Remedial Investigation / Remedial Alternatives Analysis Report

Anderson Cleaners Site
5 Hunt Road
Jamestown, New York
BCP # C907027

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REMEDIAL INVESTIGATION/REMEDIAL ALTERNATIVES ANALYSIS REPORT

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NYSDEC BCP Site Number: C907027

I Raymond L. Kampff certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Report was prepared in accordance with applicable statutes and regulations and in substantial conformance with the *DER Technical Guidance for Site Investigation and Remediation (DER-10)* and that activities were performed in general accordance with the DER-approved work plan and approved modifications.

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1.0 INTRODUCTION

Anderson Cleaners, Inc. (Anderson Cleaners) and Mr. Michael K. Lyons entered the Brownfield Cleanup Program (BCP) administered by the New York State Department of Environmental Conservation (NYSDEC) in 2005.

Anderson Cleaners is located at 5 Hunt Road, Jamestown, New York (Site) and the Site is identified as BCP site #C907027. Anderson Cleaners retained Day Environmental, Inc. (DAY) to complete a Remedial Investigation (RI) and to develop Remedial Alternatives (RA) for the Site and to prepare this RI/Remedial Alternatives Analysis (RAA) report.

1.1 Purpose of Report

The purpose of this RI/RAA report is to present the findings of the studies completed as part of this RI to provide an understanding of the environmental conditions at the Site, which were the result of past activities. In addition, this report describes an Interim Remedial Measure (IRM) conducted to remove contaminated soil from the Site, actions conducted to remove Dense Non-Aqueous Phase Liquid (DNAPL), and bioremediation pilot testing completed to evaluate this potential remedial approach. The information obtained during the above activities was used to: evaluate the nature and extent of contamination; identify potential routes of exposure and potential receptors; and evaluate the fate and transport of contaminants. Finally, this report also provides an evaluation of remedial alternatives to address the remaining environmental impacts identified at the Site.

1.2 Site Description

The Site consists of approximately 2.4 acres located partially in the City of Jamestown and partially in the Town of Ellicott, New York. The Site is designated as Section Block and Lot numbers 504-01-001, 504-01-002, and 504-01-003 (Jamestown) and 32-1-1 and 32-1-11 (Ellicott). A Project Locus Map and a Site Plan with Utility Locations are appended as Figures 1 and 2, respectively.

The Site is currently improved by an approximate 11,400-square foot one-story brick and concrete block building. The building was constructed in phases with the southwest portion constructed in the 1930s; the south-central portion constructed in 1947; and the northern and eastern portion constructed in 1985.

1.3 Site History

The first record of development on the Site was a building constructed and used as a towel factory in the 1930s. By the mid-1940s, Anderson Cleaners occupied the Site and operated a dry cleaning business. The building was expanded over the years. In 1985, a fire destroyed the northern and eastern portions (approximately 8,000 square feet) of the building. This fire did not directly impact the portion of the building that housed the dry

cleaning operations; however, the heat from the fire may have damaged containers of dry cleaning fluid resulting in spillage. It is also possible that the water used to fight the fire flushed residual solvent that may have spilled onto the concrete floor into the subsurface. Following the fire, reconstruction/remodeling operations were undertaken resulting in the current structure.

In addition to dry cleaning operations, portions of the building were historically used for the following:

- 1957-late 1960s: Anderson Specialty Manufacturing Company (office area only-manufacturing operations were completed off-site)
- 1967- early 1990s: Jamestown Armored Car Service, Inc.
- early 1990s: Lutheran Brotherhood, Lyons Den (men's clothing-retail)

Anderson personnel report that Stoddard Solvent was used for dry cleaning operations from approximately 1947 to 1978. This material was stored in two underground storage tanks (USTs), each with a capacity of approximately 1,100 gallons. These USTs were located in the area that is now underneath a portion of the building used for cold storage (refer to Figure 2). Representatives of Anderson Cleaners reported that these USTs were removed some time before the re-construction of the building in 1985. Available information indicates that the tanks were installed at the time the south-central portion of the building was constructed (i.e., 1947). The use of Stoddard Solvent was discontinued in about 1978 when tetrachloroethene (also known as perchloroethene or PCE) was first used as the primary dry cleaning agent. In 2002, new dry cleaning equipment that used a hydrocarbon-based solvent, DF 2000, was installed and all use of PCE was discontinued.

1.4 Previous Studies

DAY completed a Phase I Environmental Site Assessment (Phase I ESA) of the Site in 1999. A copy of this Phase I ESA report is included in Appendix A. The Phase I ESA identified the following recognized environmental conditions (RECs):

- possible releases from historical dry cleaning practices;
- possible leaks or spills of dry cleaning solvents, petroleum products, hazardous materials, into the former floor drain system;
- possible leakage/spillage from the former underground Stoddard Solvent tanks; and
- possible use of waste oil for dust suppression.

The Phase I ESA also identified a minor amount of suspect asbestos-containing material in one of the buildings. The owners are managing this REC, and it was not evaluated as part of the studies described herein.

Between August and November 2003, DAY completed Phase II environmental studies at the Site to evaluate the RECs. This work included advancement of 27 test borings, conversion of eight of these test borings to monitoring wells; groundwater and soil sampling/analysis; and a groundwater elevation survey. The data generated as part of this

study are summarized in the *Site Evaluation Summary Report, Anderson Cleaners, Jamestown, New York* dated March 2004 presented in Appendix A. In addition, relevant data collected during the previous Phase II environmental studies (e.g., test boring logs, analytical laboratory results, etc.) are included as part of this report.

Relevant findings regarding contaminant types and distribution described in the March 2004 report are summarized below:

- The dry cleaning solvent PCE, and associated breakdown products trichloroethene (TCE), 1, 2-dichloroethene (1,2-DCE), and vinyl chloride (VC) were detected in soil and/or groundwater at the Site. PCE was the compound detected at the highest concentrations. The highest PCE concentration in groundwater was found beneath the Courtyard Area (81,800 ug/l or parts per billion-ppb) and beneath the southeastern portion of the building (53,300 ppb). The PCE concentrations measured in the groundwater were significantly lower in the two locations tested to the east and south of the building (70 and less than 2 ppb, respectively).

- Based on the distribution of PCE in soil and groundwater, it appears that a release of dry cleaning materials in or near the Courtyard Area and/or within the building was the primary source of contamination. However, the specific source (e.g.: a leaking drain/sewer, a spill incident, etc.) was not identified.

- Evidence of apparent Stoddard Solvent impact was not detected in test borings/monitoring wells positioned near the former UST locations.

- PCB analysis was conducted on two surficial soil samples to evaluate whether waste oil that was reportedly used for dust suppression may have contained PCBs. No PCBs were found in the two surficial soil samples analyzed.

Information obtained from Mr. Bob Ehmke (Ehmke Drilling) during a telephone interview conducted in May 2004 indicates that two water supply wells were installed at the Site in the early 1950s. [Note: A summary of DAY's interview with Ehmke Drilling, and copies of Ehmke's well logs, are presented in Appendix A.] The first well, installed in 1950, was reportedly 40 feet deep (33 feet of casing and 7 feet into rock). This well was apparently abandoned and its exact location is not known, but it is suspected to have been located in an area that is currently a parking lot on the east side of the building. The second well, installed in 1954, is reportedly 100 feet deep (31 feet of casing and 69 feet an uncased hole in the rock). This well (designated for purposes of this report as BR-01) is located within the rug washing area in the northern portion of the building at the Site (refer to Figure 2 and the discussion presented in Section 2.3 of this report). Currently this well is unused and it consists of an 8-inch diameter "open hole" that contains a steel casing through the overburden and into competent bedrock. Reportedly the well was formerly used to feed the boiler system in the 1950s through the mid-1960s. Mr. Ehmke also reported that a 1,828-foot deep gas well was installed at the Site (date not provided). Anderson Cleaners personnel report that no gas well is currently in use, and that they have no knowledge of the location of this well.

1.5 Report Organization

Sections 1.0 through 7.0 of this report are associated with the site investigation portion of this project. Sections 8.0 and 9.0 are associated with evaluation of remedial alternatives intended to address environmental impacts defined during the site investigation of the Site. The contents of Section 2.0 through Section 9.0 are summarized below.

Section 2.0 - Site Activities and Investigation Methods: This section of the report describes the methods used to evaluate environmental conditions at the Site. The work conducted included: an evaluation of current and historic storm and sanitary sewers located in proximity of the Site; completion of a site-wide soil gas survey; advancement of test borings and installation of groundwater monitoring wells at on-site and off-site locations; testing of soil and groundwater samples collected from various locations both on-site and off-site; and independent (third party) assessment of the suitability of the analytical laboratory data collected. In addition, this section describes the soil removal IRM, DNAPL removal efforts and bioremediation testing conducted.

Section 3.0 - Physical Characteristics of the Site: This section describes the physical characteristics of the Site including geologic and hydrogeologic conditions, and the demography and land use of the area surrounding the Site.

Section 4.0 - Nature and Extent of Impact: The findings of the work described in Section 2.0 are described in this section of the report.

Section 5.0 - Fate and Transport: Information pertaining to the fate and transport of contaminants identified in the environment of the Site are discussed in this section of the report. The information discussed includes potential routes of migration, contaminant persistence and contaminant migration.

Section 6.0 - Exposure Assessment: This section of the report summarizes the findings of a qualitative human health exposure assessment, and a fish and wildlife Resources Impact Analysis conducted as part of this project.

Section 7.0 – Conceptual Site Model: The findings of the work conducted as part of this project were used to develop a Conceptual Site Model for the Site, which identifies the geologic setting, groundwater conditions, contaminants of concern (COC), the distribution of COC within impacted media, and suspected transport mechanisms for the COC.

Section 8.0 - Identification and Development of Alternatives: This section discusses the identification and development of remedial alternatives to address the environmental impacts present at the Site. The constituents of interest and remediation goals are also identified in this section.

Section 9.0 - Detailed Evaluation of Alternatives: A detailed evaluation of the remedial alternatives described in Section 8.0 and the recommended alternative are discussed in this section.

A list of references used to develop this report is included in Section 10.0 and Section 11.0 provides a list of acronyms used in this report.

2.0 SITE ACTIVITES AND INVESTIGATION METHODS

This section describes the investigative work conducted and the methods used as part of this project. In addition, this section describes the soil removal IRM, the DNAPL removal efforts and the bioremediation testing conducted.

Selected samples collected as part of this project were delivered under chain-of-custody control to one of three New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified analytical laboratories. These include Paradigm Environmental Services, Inc. (Paradigm)-ELAP # 10958; Columbia Analytical Services (CAS)-ELAP # 10145 and Mitkem Corporation (Mitkem)-ELAP # 11522.

2.1 Storm/Sanitary Sewer Evaluation

According to the Ellicott Building Inspector, the Site is currently serviced by municipal (Jamestown) water and sewer systems. Anderson Cleaners personnel report that the building has been connected to a municipal sanitary sewer system since the time of building construction and that septic systems were never located on the property. Site plans dated 1985 and titled "Floor Plan" (Sheet A-1) and "Location and Grading Plan" (Sheet L-1) by Habiterra Associates confirm that the Jamestown sewer system serves the Site. Sewer lines exit the eastern and southern sides of the building, joining to one sewer line that discharge to a sanitary sewer manhole in Huxley Street. The Floor Plan also indicates that the Site was previously served by the Ellicott sanitary sewer system. The plan includes instructions to cut and abandon the Town of Ellicott sanitary sewer line, and to cap the existing Town of Ellicott line at Hunt Road. The full location of the Ellicott sewer line is not shown. [Note: Available information indicates that the change from the Ellicott system to the Jamestown system occurred in 1985 during the redevelopment of the Site.] The Floor Plan also indicates that five floor drains are present in the building. One drain is in each of the two truck garages (the northern-most truck garage is now used as the rug cleaning area); these drains discharge to the Jamestown sanitary sewer system. The trench drain in the laundry area discharges to the Jamestown sanitary sewer system. The discharge point of the floor drain in the current boiler room and the floor drain in the dry cleaning area are not shown, however dye testing conducted during this study indicates that these drains discharge to the sanitary sewer system.

According to the Location and Grading Plan, a storm sewer line traverses the Site from a catch basin in Hunt Road, to a catch basin northeast of the building, to a manhole in Huxley Street. Flow in this storm sewer is generally from the northwest to the southeast.

During studies to evaluate subsurface conditions within the Courtyard Area (refer to Section 2.4), a 6-inch diameter clay tile pipe was encountered in the approximate center of the Courtyard beginning a depth of approximately 2^{+} feet below the ground surface. This 6-inch diameter clay tile pipe was found to enter the foundation wall of a passageway at the northwestern end of the Courtyard that connects the Finishing Area and the Laundry/Dry Cleaning portions of the Anderson Cleaners building. The 6-inch

clay tile pipe was determined to extend the entire length of the Courtyard to the southeast, and to exit the Courtyard where the pipe changed direction and headed generally to the east. When the 6-inch clay tile pipe was initially identified it was determined that the pipe was apparently "plugged" with tree roots approximately 35 feet east of the Courtyard. Roto Rooter was retained to clean the pipe and they used an electronic snake to clear the roots and to trace the 6-inch clay tile pipe to its discharge location. This evaluation suggested that the 6-inch clay tile pipe discharged into a storm sewer located within a parking lot on the eastern side of the building at the Site. [Note: Prior to the construction of the buried storm sewer pipe in the eastern portion of the Site, a drainage swale reportedly traversed this area. It is believed that the 6-inch clay tile pipe originally discharged directly into this drainage swale and that the storm sewer was placed in the bottom of the swale and covered. The 6-inch clay tile pipe was likely connected to the storm sewer at that time. The date of the placement of the storm sewer pipe and the backfill of the drainage swale is not specifically known.].

The roof drain on the Finishing Area building located on the west side of the Courtyard was found to connect to the 6-inch diameter clay tile pipe at a distance of 23 feet from the passage way. The roof drain for the Laundry/Dry Cleaning portion of the building located on the east side of the Courtyard was found to connect to the 6-inch diameter clay tile pipe a distance of about 30 feet from the passageway. No other connections to the 6-inch clay tile pipe were identified.

The current and known historic location of buried utilities at the Site is presented on Figure 2.

2.2 Soil Gas Survey

On March 18, 2005, DAY installed fourteen passive soil gas samplers at the Site. The location of the soil gas survey points installed is depicted on the figure included in Appendix B. These soil gas samplers were obtained from Beacon Environmental Services, Inc. (Beacon) and each sampler consists of two hydrophobic absorbent cartridges in a glass sampler vial attached to a retrieval wire. At each sample location, an approximate 1-inch diameter by 1-foot deep hole was created by driving a stake into the ground or by using a hammer drill with a 1-inch bit. The hole was 'sleeved' by inserting a ¾-inch diameter by 1-foot long piece of copper pipe. The soil gas sampler (i.e., hydrophobic absorbent cartridges, glass vial, and retrieval wire) was placed approximately 3 to 4 inches into the top of the copper pipe. The top of the pipe was then capped by inserting a 'wad' of aluminum foil and subsequently the 1-inch diameter hole was backfilled with local soil (i.e., to 'seal' the sampler into the soil matrix). The retrieval wire was left above grade for subsequent collection. On March 24, 2005, a DAY representative retrieved the samplers and sent them to Beacon for analysis under chain-of-custody control.

The results of the soil gas survey are presented in an April 5, 2005 report prepared by Beacon titled *Passive Soil-Gas Survey, 5 Hunt Road, Jamestown, NY.* A copy of the Beacon report is included in Appendix B. This report includes a discussion of field

procedures used to collect the samples (including a schematic of the passive sampler), test results and Beacon's evaluation of the test results.

2.3 Evaluation of an Existing Bedrock Well

Existing bedrock well BR-01, which is located in the current "Rug Cleaning" area of the Anderson Cleaners facility, was evaluated by DAY on March 18, 2005. A Heron Oil/Water Interface Meter Model H.O1L was used to measure the depth of the well, the depth to water, and to evaluate the presence of non-aqueous phase liquid (NAPL). Water was measured at a depth of 1.52 feet below the concrete floor and the bottom of the well was measured to be 97.4 feet (ft.) below the concrete floor. No layers of NAPL were identified within the well.

2.4 Courtyard Evaluation

DAY retained SLC Environmental Services, Inc. (SLC) to excavate a series of test pits/trenches within the Courtyard Area using a mini-excavator. This work was completed on October 6, 2004 and the locations of these test pits/trenches are depicted on Figure 3. These test pits/trenches were advanced to a maximum depth of about 8.5 ft. below ground surface (bgs). During this work, a 6-inch diameter clay tile pipe (the pipe) was encountered in the approximate center of the Courtyard at a depth of approximately 2^{+} ft. bgs (refer to Section 2.1).

During the advancement of the test pits/trenches, an approximate 4-foot long section of the pipe was observed to be damaged (i.e., apparently crushed from above) beginning about 25 ft. from the northwestern end of the Courtyard. The pipe was not observed to be damaged in the other test pits/trenches excavated within the Courtyard. The soil below the damaged section of the pipe, and extending downward into the groundwater, was stained and emitted distinct VOC type odors. Peak PID readings in excess of 2,000 ppm were measured above samples of the impacted soil encountered beneath the broken pipe. The soil above the damaged pipe and within test pits/trenches excavated where the pipe was not broken did not exhibit similar staining or apparent VOC impact. However, in some of the test pits/trenches excavated where the pipe was not broken, evidence of impact was detected in proximity of the groundwater. This impact is likely due to migration within the groundwater as opposed to leakage from the pipe.

Three soil samples collected from the test pit/trench excavations were submitted to CAS for analytical laboratory testing. Two of these samples were tested for Target Compound List (TCL) VOC using United States Environmental Protection Agency (USEPA) Contract laboratory Procedure (CLP) Method OLM04.2 and one sample was tested for full TCL/TAL parameters using 2000 ASP CLP Methods OLM04.2 and ILM04.1. The results of this testing are summarized in Table 1 and a copy of the analytical laboratory report prepared by CAS and the executed chain-of-custody documentation are included in Appendix C.

The subsurface conditions encountered in the test pits/trenches excavated on October 6, 2004 are summarized on Figure 4.

Based upon the identification of the broken pipe and the impacted soils identified with the test pits/trenches advanced on October 6, 2004, an additional evaluation of the Courtyard was conducted on February 7, 2005 to delineate the source area and to characterize the soil for disposal purposes. To accomplish this work, DAY retained SLC to advance test borings (designated TB-100 through TB-114) in the Courtyard using a track-mounted Geoprobe Systems Model 54L-T drill rig. These test borings were generally advanced to depths of 8 ft. bgs with the exception of test boring TB-115 and TB-116, which were advanced to equipment refusal at depths of 11.8 ft. and 14.2 ft. bgs, respectively. The locations of test borings TB-100 through TB-117 are depicted on Figure 3 and copies of the test boring logs are included in Appendix D. Selected samples collected from test borings TB-100 through TB-117 were submitted to Paradigm for analytical laboratory testing. These samples include:

- Composite samples collected from test borings TB-100 through TB-111, tested for VOC halocarbons via USEPA Method 8260B; and

- Discrete samples TB-112 (4-6'), TB-113 (6-8') and TB-114 (6-8'), tested for VOC halocarbons via USEPA Method 8260B.

A summary of the detected VOC measured in the above samples is included in Table 2 and a copy of the analytical laboratory report prepared by Paradigm is included in Appendix C.

2.5 Test Borings

In addition to test borings TB-100 through TB-117 described above, test borings were advanced prior to and during this RI using various installation methods. Summaries of these test borings and the installation procedures utilized are discussed below and summarized in Table 3.

Test borings TB-1 through TB-9 were advanced on August 4, 2003 by DAY using hand-operated Geoprobe Systems sampling equipment. Test borings TB-1 through TB-5 were advanced through the concrete floor of the Laundry/Dry Cleaning portion of the Anderson Cleaners building and test boring TB-5 was advanced though the concrete floor of a garage area located in the southeastern portion of the Anderson Cleaners building. Prior to advancing these test borings, a coring device was used to core through the approximate 0.4-foot thick concrete floor in these locations. Test borings TB-6 through TB-9 were advanced in the parking lot east of the Anderson Cleaners building. Test borings TB-1 through TB-9 were advanced to depths of between 2.0 ft. (TB-5, TB-8 and TB-9) and 7.0 ft. (TB-4 and TB-4) bgs. Upon completion, each test boring was backfilled with the cuttings removed and sealed with concrete or asphalt patch, as appropriate.

Test borings TB-10 through TB-21 were advanced on September 3, 2003 and test borings TB-22 through TB-27 were advanced on November 13, 2003. DAY retained SLC to advance these test borings using a track-mounted Geoprobe Systems Model 54L-T drill rig. With the exception of test borings TB-25 and TB-26, which were advanced in the garage area located in the southeastern portion of the Anderson Cleaners building, and TB-27, which was advanced within the Finishing Area portion of the Anderson Cleaners building, these test borings were advanced in exterior locations of the Site. Each of the test borings TB-10 through TB-27 were advanced to equipment refusal, which was typically encountered at depths ranging between 7.7 ft. (TB-13 and TB-21) and 14.5 ft. (TB-10) bgs. The average depth of refusal encountered in test borings TB-10 through TB-27 was 11.1 ft. bgs. [Note: Shallow equipment refusal was encountered in test boring TB-20 at 1.4 ft. bgs and in test boring TB-25 at 2.8 ft. bgs. It is believed that refusal at these locations was due to buried concrete slabs or other obstructions. As such, the refusal depths in these test borings are not included in the above assessment.] Upon completion, test borings TB-10, TB-11, TB-14, TB-16, TB-18, TB-23, TB-26 and TB-27 were converted to 1-inch diameter monitoring wells (refer to Section 2.6) and the remaining test borings were backfilled with cuttings and capped with appropriate materials depending upon their location.

On October 13, 2004, test borings PW-2 and PW-3 were advanced within the Anderson Building to refusal depths of 15.3 ft. and 15.4 ft. below the concrete floor, respectively. DAY retained SLC to advance these test borings using a track-mounted Geoprobe Systems Model 54L-T drill rig. Test boring PW-2 was advanced inside the Boiler Room located in the southern portion of the Laundry/Dry Cleaning portion of the Anderson Cleaners building (i.e., approximately 8 ft. east of the Courtyard Area). Test boring PW-3 was advanced immediately west of the entrance of the current Cold Storage portion of the Anderson Cleaners building (i.e., the location of the former Stoddard Solvent underground storage tanks). SLC used a hammer drill attachment to their drill rig to advance through the concrete floor at these test boring locations. Test borings PW-2 and PW-3 were each completed as groundwater monitoring wells (refer to Section 2.6).

DAY retained SJB Services, Inc. (SJB) to advance test borings B-1 through B-7 using a truck-mounted Model CME 550 rotary drill rig. These test borings were advanced between May 2, 2005 and May 6, 2005. Each test boring was advanced to split spoon or auger refusal, which was encountered at depths ranging from 16.4 ft. (B-7) and 23.0 ft. (B-6) bgs. [Note: Test boring B-2 encountered split spoon refusal at a depth of 19.6 ft. bgs, however a roller bit was used to advance this test boring to 21.5 ft. bgs to facilitate the installation of a groundwater monitoring well.] With the exception of test boring B-7, each test boring was completed as a groundwater monitoring well (refer to Section 2.6). Following drilling, test boring B-7 was tremie grouted with a concrete and bentonite mixture.

Test borings B-8 through B-11 were advanced on May 23, 2005 via direct-push drilling methodologies. DAY retained Marcor Remediation, Inc. (Marcor) to advance these test borings using a truck-mounted Geoprobe Systems Model 5400 with a GH40 hammer. Test boring B-8 was advanced to equipment refusal at a depth of 15.5 ft. bgs and test

borings B-9 through B-11 were terminated at a depth of 12.0 ft. bgs. Groundwater monitoring wells were installed in test borings B-10 and B-11 and test borings B-8 and B-9 (refer to Section 2.6) were backfilled with a cement/bentonite mixture.

Six test borings (designated TB-200 through TB-205) were advanced by Marcor on April 6, 2006 using vehicle mounted direct push sampling equipment. These test borings were advanced at off-site hydraulically downgradient locations to depths ranging from 6.0 ft. bgs (TB-201) to 16.5 ft. bgs (TB-200). Test borings TB-200 and TB-203 were positioned in proximity to an 8-inch water line running below Huxley Street. Test borings TB-201 and TB-202 were positioned in proximity to a 21-inch storm sewer and a three-way sanitary sewer junction box (one 4-inch line from Anderson Cleaners, two 8-inch lines from Huxley Street and Kenmore Avenue). Test boring TB-204 was positioned in proximity to a storm sewer junction box (one 21-inch storm sewer line and one 4 ft. x 3½ ft. Arch Storm culvert). Test boring TB-205 was positioned south of a catch basin for the 21-inch storm sewer in proximity to a 6-inch gas line and an 8-inch water line running below Huxley Street. Test borings TB-200, TB-202 and TB-204 were completed as 1-inch diameter flush-coupled PVC groundwater monitoring wells designated MW-200, MW-201 and MW-202, respectively.

DAY representatives advanced test boring TB-206 to a depth of 14.0 ft. bgs using hand-held Geoprobe sampling equipment on June 26, 2006 and a 1-inch monitoring well designated MW-203 was subsequently installed. This test boring/monitoring well was positioned in a hydraulically downgradient location relative to MW-201.

Six test borings (designated TB-207 through TB-211) were advanced on December 27 – December 28, 2006 by SJB using a Model CME-75 rotary drill rig. These test borings were advanced to depths ranging from 14.0 ft. bgs (TB-209 and TB-209) to 18.8 ft. bgs (TB-207) and they were completed as 4-inch diameter groundwater monitoring wells designated MW-205 through MW-209, respectively.

Test borings for bedrock monitoring wells BR-02FR, BR-02R, and BR-03R were installed between November 12, 2009 and November 18, 2009. These test borings were advanced using rotary drilling techniques and in general accordance with the procedures outlined in the DAY document titled *Bedrock Groundwater Evaluation Work Plan, Anderson Cleaners Site, 5 Hunt Road, Jamestown, New York, BCP #C907027* dated September 2009 and revised October 7, 2009.

In the test borings advanced via direct push methods, samples were collected in consecutive 2-foot to 4-foot intervals using a new acetate liner for each sample. The test borings advanced by rotary methods used 4¼-inch or 6-inch inside diameter (ID) hollow stem augers to advance the test boring between sample points. Continuous spilt spoon samples were collected ahead of the augers using a 2-inch outside diameter (OD) split spoon sampler driven by a 140-pound hammer free falling 30-inches (i.e., in general accordance with ASTM 1586).

For test borings advanced into bedrock, hollow stem augers (HSA) were used to advance the boring through the overburden and into the underlying fractured bedrock with continuous split spoon sampling. Following the advancement of the HSA to refusal, flush-joint casing was installed, and a NQ core barrel was used to advance the boring through the fractured/weathered rock and into competent rock

A DAY representative observed the soil samples recovered from the test borings and rock cores recovered from bedrock borings in order to develop a stratigraphic description of the subsurface conditions encountered and to evaluate the recovered samples for evidence of suspect contamination (e.g., staining, unusual odors, etc.). Portions of the recovered soil samples were also screened with a PID. The DAY representative recorded pertinent information for each test boring and subsequently prepared test boring logs, copies of which are included in Appendix D.

Selected soil samples collected during the advancement of the test borings were submitted for analytical laboratory testing. These samples were delivered to either Paradigm or Mitkem under chain-of-custody protocols. The soil samples selected for analytical laboratory testing, and the date these samples were collected, are listed below.

- Samples collected 8-4-2003: TB-1 (2.0-4.0'), TB-2 (2.0-4.0'), TB-2 (4.0-6.0'), TB-3 (2.0-4.0'), TB-4 (4.0-7.0'), TB-6 (2.0-4.0'), TB-7 (0.0-2.0'), TB-9 (0.0-2.0')

- Samples collected 9-3-2003: TB-10 (8.0-10.0'), TB-13 (6.0-7.7'), TB-15 (8.0-10.0'), TB-17 (8.0-10.0'), TB-21 (6.0-7.7'), Sediment Sample

- Samples collected 10-6-2004: Trench-1, Trench-2, Trench-3

- Samples collected 2-7-2005: Composite Samples TB-100 (0.0-8.0'), TB-101 (0.0-8.0'), TB-102 (0.0-8.0'), TB-103 (0.0-8.0'), TB-104 (0.0-8.0'), TB-105 (0.0-8.0'), TB-106 (0.0-8.0'), TB-107 (0.0-8.0'), TB-108 (0.0-8.0'), TB-109 (0.0-8.0'), TB-110 (0.0-8.0'), TB-111 (0.0-8.0'); Discrete Samples; TB-108 (4.0-6.0'), TB-112 (4.0-6.0'), TB-113 (6.0-8.0'), TB-114 (6.0-8.0')

- Samples collected 5-2-2005 through 5-23-2005: B-1 (9.0'), B-3 (3.0'), B-3 (9.0'), B-4 (4.0'), B-6 (5.0'), B-7 (14.0'), B-8 (4.0'), B-11 (3.0')

- Samples collected 4-6-2006: TB-202 (10.0') and TB-205 (8.0')

- Samples collected 12-28-2006: TB-209 (14.0') and TB-211 (5')

The analytical laboratory testing program for each of the above samples is presented on Table 4. The analytical laboratory results are included in Appendix C and summarized on Tables 5A and 5B.

2.6 Groundwater Evaluation

During the various studies completed at the Site, groundwater monitoring wells and well points were installed including 1-inch diameter wells installed in direct-push test borings; 2-inch and 4-inch diameter wells installed within test borings advanced by rotary drilling methods; and a 4-inch diameter low carbon steel casing sealed in-place over open holes in competent rock. The locations of the monitoring wells installed at the Site are depicted on Figure 5.

1-inch Diameter Overburden Monitoring Wells

Sixteen test borings advanced by direct-push drilling techniques were subsequently completed as 1-inch diameter polyvinyl chloride (PVC) groundwater monitoring wells. These include:

- MW-1: installed in test boring TB-10 on 9/03/2003; located within the Courtyard Area [this monitoring well was subsequently abandoned]
- MW-2: installed in test boring TB-11 on 9/03/2003; located east of the exterior wall of the Anderson Building [this monitoring well was subsequently abandoned]
- MW-3: installed in test boring TB-16 on 9/03/2003; located near the southern property line of the Site [this monitoring well was subsequently abandoned]
- MW-4: installed in test boring TB-18 on 9/03/2003; located outside the southern wall of the current Boiler Room [this monitoring well was subsequently abandoned]
- MW-5: installed in test boring TB-14 on 9/03/2003; located within the parking lot on the east side of the Site [this monitoring well was subsequently abandoned]
- MW-6: installed in test boring TB-23 on 11/13/2003; located within the Courtyard Area
- MW-7: installed in test boring TB-26 on 11/13/2003; located within the Garage Area on the southeastern side of the Anderson Building [this monitoring well was subsequently abandoned and replaced with monitoring well MW-7.1]
- MW-8: installed in test boring TB-27 on 11/13/2003; located within the Finishing Area portion of the Anderson Building
- PW-2: installed in test boring PW-2 on 10/13/2004; located within the current Boiler Room
- PW-3: installed in test boring PW-3 on 10/13/2004; located immediately west of the entrance to the Cold Storage Area (i.e., the former location of the Stoddard Tanks)
- MW-07: installed in test boring B-10 on 5/23/2005; located along the eastern wall of the Anderson Building adjacent to MW-03 [Note: MW-07 is a “shallow” overburden well relative to MW-03.]
- MW-08: installed in test boring B-11 on 5/23/2005; located near the northern property line of the Site (i.e., in proximity to Hunt Road)
- MW-200: installed in test boring TB-200 on 4/6/2006 located in proximity to an 8-inch water line running below Huxley Street

- MW-201: installed in test boring TB-202 on 4/6/2006; located in proximity to a 21-inch storm sewer and a three-way sanitary sewer junction box.
- MW-202: installed in test boring TB-204 on 4/6/2006; located in proximity to a storm sewer junction box of one 21-inch storm sewer line and one 4 ft. x 3 ½ ft Arch Storm culvert.
- MW-203: installed in test boring TB-206 on 6/26/2006 approximately 27 ft. east (hydraulically downgradient) of monitoring well MW-202

The above monitoring wells were constructed of a pre-cleaned flush-coupled 1-inch ID No. 10 slot Schedule 40 PVC well screen with attached riser casing of the same material. To the extent possible, the well installations include a washed and graded sand pack surrounding the screen, and extending about 0.5 to 2.0 feet above the screen. In some monitoring well locations, the annulus filled with in-situ material (i.e., typically sand) prior to the placement of the washed and graded sand backfill. A minimum two-foot bentonite seal was placed above the sand pack and the remaining annulus was filled with cement/bentonite grout. Monitoring wells PW-2, PW-3, MW-200, MW-201, MW-202, and MW-203 were each completed with a protective curb box. The remaining 1-inch diameter monitoring wells do not contain a protective covering and these monitoring wells typically extend approximately 2 feet above the ground surface. Monitoring well installation diagrams are included in Appendix D.

2-inch Diameter Overburden Monitoring Wells

Seven test borings advanced using rotary drilling techniques were completed as 2-inch ID groundwater monitoring wells constructed of PVC screen and riser. [Note: Monitoring well MW-02 is located within a suspected source area containing elevated concentrations of VOC. As such, this monitoring well was constructed of stainless steel.] These include:

- MW-01: installed in test boring B-1 on 5/02/2005; located near the western property line of the Site
- MW-02: installed in test boring B-2 on 5/06/2005; located within the Courtyard Area [this monitoring well was subsequently abandoned]
- MW-03: installed in test boring B-3 on 5/05/2005; located in a parking lot immediately east of the Anderson Building
- MW-04: installed in test boring B-4 on 5/04/2005; located in the eastern exterior portion of the Site
- MW-05: installed in test boring B-5 on 5/03/2005; located in the eastern exterior portion of the Site
- MW-06: installed in test boring B-6 on 5/03/2005; located in the eastern exterior portion of the Site.

Monitoring wells MW-01 and MW-03 through MW-06 consist of a pre-cleaned five-foot long, 2-inch ID, threaded, flush-jointed, No. 10 slot, schedule 40 PVC screen with attached riser casing of the same material. The well screen was installed approximately 0.5 feet above the split spoon refusal depth encountered in each test boring. The well installation

included a washed and graded sand pack surrounding the screen and typically extending between about 0.5 feet below it, and between about one and two feet above the top of the screen. A bentonite seal was placed above the sand pack and the remaining annulus was filled with cement/bentonite grout. A protective curb box was cemented in place over each well. Monitoring well MW-02 is constructed of stainless steel screen and riser. This monitoring well was installed similarly to the other 2-inch diameter monitoring wells, except that it was fitted with a 2-foot long solid piece of stainless steel below the bottom of the well screen to act as a "sump". The intent of this sump was to collect DNAPL suspected to be present in this area of the Site. Monitoring well construction diagrams are presented in Appendix D.

Four-inch Diameter Overburden Wells

Six test borings advanced using rotary drilling techniques were completed as 4-inch ID groundwater monitoring wells constructed of PVC some, of which, contain stainless steel well screens.

- MW-204: installed on 7/5/2006; this monitoring well was installed to a depth of 15.35 ft. bgs within the Courtyard Area in a location near former monitoring well MW-02 to evaluate and collect DNAPL. On July 6, 2007, a stainless steel well point connected to nominal 2-inch diameter black steel riser pipe was driven through the bottom of this 4-inch PVC well to a depth of 17.0 ft. bgs in an attempt to collect additional DNAPL.
- MW-205: installed in TB-207 on 12/27/2006; this well has a stainless steel well screen and it is located on the south central side of the building.
- MW-206: installed in TB-208 on 12/27/2006; this well has a PVC screen and riser and it is located east of the garage area of the building.
- MW-207: installed in TB-209 on 12/28/2006; this well has a stainless steel well screen and it is located southeast of the garage area of the building.
- MW-208: installed in TB-210 on 12/28/2006; this well has a PVC well screen and riser and it is located on the southeastern portion of the property near Huxley Street.
- MW-209: installed in TB-211 on 12/28/2006; this well has a PVC well screen and riser and is located on the south central side of the building.

These 4-inch wells were installed similarly to the 2-inch diameter monitoring wells. Monitoring well construction diagrams are presented in Appendix D.

Well Points

In July and August 2007, three hand-driven stainless steel well points (designated WP-1, WP-2 and WP-3) were installed within the Anderson Cleaners building. Well points WP-1 and WP-2 were installed in the garage area and well point WP-3 was installed in the boiler room (refer to Figure 5). Each well point consists of a 2-foot long screen section attached to a 1.5 inch diameter galvanized steel riser pipe that extends from the top of the well screen and approximately 1 to 2 feet above the ground surface. The well points were advanced to

the following depths below the ground surface: WP-1/15.4 feet, WP-2/16.6 feet and WP-3/15.3 feet. The well points were installed in the area of suspected DNAPL to evaluate the presence/thickness and to collect DNAPL from these locations (if encountered).

Bedrock Monitoring Wells

As described in the document prepared by DAY titled, *Summary Report Bedrock Groundwater Evaluation, Anderson Cleaners Site, 5 Hunt Road, Jamestown, New York, BCP #C907027*, dated June 2010, three monitoring wells were installed within the bedrock underlying the Site. These monitoring wells include:

- BR-02FR: installed 11/18/09 within the fractured rock this 2-inch diameter monitoring well is constructed with a stainless steel well screen attached to PVC riser pipe. This monitoring well is located southeast of the garage area of the Anderson Cleaners building.
- BR-02R: installed 11/16/09 this monitoring consists of 4-inch ID black steel pipe installed and grouted through the fractured bedrock with an open hole within the competent bedrock. This monitoring well is located adjacent to BR-02FR.
- BR-03R: installed 11/17/09 this monitoring consists of 4-inch ID black steel pipe installed and grouted through the fractured bedrock with an open hole within the competent bedrock. This monitoring well is located near the eastern property line of the Site.

Monitoring well construction diagrams are presented in Appendix D.

Monitoring Well Development

Well development was performed utilizing dedicated polyethylene bailers and dedicated cord and/or a vacuum purge system with dedicated tubing. No fluids were added to the wells during development, and well development monitoring equipment was decontaminated prior to development of each well. In general, the well development procedure was as follows:

- Obtain pre-development static water level readings.
- Calculate water/sediment volume in the well.
- Obtain groundwater sample for field analysis using bailer.
- Select development method and set up equipment depending on method used.
- Begin pumping or bailing.
- Obtain initial field water quality measurements (e.g., pH, conductance, turbidity, temperature, and PID readings). Record water quantities and rates removed.
- Collect additional field water quality measurements for varying volume intervals of water removed.
- Stop development when water quality criteria are met.
- For bedrock wells in which water was used during coring, additional groundwater was purged.

- Document development procedures, measurements, quantities, etc.

Development continued until the following criteria was achieved:

- Monitoring parameters have stabilized (i.e., pH varies less than 0.1 unit; conductance, temperature, and other parameters vary less than 10%); and
- A minimum of three well volumes have been removed, or to dryness.

Well development logs are included in Appendix E.

Sampling and Analysis of Groundwater

Groundwater samples were collected from selected monitoring wells at various times as part of this project. The well sampling logs for these groundwater sampling events are included in Appendix E.

Generally, the groundwater samples were collected using a new three-foot long disposable bailer to purge groundwater from the wells. Following purging, the wells were allowed to recharge to a minimum of 90% of its static water level and samples were collected for testing. Sample containers provided by the analytical laboratory were then filled and additional samples were collected for field water quality measurements (e.g., pH, turbidity, conductivity, etc.). Prior and during purging, a Heron Oil/Water Interface Meter Model H.O1L was used to evaluate the groundwater within the monitoring wells for the presence of NAPL.

- Monitoring wells MW-1, MW-2, MW-3 and MW-5 were sampled on September 17, 2003 and submitted to Paradigm for analytical laboratory testing.
- Monitoring wells MW-4, MW-6, MW-7 and MW-8 were initially sampled on November 23, 2003. The samples collected from these monitoring wells were submitted to Paradigm.
- Monitoring wells PW-2, PW-3, MW-1 and MW-7 were sampled on October 21, 2004 and submitted to Paradigm for testing.
- Monitoring wells MW-01, MW-03, MW-04, MW-04, MW-05, MW-06, MW-07, MW-7 and PW-3 were sampled on May 25, 2005 and submitted to Mitkem for analytical laboratory testing.
- Monitoring wells PW-3 and MW-7 were sampled on August 18, 2005 and submitted to Paradigm for testing.
- Bedrock monitoring wells BR-02FR, BR-02R and BR-03R were sampled using passive diffusion samplers (PDS), on two occasions. For the first bedrock groundwater sampling round, PDS were placed in the monitoring wells on December 23, 2009 and retrieved on January 15, 2010. During the second bedrock groundwater sampling round, PDS were placed in the monitoring wells on April 16, 2010 and were retrieved on May 5, 2010. Groundwater samples from both rounds were submitted to Paradigm for testing.

The analytical laboratory testing program for these samples is shown on Table 4. The analytical laboratory results are presented in Appendix C and the test results are summarized in Table 6A and Table 6B.

Hydraulic Conductivity Testing

On August 18, 2005 in-situ hydraulic conductivity testing was completed at wells MW-01, MW-01, MW-05 and MW-06. The tests included the placement of a "Slug" into each well and its subsequent removal coupled with monitoring of the resulting variation in water level data. The information collected was used to calculate hydraulic conductivity using the SuperSlug computer model.

The effective radius (Re) of the wells was calculated using the following calculation:

$$Re = [r^2 (1-n) + nR^2]^{1/2}, \text{ where}$$

R = radius of borehole
r = radius of screen
n = porosity of sand pack = 0.35

The hydraulic conductivities were calculated using the "Bouwer and Rice" method for unconfined aquifers. The input and output data, other mathematical formulas used, well diagrams, and hydraulic conductivity logarithmic graphs for the slug tests performed on these wells are included in Appendix F. Table 7 summarizes the calculated hydraulic conductivities.

Potentiometric Groundwater Contour Maps

Michael J. Rodgers Land Surveyor, PC (Rodgers) was retained to survey the elevations of selected monitoring wells and structures associated with nearby utilities (e.g., catch basins, manhole inverts, etc.). DAY measured the elevations of select locations using a laser level and determined elevations by referencing the benchmarks established by Rodgers. Monitoring well locations were determined by a combination of tape measurement from existing site features and the use of a Trimble GeoXT GPS.

DAY measured static water levels and evaluated the presence of NAPL in the monitoring wells at various times during this study. The groundwater data and calculated groundwater elevations for selected monitoring events are summarized on Table 8. DAY developed potentiometric groundwater contour maps using water level measurements made on May 5, 2010 (Figure 6). The Surfer 8 software program by Golden Software, Inc. was used to assist in developing the maps.

2.7 QA/QC and Data Usability Summary Report

Quality Assurance/Quality Control (QA/QC)

Specific QA/QC measures implemented during this study are outlined below:

- During sampling activities, personnel used disposable latex gloves. Between collection of each sample, personnel performing the sampling discarded used latex gloves and put on new latex gloves to ensure no cross-contamination of the samples.
- Samples retained for testing were placed in new laboratory-grade sample containers. DAY collected samples with zero headspace when VOC analysis was to be performed. Efforts were made to obtain sufficient volume (i.e., as specified by the analytical laboratory) to ensure that the laboratory had adequate samples to perform the specified analyses.
- Samples that were collected as part of the project were handled using chain-of-custody control. Chain-of-custody documentation accompanied samples from their inception to their analysis, and copies of chain-of-custody documentation are included with the laboratory reports.
- The laboratory analyzed the samples using the lowest practical quantitation limits (PQL) possible. The laboratory that performed the analyses provided internal QA/QC data that are required by NYSDEC ASP protocol, such as analyses performed on method blanks, and surrogate recovery results.
- Sample holding times and preservation protocols were adhered to during this project. Soil samples were reported on a dry-weight basis.
- In order to provide control over the collection, analysis, review, and interpretation of analytical data, the following QA/QC samples were included as part of this investigation:

    - A trip blank accompanied each shipment that contained liquid samples that were analyzed for VOC using ASP Method OLM04.2.
    - One matrix spike/matrix spike duplicate (MS/MSD) was generally analyzed for each 20 samples of each matrix (i.e., soil, groundwater, etc.) that were shipped within each seven-day period. Specific parameters that MS/MSD samples were tested for depended upon the test parameters of the samples that were analyzed.
    - Equipment rinsate field blanks were analyzed for various parameters such as: full TCL/TAL, VOC, SVOC and TAL metals using ASP Methods OLM04.2 and ILM04.1.

Data Usability Summary Report (DUSR)

Data Check, Inc. (DCI) was retained by DAY to prepare a Data Usability Summary Report (DUSR) on analytical laboratory data generated by CAS and Mitkem for this project. DCI submitted a DUSR titled *Data Usability Summary Report Anderson Cleaners – Jamestown New York.* A copy of this report is included in Appendix G.

Complete copies of the DUSR originals are available upon request. The analytical laboratory summary tables included in this report have been revised to reflect the findings of the DUSR

2.8 Soil Removal Interim Remedial Measure

DAY prepared a document titled *Interim Remedial Measure Workplan, Anderson Cleaners Site, 5 Hunt Road, Jamestown, New York, BCP #C907027* dated February 2005 (the IRM Work Plan). Following review and approval by the NYSDEC, a soil removal interim remedial measure (IRM) was initiated in the Courtyard Area of the Site in general accordance with the provisions outlined in the IRM Work Plan.

The soil removal IRM was undertaken between July 25, 2005 and July 28, 2005. Prior to commencing the work, available test data for samples collected from the proposed removal area within the Courtyard Area were submitted to Waste Technology Services, Inc. (WTS) to assess disposal requirements. Based upon the concentrations of PCE present within the soil (i.e., in excess of 60 ppm), it was determined that the material required pre-treatment prior to disposal. As such, the Michigan Disposal Waste Treatment Plant in Belleville, Michigan (Michigan Disposal) was selected as the disposal destination of the soil removed during the IRM. Prior to the IRM, DAY submitted samples of the impacted soil collected from the Courtyard Area to Michigan Disposal for pre-treatment characterization testing. Following testing and acceptance of the waste stream, WTS prepared a waste profile sheet for authorization by Anderson Cleaners. A copy of the executed waste profile documentation is included in Appendix H.

Anderson Cleaners retained Marcor to complete the soil removal IRM, and WTS to dispose of the soil removed from the Courtyard Area. Marcor mobilized to the Site on July 25, 2005 with a 2-man crew, a mini-excavator and Bobcat to initiate the soil removal. In addition, Marcor staged pea stone, topsoil, and crusher run stone in the southeast parking lot for use in backfilling the excavated area and other areas disturbed by excavation activities. Price Trucking (Price) delivered two 20-ton capacity roll-offs and staged both of them on the small asphalt road to the south of the Courtyard Area.

As identified in the IRM Work Plan, the impacted portion of the Courtyard Area was divided into three cells and Marcor began excavation in the southern-most cell. During the excavation of soil, a DAY representative performed air monitoring in accordance with the requirements outlined in the site-specific health and safety plan (HASP) presented in the RI Work Plan using a miniRae PID and particulate using a real time air monitor. In the afternoon of July 25, 2005, equipment problems were encountered that halted work for the day. As such, the initial excavation was limited to approximately 8 ft. wide, 8 ft. long, and 6.5 ft. bgs. Soil removed from the excavation was screened with the PID and unacceptable soil was placed in the roll-off; clean soil was staged onsite for use as backfill. Following the excavation, a soil sample from location 1 (south sidewall) was collected and the excavation was backfilled with a combination of pea stone (i.e., typically the bottom 3 feet) and removed clean soil and pea stone.

On Tuesday July 26, 2005, Price removed the two roll-offs that were filled on July 25, 2005 and delivered a 20-ton roll-off, staging it on the small asphalt road to the south of the Courtyard Area. The removed roll-off was transported to the Michigan Disposal facility in Belleville, Michigan. Prior to beginning work, a mechanic repaired the damaged equipment and Marcor began excavation of the northern-most cell identified in the IRM Work Plan. Excavated soil was placed into a roll-off container. The excavation was approximately 12 ft. long, 9 ft. wide, and it extended to about 8 ft. bgs. Prior to backfilling the excavation with pea stone, Marcor installed a 4-inch diameter monitoring point, consisting of a 5-foot long screen PVC well screen and connecting riser pipe. The monitoring point (designated herein as IP-1) was installed to a depth of 8 ft. bgs and it has a stickup of approximately 3 ft. above ground surface. A DAY representative performed air monitoring and soil screening with a PID during the excavation process. Following the excavation and prior to backfilling operations, soil samples were collected from locations 2 (southwest sidewall), 3 (southeast sidewall), 4 (excavation bottom-south), and 8 (north sidewall).

During the excavation work on July 26, 2005, the roof drain connection from the Laundry/Dry Cleaning portion of the Anderson Cleaners building to the 6-inch diameter clay tile pipe within the Courtyard Area was identified. The connection to the 6-inch clay tile pipe was broken and the roof drain was repaired and re-routed out of the Courtyard Area through new piping and subsequently connected to a pipe that discharged to the storm sewer located on the east side of the Site.

At the end of the workday on July 26, 2005, thunderstorms with heavy rainfall occurred at the Site causing water to accumulate in low-lying areas within the Courtyard Area. On Wednesday July 27, 2005, Marcor attempted to pump the standing water out of the Courtyard Area and into the storm sewer, but their attempts to remove the water were not sufficient to allow additional excavation. Price delivered one 20-ton roll-off and staged it on the small asphalt road to the south of the Courtyard Area.

On Thursday July 28, 2005, Marcor placed soil generated as study derived waste into a roll-off. In addition, soil was excavated from an area approximately 8 ft. wide, 4 ft. long, and 6.5 ft. bgs (i.e., in the area of the central cell identified in the IRM Work Plan). Excavated soil was placed into a roll-off container. A DAY representative performed air monitoring and soil screening using a PID during the excavation process. Upon completion of the excavation, Marcor backfilled the excavation with a combination of pea stone and “clean” backfill materials removed during the excavation process. Price removed one 20-ton roll-off and transported it to the Michigan Disposal facility in Belleville, Michigan. Following the excavation and prior to backfill excavation, soil samples were collected from locations 5 (northwest sidewall), 6 (excavation bottom-north), and 7 (northeast sidewall).

On Friday July 29, 2005, Marcor finished grading the Site and placed topsoil where needed to fill in low spots and tire ruts caused by excavation activities. Price removed one 20-ton roll-off and transported it to the Michigan Disposal facility in Belleville, Michigan. A DAY representative was not present at the Site on July 29, 2005.

Disposal documentation for the soil removed from the Courtyard Area and study derived waste is included in Appendix H. The results of the testing completed following the soil removal IRM (i.e., sample locations 1 through 7) are summarized in Table 9.

2.9 Bioremediation Pilot Tests

On January 5, 2007, a bioremediation pilot test was initiated in a location downgradient of the identified source area at the Site. This test consisted of injecting a solution of CL-Out microbes (i.e., *Pseudomonas*, a patented strain of aerobic microbes manufactured by CL Solutions, Inc.) and dextrose (i.e., a nutrient source) into two locations (i.e., MW-206 and MW-208). [Note: CL-Out microbes are delivered freeze-dried and each unit has to be hydrated in 55-gallons of potable water 24 hours prior to inoculation. Immediately before the inoculation, 50 pounds of powdered dextrose is dissolved into the hydrated microbe solution. As such, each unit of CL-Out microbe solution consists of 55-gallons.] One "unit" of CL-Out solution was injected into MW-206 and one "unit" was injected into MW-208 during the January 5, 2007 inoculation. On January 6, 2007, a solution of ORC Advanced (i.e., created by dissolving 25 pounds of ORC Advanced in 55 gallons of potable water) was injected into MW-206 and MW-208 (i.e., approximately 25 gallons in each location) to increase dissolved oxygen levels and support microbe growth.

Prior to the January 5, 2007 inoculation, background samples were collected from monitoring wells MW-04, MW-06, MW-07 and MW-201 on January 4, 2007. These samples were tested for field indicator parameters (i.e., dissolved oxygen, ORP and pH) and submitted to an analytical laboratory for testing of halogenated VOC. To evaluate the effectiveness of the inoculation, samples were collected on February 13, 2007 and March 15, 2007 from monitoring wells MW-04, MW-06, MW-07 and MW-201 and tested for microbe populations and/or halogenated VOC. The microbe test results for the sample collected on February 13, 2007 indicated the presence of *Pseudomonas* microbe populations in each monitoring well, with the exception of MW-04. Although the microbe populations were lower than the target level of 1×10^{6} CFU/ml, the presence of the *Pseudomonas* microbes in these wells suggests that the microbes injected in MW-206 and MW-208 propagated and migrated to the downgradient wells in sufficient populations to promote biodegradation. The VOC test results measured as part of the bioremediation pilot test are included on Figure 7 and summarized in the following table.

Constituent	Sample Locations and Sample Dates											
	MW-04			MW-06			MW-07			MW-201		
	1/4/2007	2/13/2007	3/15/2007	1/4/2007	2/13/2007	3/15/2007	1/4/2007	2/13/2007	3/15/2007	1/4/2007	2/13/2007	3/15/2007
PCE	1,820	1,120	904	369	256	246	5,310	6,440	4,240	14,200	2,610	423
TCE	U (200)	U (200)	U (100)	U (4.0)	U (5.0)	U (5.0)	U (200)	U (200)	U (200)	U (200)	17,500	937
trans 1,2-DCE	U (200)	U (200)	U (100)	U (4.0)	U (5.0)	U (5.0)	U (200)	U (200)	U (200)	U (200)	1,290	94.4
cis 1,2-DCE	U (200)	U (200)	U (100)	U (4.0)	U (5.0)	U (5.0)	U (200)	U (200)	U (200)	U (200)	7,860	U (20)
VC	U (200)	U (200)	U (100)	U (4.0)	U (5.0)	U (5.0)	U (200)	U (200)	U (200)	U (200)	U (200)	U (20)
Total VOC	1,820	1,120	904	369	256	246	5,310	6,440	4,240	14,200	29,260	1,454

Notes:

All samples tested for halogenated VOC by USEPA Method 8260B and concentrations are shown in ug/L or parts per billion.

U (200) = Constituent not detected at the concentration shown in parenthesis.

PCE = tetrachloroethene

TCE = trichloroethene

trans 1,2-DCE = trans 1,2-dichloroethene

cis 1,2-DCE = cis 1,2-dichloroethene

VC = vinyl chloride

As shown in the above table, total VOC concentrations decreased in each monitoring well sample from the pre-test (background) measurements made on January 4, 2007 to the post-test measurements made on March 15, 2007. Based on this finding, the injection of CL-Out microbes is considered a viable option for remediation of groundwater impacts at the Site. However, while it appears that the injection of *Pseudomonas* (i.e., aerobic microbes) does reduce PCE concentrations it does not appear to be effective in the reduction of daughter compounds such as vinyl chloride. This is likely attributable to the difficulty in maintaining sufficient DO levels to promote the microbe populations. Therefore alternative treatment methods, such as the injection of anaerobic microbes (e.g., *Dehalococcoides* bacteria) and/or electron donors should be evaluated to address the residual impacts. It is anticipated that this will initially require bioassay testing followed by a pilot test to evaluate suitable microbes/electron donors and loadings. If deemed effective, full-scale treatment could be initiated.

2.10 DNAPL Removal

During the period of investigation of the Site, DNAPL has been encountered and removed from select monitoring wells installed at the Site. Prior to May 2008, the only locations at the Site where DNAPL was identified were monitoring wells MW-204 and MW-207 and well point WP-2 (refer to Figure 5 for locations). However, during groundwater level monitoring conducted on May 21, 2008, a significant amount of DNAPL was detected in monitoring well PW-3. This 1-inch diameter monitoring well is approximately 15 feet deep and it was installed on October 13, 2004. PW-3 is located inside the Anderson Cleaners facility (refer to Figure 5) and prior to May 21, 2008 DNAPL was not detected in this monitoring well. DNAPL was removed from the above locations on a routine basis using a portable vacuum purge system that consists of dedicated polyethylene tubing connected to a 5-gallon vacuum rated collection Carboy with a Rotary Vane Sampling Pump manufactured by Allegro Industries to create a vacuum to allow removal of DNAPL from the monitoring wells.

DNAPL Removal Logs for PW-3, MW-204, MW-207 and WP-3 are included in Appendix I of this document. The DNAPL removed was stored in a 55-gallon drum located in a waste accumulation area constructed within the Courtyard Area of the Site. During the removal of DNAPL, groundwater and associated sediments are also removed. Grossly contaminated groundwater (i.e., based upon physical evidence of impact and/or elevated PID readings) and soil are placed in a waste accumulation drum (i.e., separate from the DNAPL collection drum), which is also located in the Courtyard Area. Water that did not exhibit obvious environmental impact was placed in a 55-gallon drum filled with activated granular carbon. This drum is fitted with a bottom discharge valve and this valve is opened as needed to allow the treated water to discharge from the drum. Samples of the discharged water are routinely screened with a PID for evidence of impact to determine when the activated granular carbon needs to be replaced. The DNAPL collection drum was transported off-site for disposal when filled (refer to Section 2.11).

2.11 Study Derived Waste

Soil cuttings generated during the investigative work were placed in NYSDOT-approved 55-gallon drums that were labeled, staged on-site. The contents of these drums were placed in roll-off containers placed at the Site during the soil removal IRM. The study-derived waste was disposed of in conjunction with the waste generated during the soil removal IRM (refer to Appendix H). DNAPL removed from monitoring wells was placed within 55-gallon drums and when a sufficient quantity was generated Solvents and Petroleum Service, Inc removed and disposed a drum of the DNAPL collected on July 25, 2008.

3.0 PHYSICAL CHARACTERISTICS OF THE SITE

This section describes the physical characteristics of the Site including geologic and hydrogeologic conditions, and the demography and land use of the area surrounding the Site.

Stratigraphic cross sections developed based on the test borings advanced to date are presented as Figures 8 (a cross section that extends generally from west to east between monitoring well MW-1 and BR-03R; designated as Cross Section A-A'), and Figure 9 (a cross section that extends generally from north to south between monitoring well MW-08 and MW-06; designated as Cross Section B-B'). The locations/orientations of Cross Section A-A' and Cross Section B-B' are shown on the Site Plan included as Figure 5.

3.1 Topography

The Site is located at latitude (north) 42° 5' 34.1" and longitude (west) 79° 15' 59.8" and the ground surface elevation at the Site is approximately 1,427 feet above sea level (USGS Datum). The ground surface at the Site and the immediately surrounding area generally slopes down gently to the east. Approximately 1-mile south of the Site the ground surface is approximately elevation 1,546 feet above sea level and approximately 1-mile north of the Site the ground surface is approximately elevation 1,316 feet above sea level. The ground surface about 1-mile to the east of the Site is approximately 1,329 feet above sea level and the ground surface approximately 1-mile west of the Site is approximately 1,415 feet above sea level.

There are no surface water bodies on or adjoining the Site. The Chadokoin River (i.e., the nearest surface water body) is located approximately 3,800 feet northeast of the Site and an unnamed tributary of the Chadokoin River is located about 3,000 feet northwest of the Site. No state or federally listed wetlands are located within ½ mile of the Site; however, a small area of standing water containing "wetland land-type" growth is located in the southern-most portion of the Site. The Site is not located in the 100-year or 500-year flood zone as designated by the Federal Emergency Management Agency (FEMA).

3.2 Bedrock

According to a map entitled *New York State Geological Highway Map*, W.B Rogers et. al., 1990, bedrock underlying the overburden deposits present at the Site is mixed shale and fine sandstone/siltstone of the Conewango Group an Upper Devonian series sedimentary rock of the Paleozoic Era.

During this study, a weathered shale layer (i.e., attributable to glacial scour and groundwater movement) extending from the base of the glacial till until competent bedrock is encountered was encountered in some of the test borings. In the test boring to install BR-02FR, an approximate 5.6 ft. thick zone of fractured rock was encountered below the till layer. An approximate 5.8 ft. thick layer of fractured rock was encountered below the till layer in the test boring for BR-02R. The rock quality improves with depth,

and "competent bedrock" was encountered in the test boring for BR-02FR at a depth of about 28.4 ft. bgs, or elevation 69.55 ft. (i.e., measured to an arbitrary datum established for the Site). In the test boring advanced for monitoring well BR-02R, competent bedrock was encountered at a depth of about 28.0 ft. bgs, or elevation 69.9 ft. Based upon an evaluation of the test borings advanced during this study and assuming refusal depths are attributable to bedrock, the top or rock slopes downward to the south and southeast with apparent convergence in the vicinity of monitoring well BR-02FR.

3.3 Overburden

The United States Department of Agriculture's Soil Conservation Service (SCS) soil survey for Chautauqua County New York identifies the soil at the Site as "Urban Land" with a variable surface texture. This soil does not meet the requirements for a hydric soil and the depth to bedrock is in excess of 10 inches.

According to USGS Bulletin 58, *Ground-Water Resources of the Jamestown Area, New York* dated 1966 by Leslie J. Crain the Site is in an area "in which the surficial deposits were formed as glacial moraines. Sand, gravel, lake-laid silt and clay, and till are all present as irregular masses and layers. Sand and gravel are generally of minor importance." Additionally, the Site is in an area in which "water-bearing deposits consist of sand or interbedded layers of sand and of gravel overlain by silt and clay till (mixed deposits). The water bearing layers are generally only a few feet thick. Some of the layers are highly permeable. Water is confined under artesian conditions."

Based upon the test borings advanced at the Site during this study that penetrated the overburden, the Site is underlain by deposits that extend to depths of about 16.4 ft. bgs (B-7) to 22.8 ft. bgs (B-6).

In the test borings advanced during this study, the ground surface is covered by either an approximate 0.5-foot layer of topsoil and roots in lawn areas; a 0.1-foot thick layer of asphalt and up to 1.5 feet of sub-base material within paved areas or an approximate 0.4^{+} foot thick layer of concrete in interior locations. Generally, fill material typically comprised of silty sand and gravel often intermixed with pieces of bricks, concrete and wood was encountered below the surface coverings. These fill materials extend to depths of about 2^{+} ft. to 8 ft. bgs. In the Courtyard Area, the fill extended to a depth of about 2^{+} ft. bgs (i.e., to a depth below the invert of the 6-inch clay tile pipe that extends the length of the Courtyard

In some of the test borings, an approximate 0.5-foot layer of peat was encountered below the fill material. Glacial deposits consisting of interbedded mixtures of sandy silt and clayey silt often containing lesser amounts of sand, gravel and occasional cobble size material were encountered below the fill material. In some test borings, seams of sub-angular to rounded gravel and sand (i.e., likely deposited from glacial melt water) were encountered. The indigenous soil encountered during this study is typical of the ground moraine deposits common to the area surrounding the Site. The ground moraine deposits appear to overlay the remnants of a glacial till that was deposited as the glacier advanced

through the area. The glacial till layer extends to depths of about 16 ft. to 23 ft. bgs and in some locations it is winnowed with seams of permeable sand and gravel evident.

3.4 Hydrogeology

Monitoring wells installed with their screened section terminating at or near the top of the glacial till typically encounter groundwater at depths ranging from about 1 to 4 ft. bgs. Monitoring wells installed within fractured bedrock exhibit flowing artesian conditions with groundwater levels greater than 2 ft. above the ground surface (ags). The groundwater levels measured in monitoring wells installed within competent bedrock (i.e., BR-02R and BR-03R) also exhibit flowing artesian conditions, but the hydraulic head is less than that observed in monitoring wells screened within the fractured bedrock.

Monitoring well MW-207 is installed with its screened section extending upward from the top of the glacial till, BR-02FR is installed within the fractured bedrock zone, and BR-02R is installed as an open hole within the competent bedrock. Monitoring well MW-207 is located about 17 ft. west of monitoring well BR-02R and monitoring well BR-02FR is located less than 5 ft. south of monitoring well BR-02R. The vertical hydraulic gradients calculated based on groundwater level measurements made in these monitoring wells on May 5, 2010 are summarized below.

- BR-02FR to MW-207 = + 0.4 ft./ft. (upward hydraulic gradient)
- BR-02R to MW-207 = +0.2 ft./ft. (upward hydraulic gradient)
- BR-02FR to BR-02R = -0.06 ft./ft. (downward hydraulic gradient)

Groundwater contour maps developed using data collected on May 5, 2010 for the overburden zone (i.e., based on groundwater elevations measured in monitoring wells screened within or above the glacial till) and the fractured bedrock zone are included on Figure 6. As shown, groundwater in both zones generally flows to the east across the Site with a southeasterly component evident in the southern portion of the Site. During the May 5, 2010 monitoring event, an average horizontal gradient of 0.03 ft./ft. was calculated in the overburden zone monitoring wells, and an average hydraulic gradient of 0.012 ft./ft. was calculated for the fractured bedrock zone monitoring wells. An average hydraulic conductivity of 6.83×10^{-3} cm/sec was measured in monitoring wells MW-01 through MW-06 (i.e., monitoring wells that penetrate the fractured rock zone). The hydraulic conductivity was not tested in monitoring wells installed within the overburden zone, but based on the nature of the overburden material, a hydraulic conductivity of 1.0×10^{-4} cm/sec is estimated. Using the average values for horizontal gradient and hydraulic conductivity and an assumed porosity value of 0.35 to 0.50 for each zone, a horizontal groundwater velocity within the overburden zone was calculated to range between about 0.017 ft./day and 0.024 ft./day, and a horizontal groundwater velocity of 0.46 ft./day to 0.66 ft./day was calculated for the fractured rock zone.

3.5 Demography, Land Use and Water Use

The approximate 2.4-acre Site is located in Chautauqua County, New York and it is partially in the City of Jamestown and partially in the Town of Ellicott, New York. According the 2000 census, the population of Chautauqua County, New York was 139,750; the population of Jamestown, New York was 31,730 and the population of the Town of Ellicott, New York was 9,280. The Site is designated as Section Block and Lot numbers 504-01-001, 504-01-002, and 504-01-003 (Jamestown) and 32-1-1 and 32-1-11 (Ellicott). The Site is currently improved with an approximate 11,400-square foot one-story brick and concrete block building used as Laundry and dry cleaning facility and other smaller commercial-type operations.

The Site is in a mixed residential and commercial area. Adjoining properties are described below:

North: Hunt Road, with greenhouses and residential beyond.
East: Huxley Road, with a Seventh Day Adventist church beyond.
South: Electrical substation, with residential beyond.
West: Residential.

DAY found no record of groundwater use at the Site or in its vicinity. The Site buildings, and the Site vicinity, are served by the municipal (Jamestown) water supply. The on-site wells installed in the 1950s have not been used since the mid-1960s. According to Mr. Paul Snyder of the Chautauqua County Health Department, Division of Environmental Health, there are no documented public water supply sources within the vicinity of the Site. The closest water supply sources are two well fields in Ross Mills and Poland Center, which are the sources of the Jamestown water supply. The Ross Mills well field is approximately 5 miles north/northeast of the Site, and the Poland Center well field is approximately 8 miles east/northeast of the Site. DAY found no record of private water wells at adjoining properties in a review of municipal records. However, municipal officials indicated that the existence of private wells would not necessarily be recorded. According to the USGS National Water Inventory System, three wells are located within a 1-mile radius of the Site. These include: USGS0751473 (located ½ to 1 mile north-northeast), USGS0751468 (located ½ to 1 mile northeast) and USGS0751559 (located ½ to 1 mile north). The function of these wells is not known and based upon groundwater flow data collected during this study, these wells are located hydraulically cross gradient of the Site.

4.0 NATURE AND EXTENT OF IMPACT

This section of the report presents findings of the investigative work described in Section 2.0 relative to the nature and impact to the environmental media at the Site. CAS and Mitkem reported the analytical laboratory test results in NYSDEC ASP Category B deliverable reports. The analytical laboratory test results presented by Paradigm were reported as a standard data package. Copies of reports prepared by the analytical laboratory and executed chain-of-custody documentation for this data are included in Appendix C and detected compounds are summarized on various tables referenced previously. Where applicable, the tables include a comparison to the following standards, criteria and guidance (SCG):

- Soil Cleanup Objectives (SCO) for Unrestricted Use and Restricted Commercial Use, as referenced in NYSDEC regulations at 6 NYCRR Subpart 375 titled *Remedial Program Soil Cleanup Objectives*, effective December 14, 2006.
- Groundwater standards and guidance values as referenced in the NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 document titled "*Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*" (TOGS 1.1.1) dated June 1998 (as amended by an April 2000 addendum).

4.1 Contaminants of Concern

The contaminants of concern (COC) in soil and groundwater were determined by initially reviewing the analytical laboratory data to identify the compounds detected at concentrations that exceed SCG, the range of concentrations measured and the frequency of detection. Based upon this review and the types of chemicals used at the Site in the past, the following COC were identified.

- tetrachloroethene (PCE)
- trichloroethene (TCE)
- 1,1-dichloroethene (1,1-DCE)
- trans-1, 2-dichloroethene (trans-1, 2-DCE)
- cis-1, 2-dichloroethene (cis-1,2-DCE)
- vinyl chloride (VC)

- DNAPL (refer to Section 4.2)

[Note: Several metals were measured at concentrations exceeding SCG, however the highest concentrations were measured in groundwater samples collected from the upgradient background location. As such, metals are not identified as COC for this Site.].

4.2 DNAPL

DNAPL provides a constant source of dissolved phase PCE and other COC in the groundwater. During this study, DNAPL has been detected at the surface of, and within, the glacial till in several test borings/monitoring wells in the central portion of the Site. It is

presumed that the DNAPL entered the subsurface from a near surface location (e.g., potentially through a broken pipe in the Courtyard Area that was remediated as part of the soil removal IRM, and/or other localized discharges that may have occurred during the 1985 fire at the Site), and due to its density, the DNAPL migrated downward and collected on and within the less permeable glacial till. It also appears that DNAPL migrates downslope along the surface of the glacial till. To date, more than 100 gallons of DNAPL has been removed from select monitoring wells at the Site. The presumed extent of DNAPL impact remaining at the Site is depicted on Figure 10.

4.3 Soil and Vadose Zone

This section provides a discussion of contaminant impacts measured within the soil and vadose zone at the Site and the extent of impact determined based upon the available data.

4.3.1 Soil Gas

The passive soil gas study (Appendix B) was conducted in exterior locations of the Site. The highest soil gas PCE concentration was measured in a location southeast of the Anderson Cleaners building. This area of the Site is also known to be in an area where the groundwater is impacted and the elevated soil gas reading is likely due to volatilization from the groundwater. The soil gas points positioned in the parking lot north of the Anderson Cleaners building and in proximity to Hunt Road contained PCE, but at lower concentrations than those detected in locations southeast of the building. Testing of a soil sample collected from a test boring positioned near the soil gas point north of the building exhibiting the highest PCE concentration did not contain VOC at concentrations that exceed SCG. Based upon the soil testing results and the apparent absence of impacted groundwater to the north of the Anderson Cleaners building, the soil gas readings in this area appear to be insignificant and additional study does not appear to be warranted.

4.3.2 Background Soil Test Results

An upgradient background soil sample, designated B-1 (9.0'), was tested for the following parameters: TCL VOC, TCL S-VOC, TAL metals plus cyanide, pesticides and PCBs. The constituents detected in this sample are summarized on Table 5A and Table 5B analytical laboratory results are presented in Appendix C. The test results for the background soil sample are summarized as follows:

<u>VOC</u>

One VOC (xylene) was detected at an estimated concentration of 2 ug/kg or ppb in the background soil sample. The remaining VOC were not detected above the reported analytical laboratory detection limit of 11 ug/kg. The xylene concentration measured in the background soil sample does not exceed SCG.

S-VOC

Two S-VOC were detected above the analytical laboratory detection limits in the background soil sample. These include: di-n-butylphthalate (estimated concentration of 38 ug/kg or ppb) and bis (2-ethylhexyl) phthalate (estimated concentration of 99 ug/kg or ppb). S-VOC tentatively identified compounds (TICs) were also detected in the background soil sample at a total estimated concentration of 2,480 ug/kg. The concentrations of the S-VOC detected in the background sample do not exceed SCG.

TAL Metals and Cyanide

TAL metals detected in the background soil sample include: aluminum, arsenic, barium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, potassium, vanadium, zinc and potentially beryllium, cadmium and sodium. The concentrations of the detected metals do not exceed SCG.

Cyanide was not detected above the reported analytical reporting limits in the background soil sample.

PCBs/Pesticides

The background soil sample tested did not contain PCBs. However, this sample contained the following pesticides: gamma-BHC (lindane), heptachlor, aldrin, dieldrin, endrin and 4, 4'-DDT. The concentrations measured in this sample did not exceed SCG.

4.3.3 Subsurface Soil Test Results

Subsurface soil samples were collected from test pit/trench and test boring locations and select samples were submitted for analytical laboratory testing. Subsurface soil samples were tested for one or more of the following parameters: (TCL, Halogens & Aromatics, and Halocarbons) VOC, TCL S-VOC, TAL metals plus cyanide, pesticides, PCBs. Copies of the analytical laboratory summary reports are included in Appendix C. The detected concentrations and comparison to corresponding SCG are summarized on Table 2, Table 6a and Table 6b. [Note: The soil in the Courtyard Area was disturbed during the excavation of the test pits/trenches and by the soil removal IRM. As such, the analytical laboratory results for the samples collected from test borings TB-100 through TB-114 and the data collected following the soil removal IRM may not be representative of current subsurface conditions. Therefore the data for these sample locations is not included in the discussion that follows.]

The test results for subsurface soil samples are summarized as follows:

VOC

VOC detected in one or more soil samples included: PCE, TCE, VC, cis-1,2-DCE, trans-1,2-DCE, toluene, xylene, methylcyclohexane, ethylbenzene, isopropylbenzene, acetone,

chlorobenzene, methylene chloride, 2-butanone, 1,1-dichloroethene, carbon disulfide, 1,1-dichloroethane, cyclohexane and 1,1,1-TCA. TICs, were detected in many of the subsurface soil samples tested (refer to Appendix C). The concentrations of specific VOC were compared to SCG. As shown on Table 5A, SCG for PCE, TCE, VC, trans-1,2-DCE, cis-1,2-DCE, and xylene were exceeded in some of the subsurface soil samples tested.

Two predominant areas of the Site exhibited concentrations of VOC in the soil that exceeded SCG. These include the Courtyard Area (particularly in the vicinity of the location where the broken 6-inch diameter clay tile pipe was identified) and on the east side of the Garage Area (i.e., in proximity to test boring B-3). The areal and vertical extent of impacted soil in proximity of test boring B-3 was not delineated during this study. In addition, although limited soil samples were tested VOC concentrations exceeding SCG are likely beneath the concrete floor in portions of the Anderson Cleaners building east of the Court Yard Area. [Note: Although some soil samples collected from the saturated zone also contained concentrations of VOC that exceeded SCG, it is likely that these concentrations are representative of impacted groundwater. The impacted soil samples in the Courtyard Area and in test boring B-3 were collected at relatively shallow depths (i.e., typically beginning at 2^{+} in the Courtyard Area and at a depth of 3 feet below the ground surface in test boring B-3).]

S-VOC

The S-VOC di-n-butylphthalate (estimated concentrations of 47 ug/kg and 55 ug/kg) and bis (2-ethylhexyl) phthalate (estimated concentrations of 74 ug/kg and 63 ug/kg) were detected in two of the three soil samples from the Site that were tested (i.e., in addition to the background soil sample). These samples also had total TIC concentrations of 2,480 ug/kg and 5,677 ug/kg, respectively. The detected S-VOC are commonly artifacts of sampling and analytical laboratory testing, and it is not suspected that these constituents are associated with the Site.

TAL Metals and Cyanide

TAL metals detected in the subsurface soil samples include: aluminum, arsenic, barium, calcium, cadmium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, sodium, thallium, vanadium, zinc and potentially beryllium, mercury and potassium. With the exception of the arsenic concentration of 13.8 ppm that slightly exceeded the Unrestricted Use SCO of 13 ppm, the metal concentrations detected did not exceed SCG.

PCBs/Pesticides

PCBs were not detected in any of the subsurface soil samples tested. The pesticides 4, 4'-DDT, 4,4'-DDE and 4,4'-DDD were detected in subsurface soil samples, but the concentrations were all below the SCG.

4.4 Groundwater Quality

The constituents detected in the groundwater samples tested during this study and the distribution of these constituents within the groundwater is summarized in the following sections.

Groundwater samples were collected from monitoring wells installed at various times during this study. Generally, monitoring wells installed within test borings advanced using direct-push sampling techniques (i.e., 1-inch diameter monitoring wells) extend to depths of about 10 ft. to 15 ft. bgs (i.e., designated herein as "shallow" monitoring wells). Many of the monitoring wells installed in test borings advanced via rotary drilling techniques (i.e., 2-inch and 4-inch diameter monitoring wells) were generally placed at the bottom of the overburden encountered at the Site and likely with a fractured/weathered rock zone. However, some 2-inch diameter monitoring wells were terminated within a glacial till layer that overlies the bedrock (e.g., MW- 206, MW-207, MW-208 and MW-209). In addition, two monitoring wells (designated MW-BR-02R and BR-03R) were advanced through the fractured/weathered rock zone; a steel casing was grouted in-place and the wells were advanced into the competent rock below. The constituents detected in groundwater samples collected from these monitoring wells are discussed below.

VOC

The VOC detected above SCG in the groundwater samples from the monitoring wells tested during this study include: PCE, TCE, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, VC, 1,1,1-TCA, 1,1-DCA, toluene, chlorobenzene, 1,1,2-TCA, ethylbenzene, and xylene. With the exception of xylene, toluene, chlorobenzene, 1,1-DCA 1,1,1-TCA, 1,1,2-TCA and ethylbenzene that were detected less frequently and/or at typically lower concentrations, the above VOC are identified as COC for the Site. The COC detected in groundwater samples collected and tested during this study are summarized on Table 6A. The distribution of VOC measured in the groundwater samples tested during this study is presented on Figure 7 and Figure 7A. A contour map prepared using total VOC concentrations for samples collected in 2008 and 2010 (i.e., the most-recent test results) for select overburden and top of rock monitoring wells is presented as Figure 7B. The presumed location of the current extent of DNAPL remaining at the Site is also shown on this figure.

As shown on Figure 7, Figure 7A, and Figure7B, the highest concentrations of VOC were detected in groundwater samples collected from monitoring wells located in the Courtyard Area and locations to the east/southeast (e.g., PW-2, PW-3, MW-7.1, MW-207 and BR-02FR). The VOC concentrations decrease as groundwater flow continues hydraulically downgradient to the east/southeast and some downgradient monitoring wells contain VOC concentrations that exceed SCG. Only one off-site monitoring well MW-201, which is positioned hydraulically downgradient of the Site, contained VOC concentrations that exceeded SCG. However, the extent of the VOC impact in MW-201 appears limited since monitoring wells MW-202 and MW-203, which are located

hydraulically downgradient of MW-201 do not contain concentrations of VOC that exceed SCG.

Based upon the results of this study, the groundwater within the fractured/weathered bedrock zone underlying the Site contains the highest concentrations of VOC. The results of the *Summary Report Bedrock Groundwater Evaluation, Anderson Cleaners Site, 5 Hunt Road, Jamestown, New York, BCP #C907027*, dated June 2010 indicate that the VOC concentrations detected in the fractured/weathered bedrock zone decrease with depth. As evidenced by the testing of samples collected on the same date from BR-02FR and BR-02R, which are positioned adjacent to each other, the total VOC concentrations in BR-02R were approximately an order of magnitude less than those measured in the samples collected from BR-02FR.

S-VOC

With the exception of TICs (i.e., total concentration of 860 ug/l) measured in the groundwater sample from MW-07, no S-VOC were detected in the four groundwater samples tested during this study.

Groundwater samples from monitoring wells MW-2, MW-5, PW-3 and MW-07 (i.e., positioned in proximity to the former Stoddard Solvent tanks) were tested at various times for total petroleum hydrocarbons (TPH). With the exception of a concentration of 860 ug/l in a sample from MW-07 (i.e., reported as kerosene or jet fuel) and a concentration of 1,100 ug/l in a sample from PW-3 (i.e., reportedly not a petroleum-related compound), TPH was "not detected" in any of the groundwater samples tested. These TPH results, coupled with the apparent absence of widespread xylene impact in soil and groundwater samples in the area of the former Stoddard Solvent tanks, suggests that leakage from these tanks is not an environmental concern at the Site. [Note: Xylene was detected at a concentration above the SCG in a soil sample collected from a depth of 4.0 feet in test boring B-4 (i.e., 1,800 ug/kg). Test boring B-4 is located approximately 750 feet east of the former Stoddard Tanks and it is not suspected that the xylene detected in this sample is related to the former Stoddard Tanks.]

TAL Metals and Cyanide

At least one of the samples collected from the monitoring wells tested contained detectable concentrations of each of the TAL metals except for mercury, selenium, and silver (refer to Table 6B). The concentrations of: antimony, arsenic, barium, chromium, iron, lead, magnesium, manganese, thallium, sodium and nickel in upgradient well MW-01; iron and sodium in downgradient well MW-06 and iron, sodium, magnesium and manganese in downgradient MW-07 exceeded SCG. However, in each case the concentrations measured in upgradient monitoring well MW-01 were higher than those detected in the downgradient monitoring wells. As such, metal impact to the groundwater is not judged to be attributable to the Site.

PCBs/Pesticides

The pesticides 4, 4'-DDE (0.065 ug/l) and 4, 4'-DDD (0.27 ug/l) were measured in the sample from monitoring well MW-07 (refer to Table 6B). However, the measured concentrations do not exceed SCG. The other monitoring wells did not contain detectable concentrations of pesticides, and PCBs were not detected in any of the groundwater samples.

5.0 FATE AND TRANSPORT

This section includes an evaluation of contaminant fate and transport for the Site including identifying potential routes of migration, contaminant persistence and identified contaminant migration patterns.

5.1 Potential Routes of Migration

Release and transport mechanisms for the COC include:

- soil leaching and impacting groundwater through precipitation or contact with groundwater;
- migrating in a dissolved groundwater plume;
- migrating as vapor in the unsaturated zone;
- volatilization to air if impacted media are disturbed;
- volatilization from groundwater or soil to indoor air; and
- transportation on construction equipment/workers if impacted media is disturbed.

5.2 Contaminant Persistence

The COC detected during this study are generally associated with dry cleaning products that were previously used at the Site (i.e., primarily chlorinated VOC consisting of PCE and associated breakdown products). Half-lives for the constituents commonly detected in soil and/or groundwater were referenced in the "Handbook of Environmental Degradation Rates", P.H. Howard. et. al, 1991. This reference suggests these VOC in an aqueous setting will biodegrade faster under aerobic conditions when compared to biodegradation rates under anaerobic conditions.

The range of specific half lives for the COC detected in the soil and/or groundwater at the Site are summarized below:

- Tetrachloroethene (PCE): Half-life in groundwater between 365 days and 730 days. Half-life in soil between 183 days 365 days

- Trichloroethene (TCE): Half-life in groundwater between 325 days and 1643 days. Half-life in soil between 183 days and 365 days.

- Vinyl Chloride (VC): Half-life in groundwater between 56 days and 2890 days. Half-life in soil between 28 days and 183 days

- 1,1-Dichloroethene (1,1-DCE): Half-life in groundwater between 56 days and 132 days. Half-life in soil between 28 days and 183 days

- 1,2-Dichloroethene (including cis-1,2-DCE and trans-1,2-DCE): Half-life in groundwater between 56 days and 2890 days. Half-life in soil between 28 days and 183 days.

The Agency for Toxic Substances and Disease Registry (www.atsdr.cdc.gov) was referenced to obtain information on the VOC detected at the Site. A summary of information for these VOC is provided below:

- Tetrachloroethene (PCE): can be emitted into the air from water and soil where it is broken down by sunlight and other chemicals. PCE in air can be brought back to the ground surface via rain or snow. It breaks down in water and soil via microorganisms and can pass through the soil into groundwater. PCE does not bioaccumulate.

- Trichloroethene (TCE): is slightly soluble in water and can remain in the groundwater for a time. TCE evaporates less easily from the soil than from surface water. TCE may stick to particles in water, which will cause it to eventually settle to the bottom sediment. TCE does not bioaccumulate.

- Vinyl Chloride (VC): in the liquid form evaporates easily. VC in water or soil evaporates rapidly if it is near the surface. VC in the air breaks down in a few days to other substances, some of which can be harmful. Small amounts of VC can dissolve in water. VC is unlikely to bioaccumulate.

- 1,1-Dichloroethene (1,1-DCE): evaporates very quickly from water and soil to the air where it readily breaks down. In soil, 1,1-DCE is slowly transformed to other less harmful chemicals. 1,1-DCE breaks down very slowly in water and does not bioaccumulate.

- 1,2-Dichloroehtene (1,2-DCE): evaporates rapidly into air where it breaks down quickly. Most 1,2-DCE in the soil surface or bodies of water will evaporate into air. 1,2-DCE can travel through soil or dissolve in water in the soil. It is possible that it can contaminate groundwater. There is a slight chance that 1,2-DCE will break down into vinyl chloride, which is a more toxic compound.

In addition to biodegradation, VOC concentrations in the groundwater decrease as the distance from the source area is increased due to processes such as advection, dispersion, sorption, diffusion, etc. In fact, the analytical laboratory test results for groundwater samples collected as part of this study indicate that the VOC concentrations decrease as the distance from the suspected source area (i.e., the Courtyard Area) is increased.

5.3 Contaminant Migration

COC are not present in test boring/monitoring well locations near the western property boundary of the Site (i.e., upgradient locations). The highest concentrations of COC in the soil and groundwater were detected in proximity of the Courtyard Area where a broken 6-inch diameter clay tile pipe was identified. In addition, soil impacted with COC and a DNAPL plume were detected beneath the concrete floor of the Anderson Cleaners building generally east of the Courtyard Area (refer to Figure 10). These locations are apparent source areas of the COC present at the Site. Migration of COC within the groundwater to the east/southeast away from the source areas resulted in a plume

consisting primarily of PCE and associated breakdown products (refer to Figure 6, Figure 7 and Figure 7A).

COC detected in the soil appear to have migrated downward into the groundwater and thereafter migrated via the groundwater. This is evident in the area of the broken clay pipe in the Courtyard Area where COC were detected within the soil beginning at a depth of 2^{+} feet below the ground surface (i.e., below the invert of the pipe) and the concentrations generally increased with depth until the groundwater was encountered (i.e. typically at a depth of about 8 feet below the ground surface). The COC concentrations in the soil are typically lower in locations away from the broken pipe, but the groundwater in these locations is impacted with COC.

The COC are typically denser than water (particularly DNAPL) and, as such, they tend to sink into the groundwater. The upward hydraulic gradient between the fractured/weathered rock groundwater zone and the shallow overburden groundwater zone at the Site appears to limit this downward migration to some extent (i.e., as evidenced by the variation in COC concentrations detected in adjacent monitoring well MW-07 and MW-03). Similarly, as discussed in Section 4.4, the upward hydraulic gradient between the competent bedrock and the fractured/weathered bedrock zone limits the downward migration of COC into the bedrock.

It is also likely that COC migrating within the groundwater plume will volatize, migrate upward into the vadose zone and collect beneath building slabs and similar confined spaces. As such, it is anticipated that the sub-slab beneath the laundry/dry cleaning area of the Anderson Cleaners building will contain elevated concentrations of COC. Based upon the groundwater flow pattern, similar impacts to the Finishing Area portion of the Anderson Cleaners building are not anticipated.

5.3.1 Factors Affecting Contaminant Migration

Factors affecting contaminant migration include: groundwater flow; advection; mechanical dispersion; molecular diffusion; partitioning between air, soil and groundwater; and adsorption of constituents onto soil particles or particles suspended in groundwater.

In general, the COC are soluble in water and tend to be mobile in the environment (e.g., migrating through the groundwater and vaporizing into the unsaturated zone). Due to the physical characteristics of the COC and physical/chemical factors of the subsurface media, COC typically migrate at a rate slower than the groundwater. As discussed in Section 3.4, it is estimated that groundwater in the fractured/weathered rock zone flows at a rate of about 0.46 ft/day to 0.66 ft/day. The slower rate of contaminant migration through the groundwater is expressed as a retardation factor. Assuming a 1% fraction of total organic carbon and a partition coefficient of 277 ml/g (i.e., consistent with values identified in TAGM 4046) and a bulk density of 2.64 g/cm^3 and a porosity range of 0.35-0.5 (i.e., consistent with the type of soil found at the Site), the retardation factor for PCE is calculated to be 1.2. As such, it is estimated that PCE will flow in the groundwater at a rate of less than 0.46 ft/day.

6.0 EXPOSURE ASSESSMENT

This section presents the results of the Qualitative Human Health Exposure Assessment and the Fish and Wildlife Resources Impact Analysis conducted for the Site based upon the data collected during this study.

6.1 Qualitative Human Health Exposure Assessment

A qualitative human health exposure assessment was conducted as part of this project in accordance with the guidelines referenced in the document titled "*New York State Department of Health Qualitative Human Health Exposure Assessment*" that is included as Appendix 3B of DER-10. The purpose of the qualitative human health exposure assessment was to identify the exposure setting and exposure pathways, and to evaluate the contaminant fate and transport in relation to human health exposure.

An exposure pathway is comprised of the following components:

1. a contaminant source;
2. contaminant release and transport mechanisms;
3. a point of exposure;
4. a route of exposure; and
5. a receptor population.

Contaminant Sources

Historically, the Site has been used for dry cleaning operations and PCE was previously used as the primary dry cleaning fluid. In the past, PCE discharged to the subsurface and the soil and groundwater at the Site (particularly beneath the current Laundry/dry cleaning portion of the Anderson Cleaners building) has been impacted by PCE and associated breakdown products. Specifically, the COC identified at the Site include: PCE, TCE, 1,1-DCE, cis-1, 2-DCE, trans-1, 2-DCE, VC, and DNAPL. Based on the current data, the COC impact is located on the Site (i.e., with the exception of a localized area in proximity of a sanitary sewer line) off-site migration has not been documented.

Contaminant Release and Transport Mechanisms

Release and transport mechanisms for the COC include:

- leaching from the soil and impacting groundwater through precipitation or contact with groundwater;
- migrating in a dissolved groundwater plume;
- migrating as a vapor in the unsaturated zone;
- volatilization from groundwater or soil to indoor air; and

- transportation on construction equipment/workers if impacted media is disturbed (i.e., future additions, repairing underground utilities, etc.)

Points of Exposure include

The locations where actual or potential human contact with COC may occur include:

- indoor air in the Laundry/dry cleaning facility on the Site; and
- direct contact with media impacted with COC during future Site improvements.

Routes of Exposure

The manner in which a COC enters or contacts the body include:

- Inhalation;
- Ingestion;
- Dermal contact;
- Eye contact; and
- Puncture/injection.

Receptor Populations

The receptor populations include:

- Employees and patrons of the laundry/dry cleaning facility on the Site; and
- Construction workers that need to disturb contaminated media.

Potential exposure pathways

The results of this human health exposure assessment have identified the following potential exposure pathways:

- COC present in the soil and groundwater at the Site that may volatilize and impact air quality inside the building. Employees and patrons of this building could be exposed to the VOC vapors through inhalation of indoor air.
- Construction workers could be exposed to COC that are present in the soil and groundwater at concentrations above SCG. Examples of such exposures could include:
  - Inhalation of vapors from the volatilization of COC from soil and/or groundwater; and
  - Direct contact with COC-impacted media may also occur, which could lead to other potential routes of exposure including ingestion, inhalation, dermal contact, eye contact, and puncture/injection.

- Future use of the groundwater at the Site (and surrounding area) could pose a potential exposure pathway to COC present in groundwater at concentrations above SCG. The primary potential route of exposure would be ingestion. However, other potential routes of exposure include inhalation, dermal contact, eye contact, and puncture/injections potentially exist.

The findings of the human health exposure assessment have been used to assist in the selection of the recommended remedial alternative for the Site as discussed in Section 9.0 of this report.

6.2 Fish and Wildlife Resources Impact Analysis

A copy of a completed Fish and Wildlife Resources Impact Analysis (FWRIA) Decision Key is included in Appendix J. The findings of the studies described herein, and the information provided above, were used to assist in completing the FWRIA Decision Key. The Site, which is predominately covered with a building and a paved parking lot/driveway, contains soil and groundwater impacted with COC. The Site does not contain fish or wildlife species that are endangered, threatened or of special concern. As a result, an FWRIA is not needed for this Site.

7.0 CONCEPTUAL SITE MODEL

The following sections summarize the conceptual site model developed as part of this BCP Remedial Investigation project.

Overburden Deposits

The Site is underlain by overburden deposits that extend to depths of about 16 ft. to 23 ft. bgs. Fill material typically comprised of silty sand and gravel often intermixed with pieces of bricks, concrete and wood is present below surface coverings that consist of lawn/landscape areas, asphalt pavement or buildings. The fill material extends to depths ranging from about 2^{+} ft. to 8 ft. bgs. In some of the test borings advanced at the Site, an approximate 0.5-foot layer of peat was encountered below the fill material. However, the fill materials typically overlay glacial deposits consisting of interbedded mixtures of sandy silt and clayey silt often containing lesser amounts of sand, gravel, and occasional cobble-size material. In some locations, the sandy silt and clayey silt deposits contain seams of sub-angular to rounded gravel and sand (i.e., likely deposited via glacial melt water). The sandy silt and clayey silt deposits are approximately 4 ft. to 12 ft. thick extending beneath the fill to the top of a glacial till deposit. The glacial till is typically medium dense gray-brown silty sand with lesser amounts of clay and rock fragments. The glacial till is approximately 3 ft. to 7 ft. thick extending to the top of fractured/weathered shale bedrock, and it is winnowed with seams of permeable sand and gravel evident in some locations. The indigenous soil is typical of the ground moraine deposits common in the area of the Site.

Bedrock

A fractured and weathered shale layer (i.e., attributable to glacial scour and groundwater movement) extends from the base of the glacial till until competent bedrock is encountered. During the advancement of the test boring to install BR-02FR, an approximate 5.6 ft. thick zone of fractured rock was encountered below the till layer. An approximate 5.8 ft. thick layer of fractured rock was encountered below the till layer in the test boring for BR-02R. The rock quality improves with depth, and "competent bedrock" was encountered in the test boring for BR-02FR at a depth of about 28.4 ft. bgs, or elevation 69.55 ft. (i.e., measured to an arbitrary datum established for the Site). In the test boring advanced for monitoring well BR-02R, competent bedrock was encountered at a depth of about 28.0 ft. bgs, or elevation 69.9 ft.

Stratigraphic Cross Sections

Stratigraphic cross sections developed based on the test borings advanced to date are presented as Figure 8 (a cross section that extends generally from west to east between monitoring well MW-1 and BR-03R; designated as Cross Section A-A'), and Figure 9 (a cross section that extends generally from north to south between monitoring well MW-08 and MW-06; designated as Cross Section B-B'). The locations/orientations of Cross Section A-A' and Cross Section B-B' are shown on the Site Plan included as Figure 5.

Groundwater Conditions

Monitoring wells installed with their screened section terminating at or near the top of the glacial till typically encounter groundwater at depths ranging from about 1 to 4 ft. bgs. Monitoring wells installed within fractured/weathered bedrock exhibit flowing artesian conditions with groundwater levels greater than 2 ft. above the ground surface (ags). The groundwater levels measured in monitoring wells installed within competent bedrock (i.e., BR-02R and BR-03R) also exhibit flowing artesian conditions, but the hydraulic head is less than that observed in monitoring wells screened within the fractured bedrock.

Monitoring well MW-207 is installed with its screened section extending upward from the top of the glacial till, BR-02FR is installed within the fractured bedrock zone, and BR-02R is installed as an open hole within the competent bedrock. Monitoring well MW-207 is located about 17 ft. west of monitoring well BR-02R and monitoring well BR-02FR is located less than 5 ft. south of monitoring well BR-02R. The vertical hydraulic gradients calculated based on groundwater level measurements made in these monitoring wells on May 5, 2010 are summarized below.

- BR-02FR to MW-207 = + 0.4 ft./ft. (upward hydraulic gradient)
- BR-02R to MW-207 = +0.2 ft./ft. (upward hydraulic gradient)
- BR-02FR to BR-02R = -0.06 ft./ft. (downward hydraulic gradient)

Groundwater contour maps developed using data collected on May 5, 2010 for the overburden zone (i.e., based on groundwater elevations measured in monitoring wells screened within or above the glacial till) and the fractured bedrock zone are included on Figure 6. As shown, groundwater in both zones generally flows to the east across the Site with a southeasterly component evident in the southern portion of the Site. During the May 5, 2010 monitoring event, an average horizontal gradient of 0.03 ft./ft. was calculated in the overburden zone monitoring wells, and an average hydraulic gradient of 0.012 ft./ft. was calculated for the fractured bedrock zone monitoring wells. An average hydraulic conductivity of 6.83×10^{-3} cm/sec was measured in monitoring wells MW-01 through MW-06 (i.e., monitoring wells that penetrate the fractured rock zone). The hydraulic conductivity was not tested in monitoring wells installed within the overburden zone, but based on the nature of the overburden material, a hydraulic conductivity of 1.0×10^{-4} cm/sec is estimated. Using the average values for horizontal gradient and hydraulic conductivity and an assumed porosity value of 0.35 to 0.50 for each zone, a horizontal groundwater velocity within the overburden zone was calculated to range between about 0.017 ft./day and 0.024 ft./day, and a horizontal groundwater velocity of 0.46 ft./day to 0.66 ft./day was calculated for the fractured rock zone.

Contaminants of Concern

The Site has been used for dry cleaning operations and PCE was previously used as the primary dry cleaning agent. In the past, PCE entered the subsurface, and this has resulted in PCE and associated breakdown products impacting the soil and groundwater. The COC identified in the soil and groundwater at the Site include:

- tetrachloroethene (PCE)

- trichloroethene (TCE)
- 1,1-dichloroethene (1,1-DCE)
- cis-1, 2-dichloroethene (cis-1, 2-DCE)
- trans-1, 2-dichloroethene (trans-1, 2-DCE)
- vinyl chloride (VC)
- Dense Non-Aqueous Phase Liquid (DNAPL)

Contaminant Distribution and Migration

The highest concentrations of COC were measured in soil and groundwater samples collected in proximity to the Courtyard Area of the Site and locations to the east/southeast (e.g., within monitoring wells PW-2, PW-3, MW-7.1, MW-207 and BR-02FR). COC, in the form of dissolved constituents, have migrated to the east/southeast through the groundwater. It is also possible that some preferential migration has occurred along the bedding of the 6-inch clay tile pipe formerly located in the Courtyard Area where the soil removal IRM was conducted, and potentially along other buried utilities crossing the Site.

DNAPL has been detected within the glacial till in several test borings/monitoring wells in the central portion of the Site. It is presumed that the DNAPL entered the subsurface from a near surface location (e.g., potentially through a broken pipe in the Courtyard Area that was remediated as part of the soil removal IRM, and/or other localized discharges that may have occurred during the 1985 fire at the Site), and due to its density, the DNAPL migrated downward and collected on and within the less permeable glacial till. Since July 2006, DNAPL has been observed and removed from various monitoring wells installed at the Site including: monitoring well MW-204 (located in the Courtyard Area in the vicinity of the break in clay tile pipe), monitoring well MW-207 (located near the southeastern corner of the building), PW-3 (located within the Laundry/dry cleaning area of the building) and WP-2 (located inside the building near the southeastern corner). To date, more than 100 gallons of DNAPL has been removed from the above monitoring wells using a combination of bailers and a portable vacuum purge system. [Note: DNAPL has not been detected in monitoring well MW-204 since May 21, 2008, and it appears that the removal efforts conducted to date have removed DNAPL from this monitoring well to the extent possible. Also, DNAPL was observed on the samples of glacial till collected during the advancement of the test boring for monitoring well BR-02FR, but through May 5, 2010, DNAPL has not been detected within the water in this monitoring well.]

The presumed extent of DNAPL impact remaining at the Site is depicted on Figure 10. In addition, the top of till and the top of rock elevations measured in select test borings is also presented on this figure. These elevations indicate that the top of the till and the top of rock slope downward generally to the south and southeast, with evidence of convergence into a lower area located in proximity of monitoring well BR-02FR. The elevation of the top of till and top of rock appears to have influenced the DNAPL distribution, whereby the DNAPL appears to have moved downward and collected on the till initially in the area of MW-204 and/or PW-3, thereafter following the slope of the till/bedrock towards BR-02FR.

The DNAPL provides a constant source of dissolved phase PCE and other COC in the groundwater. It is possible that some preferential dissolved contaminant flow could occur along buried utilities, and this appears to be supported by the concentrations of COC measured in samples collected from monitoring well MW-201, which is positioned adjacent to a 4-inch diameter sanitary sewer located in Huxley Street.

8.0 IDENTIFICATION AND DEVELOPMENT OF ALTERNATIVES

This section of the report presents the identification and development of remedial action objectives (RAO) and remedial alternatives (RA) for the Site.

8.1 Remedial Action Objectives

Based on the findings of the RI, the RAO are described below:

Soil

Protection of public health:

- Prevent ingestion and direct contact of soil impacted with COC.
- Prevent inhalation and exposure via volatilization of COC in soil.

Environmental protection:

- Prevent migration of COC that would result in impacts to surface water or groundwater.
- Prevent impacts to biota via ingestion or direct contact with soil impacted with COC that would result in toxic conditions or impacts from bioaccumulation through the terrestrial food chain.

Groundwater

Protection of public health:

- Prevent ingestion of groundwater impacted with COC at levels exceeding drinking water standards.
- Prevent contact with, or inhalation of vapors emitted by, groundwater impacted with COC.

Environmental protection:

- To the extent practicable, restore the groundwater aquifer to pre-release conditions.
- Prevent the discharge of COC to surface water.
- Remove the source of COC impact to the groundwater.

8.1.1 Contaminants of Interest

Based on the studies performed to date, the COC identified are primarily comprised of chlorinated VOC associated with dry cleaning products that were formerly used at the Site. Specifically, these COC are primarily related to PCE and associated breakdown products including:

- tetrachloroethene (PCE)
- trichloroethene (TCE)
- 1,1-dichloroethene (1,1-DCE)
- cis-1, 2-dichloroethene (cis-1, 2-DCE)
- trans-1, 2-dichloroethene (trans-1, 2-DCE)
- vinyl chloride (VC)
- DNAPL (i.e., as identified in the central portion of the Site)

8.1.2 Development of Remediation Criteria

In order to evaluate the effectiveness of remedial alternatives for this Site, the following general and site-specific remediation goals were evaluated in general accordance with the provisions set forth in DER-10:

- Overall Protectiveness of the Public Health and Environment. This criterion is an evaluation of the remedy's ability to protect public health and the environment, and how the remedy would eliminate, reduce or control through removal, treatment, containment, engineering controls or institutional controls existing or potential human exposures or environmental impacts identified by the RI.

- Compliance with Standards, Criteria and Guidance (SCG). Compliance with SCG addresses whether or not a remedy will meet applicable environmental laws, regulations, standards and guidance. The SCG for the Site are listed along with discussion of whether or not the remedy will achieve compliance.

- Short-Term Impacts and Effectiveness. The potential short-term adverse impacts and risks of the remedy upon community, the workers and the environment during its construction and/or its implementation are evaluated. A discussion of the identified adverse impacts and health risks to the community or workers at the Site, and how such issues will be controlled, and the effectiveness of said controls, is presented. A discussion of engineering controls that will be used to mitigate short-term impacts (e.g., dust control measures) is provided where applicable. The length of time needed to achieve the remedial objectives is also estimated.

- Long-Term Effectiveness and Permanence. This criterion evaluates the long-term effectiveness of the remedy after implementation. If wastes or treated residuals remain on-site after the selected remedy has been implemented, the following items are evaluated:

- the magnitude of the remaining risks (i.e. significant threats, exposure pathways, or risks to the community and environment from the remaining wastes or treated residuals);
- the adequacy of the engineering and institutional controls to limit the risk;
- the reliability of these controls; and,
- the ability of the remedy to continue to meet RAO in the future.

- Reduction of Toxicity, Mobility and Volume. The remedy's ability to reduce the toxicity, mobility or volume of the COC is evaluated. Preference is given to remedies that permanently and significantly reduce toxicity, mobility or volume of the wastes at the Site.

- Implementability. The technical and administrative feasibility of implementing the remedy is evaluated. Technical feasibility includes the differences associated with the construction and the ability to monitor the effectiveness of the remedy. For administrative feasibility, the availability of the necessary personnel and material is evaluated along with potential differences in obtaining specific operating approvals, access for construction, etc.

- Cost. Capital, operation, maintenance and monitoring costs are estimated for the remedy and presented on a present worth basis.

- Land Use. This criterion is intended to evaluate the remedy in relation to the current, intended and reasonably anticipated future use of the Site. Presently, it is anticipated that the future use of the Site would be the same as the past use - that being primarily a Laundry/dry cleaning facility.

- Community Acceptance. This criterion is intended to select a remedial alternative that is acceptable to the community. The public's comments, concerns and overall perception of the remedy are later evaluated in a format that responds to questions that are raised (i.e., responsiveness summary).

8.2 General Response Actions

During this study, soil in proximity of the ground surface that contains COC at concentrations exceeding SCG was detected in two localized areas. These locations include the Courtyard Area and an area immediately east of the current garage portion of the Anderson Cleaners building. In the Courtyard Area, impacted soil was encountered beginning at a depth of about 2^{+} feet below the ground surface (i.e., immediately below a 6-inch diameter clay tile pipe found to be broken in the Courtyard Area). East of the current garage area (i.e., in proximity to test boring B-3) impacted soil was identified beginning approximately 4 ft. bgs). In these areas, the soil impacted with COC extended to the top of the groundwater, which was encountered at a depth of about 8 ft. bgs during the soil removal IRM. Although the extent was not confirmed via testing, soil impacted with COC at concentrations exceeding SCG is also likely present in areas beneath the

concrete slab of the Anderson Cleaners building (i.e., generally in locations east of the Courtyard Area). During the soil removal IRM, approximately 46 tons of this impacted soil was removed from the Courtyard Area and transported off-site for disposal in accordance with applicable regulations.

During this study, groundwater was measured in "shallow" monitoring wells that terminate above, or at the top of, the glacial till at levels of about 1 ft. to 5 ft. bgs. Monitoring wells that penetrated the entire thickness of the overburden into the fractured rock encountered groundwater levels in excess of 2 ft. above the ground surface (i.e., flowing artesian conditions). The groundwater levels measured in monitoring wells installed within competent bedrock that is present below the fractured rock zone (i.e., BR-02R and BR-03R) also exhibited flowing artesian conditions, but the hydraulic head is less than that observed in monitoring wells screened within the fractured bedrock.

DNAPL has been detected at the surface of the glacial till in several test borings/monitoring wells in the central portion of the Site. It is presumed that the DNAPL entered the subsurface from a near surface location (e.g., potentially through a broken pipe in the Courtyard Area that was remediated as part of the soil removal IRM, and/or other localized discharges that may have occurred during the 1985 fire at the Site). Due to its density, the DNAPL migrated downward and accumulated on the glacial till and continued to migrate laterally in the direction of the till layer slope (i.e., generally to the south and southeast, with evidence of convergence into a lower area located in proximity of monitoring well BR-02FR). The presumed areal extent of DNAPL at the Site is depicted on Figure 10.

During this study, DNAPL has been removed from various monitoring wells installed at the Site including: monitoring well MW-204 (located in the Courtyard Area in the vicinity of the break in clay tile pipe), monitoring well MW-207 (located near the southeastern corner of the building), PW-3 (located within the laundry/dry cleaning area of the building) and WP-2 (located inside the building near the southeastern corner). To date, more than 100 gallons of DNAPL has been removed from the above monitoring wells using a combination of bailers and a portable vacuum purge system. [Note: DNAPL has not been detected in monitoring well MW-204 since May 21, 2008, and it appears that the extraction efforts conducted to date have removed DNAPL from this monitoring well to the extent possible. Also, DNAPL was observed on the samples of glacial till during the advancement of the test boring associated with monitoring well BR-02FR, but through May 5, 2010, DNAPL has not been detected within the water column of this monitoring well.]

DNAPL provides a source of dissolved phase PCE and other COC in the groundwater resulting in a contaminant plume located hydraulically downgradient of this source area (i.e., typically extending to the east/southeast from the central portion of the Site in the direction of groundwater flow). It also is possible that some preferential dissolved contaminant flow could occur along buried utilities, and this appears to be supported by the concentrations of COC measured in samples collected from monitoring well MW-201, which is positioned adjacent to a 4-inch diameter sanitary sewer located in Huxley Street.

In addition to the IRM soil removal discussed above, general response actions to address the impacted soil and groundwater include monitoring to evaluate the nature and extent of impact; treatment (i.e., DNAPL removal, bioremediation, excavation, extraction, etc), containment, disposal, environmental engineering controls and institutional controls. The response actions are primarily evaluated for application in addressing impacted groundwater containing COC concentrations that exceed SCG.

8.3 Development of Remediation Alternatives

The RA considered for this Site are intended to address the COC identified in the soil and groundwater at concentrations that exceed SCG.

Alternative #1: DNAPL recovery and Chemical Oxidation, Bioremediation, Collection and Treatment of Artesian Well Effluent, Maintenance of Existing Cap, Institutional Controls, Engineering Controls and Long-Term Monitoring Under this alternative, DNAPL would be removed using chemical resistant submersible pumps from locations in which extractable quantities of DNAPL have been observed. When the recoverable amount of DNAPL diminishes to non-extractable quantities, a chemical reagent capable of inducing a chemical reaction that would oxidize the residual saturated source zone COC would be added to the contaminated groundwater as a polishing measure. In locations hydraulically downgradient of the source zone, biological treatment (bioaugmentation and/or biostimulation) would be implemented by enhancing the populations of *Dehalococcoides* microbes currently present at the Site. In addition, the flowing artesian conditions exhibited within the fractured bedrock and upper competent bedrock will be utilized to provide a downgradient hydraulic barrier. The existing soil and asphalt cap at the Site would be maintained above the soil remaining at the Site that contains COC at concentrations exceeding SCG. Institutional controls and environmental engineering controls would be implemented to protect against exposure to contamination in the soil and groundwater. Long-term monitoring would be implemented to ensure that the treatment undertaken and natural attenuation is adequately controlling and remediating the residual COC impact within the groundwater.

Alternative #2: Restore to Pre-Existing Conditions to Allow Unrestricted Use of the Site: Excavation of Contaminated Soil with Off-Site Disposal, DNAPL recovery and Chemical Oxidation, Groundwater Extraction and Treatment and Long Term Monitoring Under this alternative, excavation and off-site disposal would be implemented to remediate soil contamination that exceeds SCG. An active pumping system would be implemented to recover DNAPL and chemical oxidation would be implemented as a polishing step when sufficient DNAPL recovery has been completed. Pump-and-Treat technology would be used as an in-situ groundwater containment and treatment measure. Long-term monitoring would be implemented to ensure that the excavation and in-situ remediation adequately remediated the contamination.

Alternative #3 - No Further Action: The no further action alternative is included as a baseline to evaluate other alternatives. Under this alternative, remedial activities beyond the IRM soil removal conducted in 2005 and the DNAPL removal that has been done to

date, additional monitoring of environmental impacts, as well as placement of institutional controls or engineering controls at the Site are not implemented. The Site would remain virtually as it is and change in use would not be limited.

9.0 DETAILED EVALUATION OF ALTERNATIVES

The selected alternatives identified in Section 8.3 are evaluated in this section relative to the remediation criteria presented in Section 8.1.2. For Alternative #1, it is assumed that the Site will continue to be operated as a Laundry/dry cleaning facility in the future. The development and implementation of a remedial work plan and HASP for each alternative is also included in the detailed evaluation.

9.1 Alternative #1

Alternative #1 consists of various technical and administrative actions that are intended to reduce exposure to COC and provide monitoring of groundwater to evaluate the effectiveness of the remedial program.

Under this alternative, remediation would proceed in a staged approach with the most aggressive and immediate measures implemented first. Initially, source zone removal actions will be implemented. This would include the removal of DNAPL in an approximate 10 ft. wide area extending approximately between existing monitoring wells PW-3 and BR-02FR (i.e., a distance of about 80 ft. from west to east). The presumed DNAPL source area to be treated is depicted on Figure 10. DNAPL has been identified on top of the glacial till layer in this area at a depth of about 12 ft. to 16 ft. bgs. DNAPL will be extracted via a compressed air operated fluid extraction system. Existing monitoring wells PW-3 and MW-207 and a new extraction well to be installed in proximity of existing monitoring well BR-02FR, will be utilized/converted to groundwater/DNAPL extraction wells by installing chemical resistant submersible pumps that discharge to a collection/treatment system. The groundwater treatment system will consist of a gravity separation train to remove DNAPL followed by activated carbon treatment of the supernatant liquid prior to discharge to the sanitary sewer system. In addition, a chemical oxidant (i.e., potassium permanganate, sodium permanganate, etc.) will be injected within the DNAPL source zone as a polishing step. The unsaturated soil within the source area will continue to be covered by asphalt/concrete or an approximate 2-foot thick clean soil cap that was constructed during the soil removal IRM. In addition, subsurface work within this area will be performed in accordance with the Site Management Plan (SMP) and HASP.

After the DNAPL treatment system is installed and operational, biological treatment will be initiated in an area downgradient of the source area to address dissolved COC that are present in the groundwater. It is assumed that the biological treatment area will extend approximately 40 ft. to the east from the eastern side of the Anderson Cleaners building and approximately 100 ft. to the south from a point approximately 30 ft. to the south of the northeastern corner of the Anderson Cleaners building (i.e., in proximity of at the location of existing well BR-01). This treatment will initially consist of the placement of hydrogen releasing materials (e.g., HRC manufactured by Regenisis and/or vegetable oil) to stimulate microbe growth (i.e., biostimulation events). Depending on interim testing results of microbe populations and COC concentrations, supplementary microbe populations may be added to select locations to augment the existing microbe population

(i.e., bioaugmentation event). Based on data collected to date, it appears three biostimulation events and one bioaugmentation event will be required. The initial biostimulation event will include the distribution of up to 1,850 pounds of HRC and/or vegetable oil into test borings advanced via direct-push drilling techniques (i.e., up to 30 locations) and existing monitoring wells BR-01, MW-03, MW-07, MW-206, BR-02R, and MW-208. During the second biostimulation event, it is anticipated that up to 1,125 pounds of HRC and/or vegetable oil will be distributed and that during the third biostimulation event up to 750 pounds of HRC and/or vegetable oil will be introduced into the subsurface. It is further assumed that during one of these events, two additional days will be allotted to distribute up to 48 liters of commercially produced *Dehaloccocides* microbes into the saturated zone.

In conjunction with the biological treatment, a series of twelve 4-inch diameter groundwater collection wells will be installed on the Site approximately 40 ft. to 50 ft. from the eastern/southeastern property line of the Site. Six wells would be installed to a depth of about 30 ft. bgs (i.e., in the fractured rock) and six wells would be installed to a depth of about 40 ft. bgs (i.e., nominal 3-inch open holes within the competent bedrock). These wells would be installed at an approximate 20 ft. spacing to create a continuous groundwater depression/collection zone approximately 120 ft. long extending generally from north to south. Wells installed within these zones will be under flowing artesian groundwater conditions, such that the groundwater rises to more than 2 ft. above the ground surface. As such, the wells would be connected to a piping network that would discharge the collected groundwater into a holding tank without the use of pumps. Prior to discharge the water in the holding tank would be treated using granular activated carbon. Depending on the amount of water collected and the sewer discharge requirements, the treated water would be discharged to the sanitary sewer system and/or injected into an upgradient location (e.g., BR-01).

It is anticipated that the institutional controls, which would be developed in conjunction with the DNAPL recovery system and source zone treatment would include the following elements:

- Development and implementation of a Site Management Plan (SMP) to address the characterization, handling and disposal/re-use of residual contaminated media (e.g., soil, fill, groundwater) that is disturbed during future Site activities. The SMP would also evaluate the potential for vapor intrusion into any future buildings to be constructed on the Site, including requirements to mitigate such potential vapor intrusions through use of environmental engineering controls. In addition, the SMP would identify use restrictions for the Site (e.g., property development and groundwater use restrictions, etc.).

- Annual certification by the property owner prepared by a professional engineer or environmental professional that is acceptable to the NYSDEC. The certification is intended to validate that the institutional controls and engineering controls implemented for the Site are unchanged from the previous certification and that no circumstances have occurred that impair the ability of the controls to protect

public health and the environment or constitute a violation or failure to comply with an operation and maintenance (O&M) plan or a SMP for the Site.

- Development and implementation of an environmental easement to require compliance with SMP; limit use of the Site to commercial and industrial applications; restrict use of groundwater as a source of potable water or process water, without necessary water quality treatment as determined by the NYSDOH; and require the property owner to complete and submit to the NYSDEC the annual certification described above.

A long-term monitoring program would be implemented as part of this alternative using the existing groundwater monitoring wells. This monitoring would continue for a period of up to ten years. It is assumed that the wells will be sampled on a bi-annual basis during the 1st and 2nd years, and on an annual basis for the 3rd through 10th years. During this monitoring, groundwater would be tested for parameters that evaluate the effectiveness of bioremediation and the concentration of COC. In addition, groundwater elevations would be determined and groundwater contour maps would be prepared for each monitoring event. It is anticipated that during each round of groundwater sampling, samples would be tested for VOC (ASP Method OLM04.2) and bioremediation parameters such as dissolved oxygen, oxidation-reduction potential, microbe content, ethane and pH. With approval from regulatory agencies, the duration and frequency of the groundwater monitoring may be adjusted based on the test results of samples collected during the first or second year of the monitoring program.

Spatial requirements for the implementation of this alternative are limited and conditions at the Site would not impede completion of this alternative. With the exception of groundwater injection and building permits that may be required for installing engineering controls, it is anticipated that there are no substantive technical permit requirements for this alternative.

Protection of Human Health: It is anticipated that Alternative #1 would be protective of human health and the environment under current conditions and planned future use of the Site. Risks associated with potential human health exposure pathways would be eliminated or adequately controlled. With the exception of restoring the groundwater aquifer to pre-disposal/pre-release conditions for environmental protection, RAO can readily be achieved. Institutional controls (e.g., SMP) including the maintenance of the existing asphalt/concrete and soil cap would protect on-site personnel against present and future exposures.

Compliance with SCG: Bioremediation and groundwater extraction would be used to remediate COC in groundwater and saturated soils located hydraulically downgradient of the source area to concentrations below chemical specific SCG. Soil in the unsaturated zone containing COC may remain untreated in localized areas under this alternative, although a reduction in COC concentrations with time is possible due to leaching of contaminants and attenuation factors such as dispersion, diffusion, etc. Action-specific and location-specific SCG are met for this Site.

Short-Term Impacts and Effectiveness: This alternative will likely result in a slight risk due to short-term impacts. It is anticipated that remediation workers will have an increased potential to be exposed to COC during the implementation of remedial activities and long-term groundwater monitoring; however, following the provisions presented in the SMP and a HASP (i.e., dust control, VOC control, etc.) would protect site remediation workers, on-site occupants/workers and the public from these short-term risks. It is anticipated that this alternative will not increase short-term risks to the surrounding community.

Long-Term Effectiveness: It is anticipated that this alternative will result in long-term effectiveness and permanence in relation to groundwater and saturated soil. It is also anticipated that the risk associated with unsaturated contamination that may be left in-place will be reduced by the existing asphalt/concrete and soil cap and institutional controls that are to be implemented. The magnitude of the unsaturated contamination soil left in place is relatively small and a maintained cap is a reliable control and would prevent viable exposure pathways. This remedial alternative is expected to meet RAO in the future.

Reduction in Toxicity, Mobility or Volume: DNAPL removal, chemical oxidation and bioremediation in the saturated zone will reduce the toxicity, mobility and volume of the contamination with time, and this remediation will be irreversible. Soil containing COC in the unsaturated zone in localized areas may remain untreated under this alternative, although a reduction in COC concentrations with time is possible due to leaching of contaminants and attenuation factors such as dispersion, diffusion, etc.

Implementability: This alternative is easily implemented in relation to the anticipated planned future use of the Site as a Laundry/dry cleaning facility.

Land Use: Based on the finding of studies performed to date, it is anticipated that this alternative would be acceptable in relation to the future use of the Site as a commercial business.

Cost: The costs for this alternative are summarized below.

Capital/Initial Cost	$301,589.06
Institutional/Operational/Maintenance/Annual/Closeout Cost	$88,250.00
Present Worth Costs with 25% contingency	$370,815.73

A breakdown of the estimated costs for Alternative #1 based upon currently available information and various assumptions is presented as Table 10.

9.2 Alternative #2

This alternative consists of various technical actions that are intended to perform extensive remediation of COC and provide adequate monitoring of groundwater to ensure the contamination is not migrating off-site. The intent of this alternative is to restore the

Site to pre-existing conditions, such that it is suitable for unrestricted use without the implementation of institutional or engineering controls.

This alternative includes the removal and treatment of DNAPL by the same methods outlined in Alternative #1.

This remedial option would also include the removal of an estimated 1,975 tons of soil impacted with COC at concentrations that exceed SCG. This would require the removal and replacement of concrete slabs from within the building, soil in proximity of the building and portions of the asphalt parking lot to allow excavation of soil impacted with COC. The removed soil would be transported and disposed of off-site at a NYSDEC-approved disposal facility. Water removed to dewater the excavation would be treated and discharged to the Jamestown, New York public sanitary sewer system or transported off-site for treatment and disposal. Confirmatory soil samples would be collected from the excavation. The excavation would be backfilled with NYSDEC-approved fill material (e.g., clean soil, crushed stone, etc.) and the surface restored to pre-existing conditions.

Once soil excavation and disposal is complete, a pump-and-treat system would be employed to capture the groundwater plume for treatment and disposal. The existing bedrock wells (i.e., BR-02FR, BR-02R, and BR-03R) would be used as pumping locations. In addition, up to thirty groundwater collection wells would be installed on the Site. The first series of six wells would consist of 4-inch diameter wells installed approximately 30 ft. into bedrock within the Courtyard Area. The second series of collection wells would consist of 4-inch diameter wells located approximately 20 ft. east of the eastern wall of the on-site building. The second series of wells would include six wells installed to a depth of about 30 ft. bgs (i.e., in the fractured rock) and six wells installed to a depth of about 40 ft. bgs (i.e., nominal 3-inch open holes within the competent bedrock). These wells would be installed at an approximate 20 ft. spacing to create a continuous groundwater depression/collection zone approximately 120 ft. long extending generally from north to south. The third a series of collection wells would consist of twelve 4-inch diameter wells installed approximately 40 ft. to 50 ft. from the eastern/southeastern property line of the Site. Six wells would be installed to a depth of about 30 ft. bgs (i.e., in the fractured rock) and six wells installed to a depth of about 40 ft. bgs (i.e., nominal 3-inch open holes within the competent bedrock). These wells would be installed at an approximate 20 ft. spacing to create a continuous groundwater depression/collection zone approximately 120 ft. long extending generally from north to south. Wells installed within artesian zones would be connected to a piping network that would discharge the collected groundwater into a holding tank without the use of pumps. Depending upon testing completed during the design phase, additional pumping wells may be required to capture the entire groundwater plume. It is anticipated that the collected water would be treated via activated carbon prior to discharge to the Jamestown, New York public sanitary sewer system.

The long-term groundwater monitoring program for this alternative is similar to that presented for Alternative #1 (i.e., except for bioremediation-type parameters).

Spatial requirements for the implementation of this alternative are significant and could impede its completion. Substantive technical permit requirements may be required through implementation of this alternative.

Compliance with SCG: This alternative should meet the chemical-specific SCG at the Site for the COC. Action-specific SCG and location-specific SCG for the Site are met as well.

Protection of Human Health and the Environment: It is anticipated that this alternative would ultimately be protective of human health and the environment. Risks associated with potential human health exposure pathways would be adequately controlled during remedial alternative implementation and ultimately these risks should be eliminated. This alternative adequately addresses RAO in relation to protection of human health and the environment for soil and groundwater.

Short-Term Impacts and Effectiveness: Compared to Alternative #1, this alternative will likely result in increased risk to short-term impacts. Subsurface materials impacted with elevated concentrations of COC would be excavated from interior and exterior locations at the Site and site workers and the community would have greater risk of exposure (i.e., nuisance odors, inhalation and contact with COC, etc.). However, implementation of the SMP and HASP should protect Site remediation workers, on-site occupants/workers and the nearby community from these short-term risks.

Long-Term Effectiveness: It is anticipated that this alternative will result in long-term effectiveness and permanence in relation to remediation of groundwater and soil with no residual waste remaining on the Site following remediation.

Reduction in Toxicity, Mobility, or Volume: The removal of contaminated soil and groundwater would result in significant reduction in toxicity mobility and volume. The effects of removing this contamination from the Site are irreversible.

Implementability: Implementation of this alternative is complicated by buried utilities on the Site and by factors associated with excavating in proximity to property boundaries and underneath the on-site building.

Land Use: Based on the finding of studies performed to date, it is anticipated that this alternative would be acceptable in relation to the future use of the Site as a commercial business.

Cost: The costs for this alternative are summarized below.

Capital/Initial	$1,956,175.00
Operational/Maintenance/Annual/Closeout Cost	$190,000.00
Present Worth Costs with 25% contingency	$2,183,979.97

A breakdown of the estimated costs for Alternative #2 based upon currently available information and various assumptions is presented as Table 11.

9.3 Alternative #3

Alternative #3 consists of the no action alternative. Under Alternative # 3, the Site remains virtually unaltered (i.e., with the exception of the IRM soil removal that was completed in 2005 and DNAPL collection activities completed to date), and future use and development of the Site would not be limited. This alternative contains no substantive technical permit requirements. In addition, remedial and monitoring activities as well as placement of institutional controls at the Site would not be implemented.

Protection of Human Health and the Environment: Alternative #3 may not be protective of human health and the environment. Risks associated with potential human health exposure pathways would not be eliminated, reduced (i.e., except with respect to the remedial efforts completed to date), or controlled. Overall RAOs for public health protection and environmental protection are not adequately addressed by this alternative.

Compliance with SCG Values: Alternative #3 does not provide adequate monitoring to evaluate compliance with chemical-specific SCG values. Location-specific SCG values are not met since the Site is located within a commercial use area and could adversely impact human health. Action specific SCG values are not applicable under the no action alternative.

Short-Term Impacts and Effectiveness: Since there is no additional remediation technology being implemented, there are no significant short-term risks to the community and/or environment that must be addressed by this alternative. However, if future activities compromise the existing cap (e.g., breaching the asphalt pavement in the parking area and the building floor), human exposure to contaminated subsurface soil and/or groundwater could occur.

Long-Term Effectiveness: There is no additional remediation technology being implemented, including engineering and institutional controls, therefore, the risks at the Site remain the same. The concentrations of COC in the soil and groundwater will essentially remain at the Site and future exposures are possible if the use of the Site changes or the Site is modified (i.e., construction at the Site). As such, this alternative is not effective in the long-term and not anticipated to meet RAO in the future.

Reduction in Toxicity, Mobility or Volume: It is likely that natural attenuation and other factors such as advection, dispersion, sorption, diffusion, etc. are occurring at the Site that would result in reduction of contaminant toxicity, mobility or volume over time. However, given the presence of residual DNAPL (i.e., COC source material) these factors would take a significant amount of time to reduce toxicity, mobility and/or volume of wastes at the Site.

Implementablility: Alternative #3 is easy to implement with no modifications necessary at the Site.

Land Use: Based on the finding of studies performed to date, it is anticipated that Alternative #3 may not be acceptable in relation to the future use of the Site as a commercial business.

Cost: The costs for this alternative are summarized below.

Capital/Initial	$0.00
Operational/Maintenance/Annual/Closeout Cost	$0.00
Present Worth Costs with 25% contingency	$0.00

A breakdown of the estimated costs for Alternative #3 is presented as Table 12.

9.4 Recommended Alternative

This presents the rationale for implementation of the recommended alternative. [Note: The costs provided for the implementation of the remedial alternatives presented are for comparative purposes. The actual costs will vary, based upon detailed design studies and pilot testing that may be required prior to implementation of this alternative.].

Based upon an evaluation of the remediation criteria established in Section 8.0, the intended future use of the Site as a Laundry/drycleaner and the fact that groundwater is not used as a potable source, Alternative #1 is the recommended alternative due to its ability to achieve RAO in a cost effective manner. This alternative will provide for the removal of COC, including DNAPL, from source areas thereby reducing on-going impacts to the hydraulically downgradient groundwater. The injection of electron donor (i.e., HRC, vegetable oil, etc.) should promote bioremediation and provide treatment of the groundwater and much of the impacted saturated overburden zone downgradient of the source zones. The effectiveness of the bioremediation will be evaluated by monitoring for various parameters including microbe populations and ORP to assess the need for additional biostimulation/bioaugmentation events. The artesian groundwater conditions at the Site will allow for a cost effective downgradient hydraulic barrier to the created, thereby inhibiting migration of COC. In addition, long-term groundwater monitoring will document the overall effectiveness of this remedial alternative. The maintenance of the existing asphalt/soil cap should serve to protect on-site occupants until COC concentrations are reduced to acceptable levels. The implementation of institutional controls will provide effective measures to assure on-site personnel are adequately protected during remedial alternative implementation. In addition, this alternative is flexible enough to allow the use of supplementary remedial approaches, if deemed necessary.

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11.0 ACRONYMS

Anderson Cleaners	Anderson Cleaners, Inc.
ASP	Analytical Services Protocol
ASTM	American Society for Testing and Materials
ATSDR	Agency for Toxic Substance of Disease Registry
BCP	New York State Department of Brownfield Cleanup
Beacon	Beacon Environmental Services, Inc.
BR-01	Bedrock Well
CAS	Columbia Analytical Services
COC	Contaminants of Concern
DAY	Day Environmental, Inc.
cis-1,2-DCE	cis-1,2-dichloroethene
1,1-DCE	1,1-dichloroethene
1-2-DCE	1,2-dichloroethene
trans-1,2-DCE	trans-1,2-dichloroethene
DCI	Data Check, Inc
DNAPL	Dense Non-Aqueous Phase Liquid
DUSR	Data Usability Summary Report
ELAP	Environmental Laboratory Approval Program
FEMA	Federal Emergency Management Agency
HASP	Health and Safety Plan
ID	Inner Diameter
IRM	Interim Remedial Measure
KG	Kilogram
L	Liter
MARCOR	Marcor Remediation, Inc.
Mitkem	Mitkem Corporation
MS/MSD	Matrix Spike/Matrix Spike Duplicate
Michigan Disposal	Michigan Disposal Waste Treatment Plant in Belleville, Michigan
MW	Monitoring Well
NAPL	Non-Aqueous Phase Liquid
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
OD	Outside Diameter
Paradigm	Paradigm Environmental Services, Inc.
PCB	Polychlorinated Biphenyls
PCE / perchloroethene	Tetrachloroethene
Phase I ESA	Phase I Environmental Site Assessment
PID	Photoionization Detector
POTW	Publicly Owned Treatment Works
the pipe	6-inch diameter clay tile pipe in Courtyard
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantification Limit
Price	Price Trucking
PVC	Polyvinyl Chloride
QA/QC	Quality Assurance/Quality Control
RA	Remedial Alternatives
RAO	Remedial Action Objective
REC	Recognized Environmental Condition
RI	Remedial Investigation
Rodgers	Michael J. Rodgers Land Surveyor, PC
ROTO-Rooter	ROTO-Rooter Plumbing Service
RSCO	Recommended Soil Cleanup Objective
Site	5 Hunt Road, Jamestown New York
SCG	Standard, Criteria and Guidance
SJB	SJB Services, Inc.
SLC	SLC Environmental Services, Inc.
SMP	Site Management Plan
SVOC	Semi-Volatile Organic Compound or Semi-Volatile Organic Compounds
TAGM	Technical and Administrative Guidance Memorandum
TAL	Target Analyte List
1,1,1-TCA	1,1,1-trichloroethane
TCE	Trichloroethene
TCL	Target Compound List

11.0 ACRONYMS (Continued)

TIC	Tentatively Identified Compound
TPH	Total Petroleum Hydrocarbon
TOGS	Technical and Operational Guidance Series
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
VC	Vinyl Chloride
VOC	Volatile Organic Compound or Volatile Organic Compounds
WTS	Waste Technology Services, Inc.
µg	Micrograms

TABLE 1

ANDERSON CLEANERS
5 HUNT ROAD
JAMESTOWN, NEW YORK
BCP # C907027

TEST PIT/TRENCH SAMPLES COLLECTED ON 10/6/2004 – COURTYARD EVALUATION
SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
SAMPLE RESULTS IN MICROGRAMS PER KILOGRAM (µG/KG)
OR PARTS PER BILLION (PPB)

PARAMETER	SAMPLE LOCATION AND DEPTH			NYCRR Part 375 Unrestricted Use SCO (PPB)(1)	NYCRR Part 375 Restricted Commercial Use SCO (PPB)(1)
	Trench-1 (2.0')	Trench-2 (2.0')	Trench-3 (2.5')		
Tetrachloroethene	**860,000***	**3,500**	**7,500**	1,300	150,000
Trichloroethene	**25,000**	**2,300**	460	470	200,000
cis-1,2-Dichloroethene	**11,000**	**16,000**	160	250	500,000
Vinyl Chloride	U (61, 000)	**990**	U (1,500)	20	13,000

(1) = Soil Cleanup Objective are as referenced in 6 NYCRR Part 375-6, Remedial Program Cleanup Objectives, dated December 14, 2006.

U = Not Detected at the concentration shown in parenthesis

21,400 = **Bold denotes a reported concentration that exceeds the Unrestricted Use SCO.**

860,000* = Bold and asterisk (*) denotes a reported concentration that exceeds both the Unrestricted Use SCO and the Restricted Commercial Use SCO.

TABLE 2

ANDERSON CLEANERS
5 HUNT ROAD
JAMESTOWN, NEW YORK
BCP #C907027

SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS (VOCS):
SOIL SAMPLES COLLECTED FROM TEST BORINGS TB-100 THROUGH TB-114 ON 2/7/2005 (COURTYARD EVALUATION)
SAMPLE RESULTS IN MICROGRAMS PER KILOGRAM (µG/KG)
OR PARTS PER BILLION (PPB)

PARAMETER	SAMPLE LOCATION AND DEPTH												Unrestricted Use SCO (PPB)[1]	Restricted Commercial Use SCO (PPB)[1]
	TB-100*	TB-101*	TB-102*	TB-103*	TB-105*	TB-106*	TB-110*	TB-111*	TB-108 (4'-6')	TB-112 (4'-6')	TB-113 (6'-8')	TB-114 (6'-8')		
Tetrachloroethene	**21,400**	**6,550**	**309,000****	**143,000**	**5,900**	**2,610,000****	**14,500**	**3,510,000****	**20,800**	1,020	**40,400**	**5,870**	1,300	150,000
Tichloroethene	U (2,460)	U (1,980)	U (21,500)	U (19,300)	U (1,310)	U (84,600)	U (1,940)	U (112,000)	U (2,510)	U (95.7)	**4,600**	U (1,860)	470	200,000
cis-1,2-Dichloroehtene	U (2,460)	U (1,980)	U (21,500)	U (19,300)	U (1,310)	U (84,600)	U (1,940)	U (112,000)	U (2,510)	U (95.7)	U (2,200)	U (1,860)	250	500,000
Vinyl Chloride	U (2,460)	U (1,980)	U (21,500)	U (19,300)	U (1,310)	U (84,600)	U (1,940)	U (112,000)	U (2,510)	**2,470**	U (2,200)	U (1,860)	20	13,000

* = Composite sample from 0-8' within test boring.

(1) Soil Cleanup Objectives (SCOs) are as referenced in 6 NYCRR Part 375-6, Remedial Program Cleanup Objectives, dated December 14, 2006.

U Not Detected at the concentration shown in parenthesis.

21,400 **= Bold denotes a reported concentration that exceeds the Unrestricted Use SCO.**

309,000** **=Bold and ** denotes a reported concentration that exceeds both the Unrestricted Use SCO and the Restricted Commercial Use SCO.**

Table 3

Anderson Cleaners
5 Hunt Road, Jamestown, New York
BCP # C907027

Test Borings/Monitoring Well Installations

Test Boring No.	Monitoring Well	Date Completed	Depth (ft.)	Remarks
TB-1	No	08/04/03	6.0	Advanced w/ Handheld Geoprobe
TB-2	No	08/04/03	6.0	Advanced w/ Handheld Geoprobe
TB-3	No	0804/03	7.0	Advanced w/ Handheld Geoprobe
TB-4	No	08/04/03	7.0	Advanced w/ Handheld Geoprobe
TB-5	No	08/04/03	2.0	Advanced w/ Handheld Geoprobe
TB-6	No	08/04/03	4.0	Advanced w/ Handheld Geoprobe
TB-7	No	08/04/03	4.0	Advanced w/ Handheld Geoprobe
TB-8	No	08/04/03	2.0	Advanced w/ Handheld Geoprobe
TB-9	No	08/04/03	2.0	Advanced w/ Handheld Geoprobe
TB-10	MW-1	09/03/03	14.5	SLC Track-Mounted Geoprobe 54LT
TB-11	MW-2	09/03/03	12.0	SLC Track-Mounted Geoprobe 54LT
TB-12	No	09/03/03	11.8	SLC Track-Mounted Geoprobe 54LT
TB-13	No	09/03/03	7.7	SLC Track-Mounted Geoprobe 54LT
TB-14	MW-5	09/03/03	11.4	SLC Track-Mounted Geoprobe 54LT
TB-15	No	09/03/03	11.6	SLC Track-Mounted Geoprobe 54LT
TB-16	MW-3	09/03/03	11.1	SLC Track-Mounted Geoprobe 54LT
TB-17	No	09/03/03	10.3	SLC Track-Mounted Geoprobe 54LT
TB-18	MW-4	09/03/03	11.3	SLC Track-Mounted Geoprobe 54LT
TB-19	No	09/03/03	10.9	SLC Track-Mounted Geoprobe 54LT
TB-20	No	09/03/03	1.4	SLC Track-Mounted Geoprobe 54LT
TB-21	No	09/03/03	7.7	SLC Track-Mounted Geoprobe 54LT
TB-22	No	11/13/03	11.9	SLC Track-Mounted Geoprobe 54LT
TB-23	MW-6	11/13/03	11.4	SLC Track-Mounted Geoprobe 54LT
TB-24	No	11/13/03	11.9	SLC Track-Mounted Geoprobe 54LT
TB-25	No	11/13/03	2.8	SLC Track-Mounted Geoprobe 54LT
TB-26	MW-7	11/13/03	10.5	SLC Track-Mounted Geoprobe 54LT
TB-27	MW-8	11/13/03	11.5	SLC Track-Mounted Geoprobe 54LT
PW-2	PW-2	10/13/04	15.3	SLC Track-Mounted Geoprobe 54LT
PW-3	PW-3	10/13/04	15.4	SLC Track-Mounted Geoprobe 54LT

Table 3

Anderson Cleaners
5 Hunt Road, Jamestown, New York
BCP # C907027

Test Borings/Monitoring Well Installations

Test Boring No.	Monitoring Well	Date Completed	Depth (ft.)	Remarks
TB-100	No	02/07/05	8.0	SLC Track-Mounted Geoprobe 54LT
TB-101	No	02/07/05	8.0	SLC Track-Mounted Geoprobe 54LT
TB-102	No	02/07/05	8.0	SLC Track-Mounted Geoprobe 54LT
TB-103	No	02/07/05	8.0	SLC Track-Mounted Geoprobe 54LT
TB-104	No	02/07/05	8.0	SLC Track-Mounted Geoprobe 54LT
TB-105	No	02/07/05	8.0	SLC Track-Mounted Geoprobe 54LT
TB-106	No	02/07/05	8.0	SLC Track-Mounted Geoprobe 54LT
TB-107	No	02/07/05	8.0	SLC Track-Mounted Geoprobe 54LT
TB-108	No	02/07/05	8.0	SLC Track-Mounted Geoprobe 54LT
TB-109	No	02/07/05	8.0	SLC Track-Mounted Geoprobe 54LT
TB-110	No	02/07/05	8.0	SLC Track-Mounted Geoprobe 54LT
TB-111	No	02/07/05	8.0	SLC Track-Mounted Geoprobe 54LT
TB-112	No	02/07/05	8.0	SLC Track-Mounted Geoprobe 54LT
TB-113	No	02/07/05	8.0	SLC Track-Mounted Geoprobe 54LT
TB-114	No	02/07/05	8.0	SLC Track-Mounted Geoprobe 54LT
TB-115	No	02/07/05	11.8	SLC Track-Mounted Geoprobe 54LT
TB-116	No	02/07/05	14.2	SLC Track-Mounted Geoprobe 54LT
TB-117	No	02/07/05	8.0	SLC Track-Mounted Geoprobe 54LT
B-1	MW-01	05/02/05	19.0	SJB Services, Inc., Rotary Rig; 2-inch diameter monitoring wells
B-2	MW-02	05/06/05	21.5	SJB Services, Inc., Rotary Rig; 2-inch diameter monitoring wells
B-3	MW-03	05/05/05	21.1	SJB Services, Inc., Rotary Rig; 2-inch diameter monitoring wells
B-4	MW-04	05/04/05	20.2	SJB Services, Inc., Rotary Rig; 2-inch diameter monitoring wells
B-5	MW-05	05/03/05	17.0	SJB Services, Inc., Rotary Rig; 2-inch diameter monitoring wells
B-6	MW-06	05/03/05	23.0	SJB Services, Inc., Rotary Rig; 2-inch diameter monitoring wells
B-7	No	05/03/03	16.4	Marcor Remediation, Inc. – Truck Mounted Geoprobe
B-8	No	05/23/05	15.5	Marcor Remediation, Inc. – Truck Mounted Geoprobe
B-9	No	05/23/05	12.0	Marcor Remediation, Inc. – Truck Mounted Geoprobe
B-10	MW-7	05/23/05	12.0	Marcor Remediation, Inc. – Truck Mounted Geoprobe
B-11	MW-8	05/23/05	12.0	Marcor Remediation, Inc. – Truck Mounted Geoprobe

Table 3

Anderson Cleaners
5 Hunt Road, Jamestown, New York
BCP # C907027

Test Borings/Monitoring Well Installations

Test Boring No.	Monitoring Well	Date Completed	Depth (ft.)	Remarks
TB-200	MW-200	04/06/06	16.5	Marcor Remediation, Inc. – Truck Mounted Geoprobe
TB-201	No	04/06/06	6.0	Marcor Remediation, Inc. – Truck Mounted Geoprobe
TB-202	MW-201	04/06/06	14.0	Marcor Remediation, Inc. – Truck Mounted Geoprobe
TB-203	No	04/06/06	12.0	Marcor Remediation, Inc. – Truck Mounted Geoprobe
TB-204	MW-202	04/06/06	15.0	Marcor Remediation, Inc. – Truck Mounted Geoprobe
TB-205	No	04/06/06	11.0	Marcor Remediation, Inc. – Truck Mounted Geoprobe
TB-206	MW-203	06/28/06	14.0	DAY Hand-Operated hexprobe; 1” well
MW-204	MW-204	07/05/06	16.3	SJB Services, Inc. Rotary Rig; 4” well
TB-207	MW-205	12/27/06	18.8	SJB Services, Inc. Rotary Rig; 4-inch diameter st. steel screen
TB-208	MW-206	12/27/06	16.0	SJB Services, Inc. Rotary Rig; 4-inch diameter PVC well
TB-209	MW-207	12/28/06	14.0	SJB Services, Inc. Rotary Rig: 4-inch diameter st. steel screen
TB-210	MW-208	12/28/06	14.0	SJB Services, Inc. Rotary Rig: 4-inch diameter PVC well
TB-211	MW-209	12/28/06	14.5	SJB Services, Inc. Rotary Rig: 4-inch diameter PVC well
BR-02FR	BR02FR	11/16/09-11/18/09	30.5	SJB Services, Inc. CME550x: NQ rock core 2-inch diameter stainless steel screen
BR02R	BR-02R	11/12/09-11/16/09	41.0	SJB Services, Inc. CME550x: NQ rock core 3.75” open hole with 4”ID low carbon steel casing
BR-03R	BR-03R	11/13/09-11/18/09	38.4	SJB Services, Inc. CME550x: NQ rock core 3.75” open hole with 4”ID low carbon steel casing

TABLE 4
ANDERSON CLEANERS
5 HUNT ROAD
JAMESTOWN, NEW YORK
BCP #C907027

ANALYTICAL LABORATORY TESTING PROGRAM

LABORATORY UTILIZED	SAMPLE	DATE	DEPTH	MEDIA TYPE	LABORATORY ANALYSES WITH METHOD USED
Paradigm	TB-1 (2.0-4.0')	08/04/03	2.0-4.0'	Soil	VOC (Tetrachloroethene (PCE) only) 8021
Paradigm	TB-2 (2.0-4.0')	08/04/03	2.0-4.0'	Soil	VOC (Tetrachloroethene (PCE) only) 8021
Paradigm	TB-2 (4.0-6.0')	08/04/03	4.0-6.0'	Soil	VOC (Tetrachloroethene (PCE) only) 8021
Paradigm	TB-3 (2.0-4.0')	08/04/03	2.0-4.0'	Soil	VOC (Tetrachloroethene (PCE) only) 8021; TPH 310.13
Paradigm	TB-4 (4.0-7.0')	08/04/03	4.0-7.0'	Soil	VOC (Tetrachloroethene (PCE) only) 8021
Paradigm	TB-6 (2.0-4.0')	08/04/03	2.0-4.0'	Soil	VOC (Tetrachloroethene (PCE) only) 8021; TPH 310.13
Paradigm	TB-7 (0.0-2.0')	08/04/03	0.0-2.0'	Soil	PCB 8082
Paradigm	TB-9 (0.0-2.0')	08/04/03	0.0-2.0'	Soil	PCB 8082
Paradigm	TB-10 (8.0-10.0')	09/03/03	8.0-10.0'	Soil	Halogens & Aromatics VOCs 8021
Paradigm	TB-13 (6.0-7.7')	09/03/03	6.0-7.7'	Soil	VOC (Tetrachloroethene (PCE) only) 8021; TPH 310.13
Paradigm	TB-15 (8.0-10.0')	09/03/03	8.0-10.0'	Soil	Halogens & Aromatics VOCs 8021
Paradigm	TB-17 (8.0-10.0')	09/03/03	8.0-10.0'	Soil	VOC (Tetrachloroethene (PCE) only) 8021; TPH 310.13
Paradigm	TB-19 (8.0-10.0')	09/03/03	8.0-10.0'	Soil	VOC (Tetrachloroethene (PCE) only) 8021
Paradigm	TB-21 (6.0-7.7')	09/03/03	6.0-7.7'	Soil	Halogens & Aromatics VOCs 8021
Paradigm	Sediment Sample	08/04/03	NA	Soil	VOC (Tetrachloroethene (PCE) only) 8021
Paradigm	MW-1	09/17/03	NA	Groundwater	Halogens & Aromatics VOCs 8021
Paradigm	MW-2	09/17/03	NA	Groundwater	Halogens & Aromatics VOCs 8021; TPH 310.13
Paradigm	MW-3	09/17/03	NA	Groundwater	Halogens & Aromatics VOCs 8021
Paradigm	MW-5	09/17/03	NA	Groundwater	Halogens & Aromatics VOCs 8021; TPH 310.13
Paradigm	MW-4	11/23/03	NA	Groundwater	Halogens VOCs 8021
Paradigm	MW-6	11/23/03	NA	Groundwater	Halogens VOCs 8021
Paradigm	MW-7	11/23/03	NA	Groundwater	Halogens VOCs 8021
Paradigm	MW-8	11/23/03	NA	Groundwater	Halogens VOCs 8021
Columbia	Trench-1	10/06/04	2.0'	Soil	Full TCL/ TAL* OLM04.2 & ILM04.1
Columbia	Trench-2	10/06/04	2.0'	Soil	TCL VOC OLM04.2
Columbia	Trench-3	10/06/04	2.5'	Soil	TCL VOC OLM04.2
Columbia	Rinsate-1	10/06/04	NA	Equipment Rinsate	Full TCL/ TAL* + CN OLM 04.2 &ILM 04.1
Paradigm	MW-7	10/21/04	NA	Groundwater	TCL VOCs 8260
Paradigm	PW-2	10/21/04	NA	Groundwater	TCL VOCs 8260
Paradigm	PW-3	10/21/04	NA	Groundwater	TCL VOCs 8260
Paradigm	TB-100 (0.0-8.0')	02/07/05	0.0-8.0' Comp	Soil	Halocarbons VOCs 8260
Paradigm	TB-101 (0.0-8.0')	02/07/05	0.0-8.0' Comp	Soil	Halocarbons VOCs 8260
Paradigm	TB-102 (0.0-8.0')	02/07/05	0.0-8.0' Comp	Soil	Halocarbons VOCs 8260
Paradigm	TB-103 (0.0-8.0')	02/07/05	0.0-8.0' Comp	Soil	Halocarbons VOCs 8260
Paradigm	TB-104 (0.0-8.0')	02/07/05	0.0-8.0' Comp	Soil	Halocarbons VOCs 8260
Paradigm	TB-105 (0.0-8.0')	02/07/05	0.0-8.0' Comp	Soil	Halocarbons VOCs 8260
Paradigm	TB-106 (0.0-8.0')	02/07/05	0.0-8.0' Comp	Soil	Halocarbons VOCs 8260
Paradigm	TB-107 (0.0-8.0')	02/07/05	0.0-8.0' Comp	Soil	Halocarbons VOCs 8260
Paradigm	TB-108 (0.0-8.0')	02/07/05	0.0-8.0' Comp	Soil	Halocarbons VOCs 8260
Paradigm	TB-109 (0.0-8.0')	02/07/05	0.0-8.0' Comp	Soil	Halocarbons VOCs 8260
Paradigm	TB-110 (0.0-8.0')	02/07/05	0.0-8.0' Comp	Soil	Halocarbons VOCs 8260
Paradigm	TB-111 (0.0-8.0')	02/07/05	0.0-8.0' Comp	Soil	Halocarbons VOCs 8260
Paradigm	TB-108 (4.0-6.0')	02/07/05	4.0-6.0'	Soil	Halocarbons VOCs 8260
Paradigm	TB-112 (4.0-6.0')	02/07/05	4.0-6.0'	Soil	Halocarbons VOCs 8260
Paradigm	TB-113 (6.0-8.0')	02/07/05	6.0-8.0'	Soil	Halocarbons VOCs 8260
Paradigm	TB-114 (6.0-8.0')	02/07/05	6.0-8.0'	Soil	Halocarbons VOCs 8260
Mitkem	BR-01 (31.1-32.6')	04/07/05	31.1'-32. 6'	Bed Rock Water	TCL VOCs * OLM04.2
Mitkem	BR-01 (41.7-43.2')	04/07/05	41.7'-43. 2'	Bed Rock Water	TCL VOCs OLM04.2
Mitkem	BR-01 (54.7-56.2')	04/07/05	54.7'-56. 2'	Bed Rock Water	TCL VOCs OLM04.2
Mitkem	BR-01 (67.7-69.2')	04/07/05	67.7'69. 2'	Bed Rock Water	TCL VOCs OLM04.2
Mitkem	BR-01 (80.7-82.2')	04/07/05	80.7'-82.2'	Bed Rock Water	TCL VOCs OLM04.2
Mitkem	BR-01 (93.7-95.2')	04/07/05	93.7'-95.2'	Bed Rock Water	TCL VOCs OLM04.2
Mitkem	Trip-01	04/07/05	NA	Trip Blank	TCL VOCs OLM04.2
Mitkem	B-1 (9.0')	05/02/05	9.0'	Subsurface soil	Full TCL/TAL + CN OLM04.2 & ILM04.1
Mitkem	B-6 (5.0')	05/03/05	5.0'	Subsurface soil	TCL VOC OLM04.2

TABLE 4
ANDERSON CLEANERS
5 HUNT ROAD
JAMESTOWN, NEW YORK
BCP #C907027

ANALYTICAL LABORATORY TESTING PROGRAM

LABORATORY UTILIZED	SAMPLE	DATE	DEPTH	MEDIA TYPE	LABORATORY ANALYSES WITH METHOD USED
Mitkem	B-4 (4.0')	05/04/05	4.0'	Subsurface soil	TCL VOC OLM04.2
Mitkem	B-7 (14.0')	05/04/05	14.0"	Subsurface soil	TCL VOC OLM0.42
Mitkem	B-3 (9.0')	05/05/05	9.0'	Subsurface soil	Full TCL/TAL+ CN* OLM04.2 & ILM04.1
Mitkem	B-3 (3.0")	05/05/05	3.0'	Subsurface soil	TCL VOC OLM04.2
Mitkem	Rinsate-2	05/05/05	NA	Equipment Rinsate	Full TCL/TAL + CN OLM04.2 & ILM04.1
Mitkem	B-8 (4.0')	05/23/05	4.0'	Subsurface Soil	TCL VOC OLM 0.42; TPH 310.13
Mitkem	B-11 (3.0')	05/23/05	3.0'	Subsurface Soil	TCL VOC OLM04.2
Mitkem	MW-01	05/25/05	NA	Groundwater	Full TCL/TAL+ CN* OLM04.2 & ILM04.1
Mitkem	MW-03	05/25/05	NA	Groundwater	TCL VOC OLM04.2
Mitkem	MW-04	05/25/05	NA	Groundwater	TCL VOC OLM04.2
Mitkem	MW-05	05/25/05	NA	Groundwater	TCL VOC OLM04.2
Mitkem	MW-06	05/25/05	NA	Groundwater	Full TCL/TAL +CN OLM04.2 & ILM04.1
Mitkem	MW-07	05/25/05	NA	Groundwater	Full TCL/TAL +CN OLM04.2 & ILM04.1; TPH 310.13
Mitkem	PW-3	05/25/05	NA	Groundwater	TCL VOC OLM04.2; TPH 310.13
Mitkem	MW-7	05/25/05	NA	Groundwater	TCL VOC OLM04.2; TPH 310.13
Mitkem	Rinsate-3	05/25/05	NA	Equipment Rinsate	Full TCL/TAL+ CN OLM04.2 & ILM04.1
Mitkem	Trip-02	05/25/05	NA	Trip Blank	TCL VOC OLM 04.2
Paradigm	PW-3	08/18/05	NA	Groundwater	TPH 310.13
Paradigm	MW-07	08/18/05	NA	Groundwater	TPH 310.13
Paradigm	MW-02	01/12/06	NA	Groundwater	VOC8260B
Paradigm	MW-03	01/12/06	NA	Groundwater	VOC8260B
Paradigm	MW-04	01/12/06	NA	Groundwater	VOC8260B
Paradigm	MW-05	01/12/06	NA	Groundwater	VOC8260B
Paradigm	MW-06	01/12/06	NA	Groundwater	VOC8260B
Paradigm	MW-07	01/12/06	NA	Groundwater	VOC8260B
Paradigm	PW-2	01/12/06	NA	Groundwater	VOC8260B
Paradigm	PW-3	01/12/06	NA	Groundwater	VOC8260B
Paradigm	TB-202	04/06/06	10'	Soil	VOC8260B
Paradigm	TB-205	04/06/06	8'	Soil	VOC8260B
Paradigm	MW-200	04/20/06	NA	Groundwater	VOC8260B
Paradigm	MW-201	04/20/06	NA	Groundwater	VOC8260B
Paradigm	MW-202	04/20/06	NA	Groundwater	VOC8260B
Paradigm	MW-203	07/12/06	NA	Groundwater	VOC8260 (8010 list)
Paradigm	PW-2	08/08/06	NA	Groundwater	VOC8260 (601 list)
Paradigm	PW-3	08/08/06	NA	Groundwater	VOC8260 (601 list)
Paradigm	MW-7.1	08/09/06	NA	Groundwater	VOC8260 (601 list)
Paradigm	MW-03	09/12/06	NA	Groundwater	VOC8260B
Paradigm	MW-07	09/12/06	NA	Groundwater	VOC8260B
Paradigm	PW-3	09/12/06	NA	Groundwater	VOC8260B
Paradigm	MW-7.1	09/12/06	NA	Groundwater	VOC8260B
Paradigm	BR-01-1	9/15/06	31.1'-32.6'	Groundwater	VOC8260B (8010 list)
Paradigm	BR-01-1	9/15/06	41.7'-43.2'	Groundwater	VOC8260B (8010 list)
Paradigm	BR-01-1	9/15/06	54.7'-56.2'	Groundwater	VOC8260B (8010 list)
Paradigm	BR-01-1	9/15/06	67.7'-69.2'	Groundwater	VOC8260B (8010 list)
Paradigm	BR-01-1	9/15/06	80.7'-82.2'	Groundwater	VOC8260B (8010 list)
Paradigm	BR-01-1	9/15/06	93.7'-95.2'	Groundwater	VOC8260B (8010 list)
Paradigm	TB209	12/28/06	14'	Soil	VOC8260B
Paradigm	TB211	12/28/06	5'	Soil	VOC8260B
Paradigm	MW-04	01/04/07	NA	Groundwater	VOC8260B (Halocarbons)
Paradigm	MW-06	01/04/07	NA	Groundwater	VOC8260B (Halocarbons)
Paradigm	MW-201	01/04/07	NA	Groundwater	VOC8260B (Halocarbons)
Paradigm	MW-07	01/04/07	NA	Groundwater	VOC8260B (Halocarbons)
Paradigm	MW-04	02/13/07	NA	Groundwater	VOC8260B
Paradigm	MW-06	02/13/07	NA	Groundwater	VOC8260B

TABLE 4
ANDERSON CLEANERS
5 HUNT ROAD
JAMESTOWN, NEW YORK
BCP #C907027

ANALYTICAL LABORATORY TESTING PROGRAM

LABORATORY UTILIZED	SAMPLE	DATE	DEPTH	MEDIA TYPE	LABORATORY ANALYSES WITH METHOD USED
Paradigm	MW-07	02/13/07	NA	Groundwater	VOC8260B
Paradigm	MW-201	02/13/07	NA	Groundwater	VOC8260B
Paradigm	MW-06	03/15/07	NA	Groundwater	VOC8260B
Paradigm	MW-07	03/15/07	NA	Groundwater	VOC8260B
Paradigm	MW-04	03/15/07	NA	Groundwater	VOC8260B
Paradigm	MW-201	03/15/07	NA	Groundwater	VOC8260B
Paradigm	MW-201	08/31/07	NA	Groundwater	VOC8260B
Paradigm	MW-201	11/08/07	NA	Groundwater	VOC8260B
Paradigm	MW-04	11/08/07	NA	Groundwater	VOC8260B
Paradigm	MW-201	04/02/08	NA	Groundwater	VOC8260B
Paradigm	BR-01-1	07/24/08	31.1 – 32.6	Groundwater	VOC8260B
Paradigm	BR-01-2	07/24/08	41.7 – 43.2	Groundwater	VOC8260B
Paradigm	BR-01-3	07/24/08	54.7 – 56.2	Groundwater	VOC8260B
Paradigm	BR-01-4	07/24/08	80.7 – 82.2	Groundwater	VOC8260B
Paradigm	BR-01-5	07/24/08	93.7 – 95.2	Groundwater	VOC8260B
Paradigm	MW-06	07/24/08	NA	Groundwater	VOC8260B
Paradigm	MW-04	07/24/08	NA	Groundwater	VOC8260B
Paradigm	MW-200	07/24/08	NA	Groundwater	VOC8260B
Paradigm	MW-201	07/24/08	NA	Groundwater	VOC8260B
Paradigm	MW-07	07/24/08	NA	Groundwater	VOC8260B
Paradigm	MW-7.1	07/24/08	NA	Groundwater	VOC8260B
Paradigm	MW-203	07/24/08	NA	Groundwater	VOC8260B
Paradigm	BR-02FR	01/15/10	NA	Groundwater	VOC8260B
Paradigm	BR-02R	01/15/10	NA	Groundwater	VOC8260B
Paradigm	BR-03R	01/15/10	NA	Groundwater	VOC8260B
Paradigm	MW-04	01/15/10	NA	Groundwater	VOC8260B
Paradigm	BR-02FR	05/05/10	NA	Groundwater	VOC8260B
Paradigm	BR-02R	05/05/10	NA	Groundwater	VOC8260B
Paradigm	BR-03R	05/05/10	NA	Groundwater	VOC8260B
Paradigm	MW-04	05/05/10	NA	Groundwater	VOC8260B

Full TCL/TAL + CN = Full Target compound list/target analyte list and cyanide via ASP Methods OLM04.2 and ILM04.1
TAL Metals = Target analyte list metals and cyanide
Full TCL/TAL = Full target compound list / target analyte list parameters
NA = Not applicable
* = MS/MSD performed
TCL VOC = Target compound list volatile organic compounds via ASP Method OLM04.2
Comp = Composite sample from 0.0-8.0’ below grade

TABLE 5A

ANDERSON CLEANERS
5 HUNT AVENUE
JAMESTOWN, NEW YORK

SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUND (VOC)
TEST RESULTS IN PARTS PER BILLION (PPB)

SOIL SAMPLES COLLECTED 8/4/03 AND 9/3/03, 4 /6/06 AND 12/28/06

Constituent	SAMPLE LOCATION AND DESIGNATION (SAMPLES TESTED FOR TETRACHLOROETHENE ONLY)								Unrestricted	Restricted
	TB-1* (2-4')	TB-2* (2-4')	TB-2* (4-6')	TB-6* (2-4')	TB-13* (6-7.7')	TB-17* (8-10')	TB-19* (8-10')	Sediment Sample*	Use SCO (PPB)[1]	Comm. Use SCO (PPB)[1]
Tetrachloroethene	43.9	298	U (11.5)	U (8.12)	22.0	42.9	52.9	U (14.1)	1,300	150,000

Constituent	SAMPLE LOCATION AND DESIGNATION					NYCRR	NYCRR
	TB-3 ** (2-4')	TB-4** (4-7')	TB-10 * (8-10')	TB-15 * (8-10')	TB-21 * (6-7.7')	Part 375 Unrestr'd Use SCO (PPB)[1]	Restricted Comm. Use SCO (PPB) [1]
cis-1,2-Dichloroethene	**31,000** E	**1,440**	NT	NT	NT	250	500,000
trans-1,2-Dichloroethene	**440**	98.7	U (129,000)	U (9.14)	U (8.01)	190	500,000
Tetrachloroethene	**6,350**	**3,060**	**1,660,000**	317	27.7	1,300	150,000
Trichloroethene	**4,450**	458	U (129,000)	49.5	U (8.01)	470	200,000
Vinyl Chloride	**692**	U (49.6)	U (129,000)	U (9.14)	U (8.01)	20	13,000
Toluene	U (179)	144	U (129,000)	U (9.14)	U (8.01)	700	500,000
m,p-Xylene	U (179)	148	U (129,000)	U (9.14)	U (8.01)	260***	500,000***
o-Xylene	U (179)	50.0	U (129,000)	U (9.14)	U (8.01)	260***	500,000***

(1) = Soil Cleanup Objective are as referenced in 6 NYCRR Part 375-6, Remedial Program Cleanup Objectives, dated December 14, 2006.
* = Sample tested using USEPA Method 8021B.
** = Sample tested using USEPA Method 8260B.
*** = SCO is for mixed xylenes.
U = Not Detected at the concentration shown in parenthesis
E = Estimated Concentration.
NT = Compound not tested.
440 = Bold denotes a reported concentration that exceeds the Unrestricted Use SCO.

1,660,000 = yellow shading denotes a reported concentration that exceeds both the Unrestricted Use SCO and the Restricted Commercial Use SCO.

TABLE 5A (Continued)

Summary of Detected VOCs in ug/Kg or Parts per Billion (ppb)
Soil Samples
Collected 5/2/05 through 5/5/05, 5/23/05, 4/6/06 and 12/28/06

Detected VOC (ppm)	Part 375 Unrestr'd Use SCO (PPB)(1)	Part 375 Restricted Comm. Use SCO (PPB)(1)	Sample Desigantion and Sample Depth											
			B-1 (9.0')	B-4 (4.0')	B-6 (5.0')	B-7 (14.0')	B-3 (3.0')	B-3 (9.0')	B-11 (3.0')	B-8 (4.0')	TB-202 (10')	TB-205 (8')	TB-209 (14.0')	TB-211 (5.0')
Xylene (Total)	260	500,000	2 J	**1,800**	U	U	10 J	U	U	36 J	NE	NE	NE	NE
Methylcyclohexane	NA	NA	U	39 J	U	U	17 J	U	U	4 J	NE	NE	NE	NE
Ethylbenzene	1,000	390,000	U	37 J	U	U	6 J	U	U	4 J	NE	NE	NE	NE
Isopropylbenzene	NA	NA	U	230	U	U	U	U	U	3 J	NE	NE	NE	NE
Vinyl Chloride	20	13,000	U	U	3 J	U	**50** J	U	U	**320** J	U	U	U	U
Acetone	50	500,000	U	U	8 J	U	UJ	U	**79** J	20 J	NE	NE	NE	NE
cis-1,2-Dichloroethene	250	500,000	U	U	45	U	**1,100**	1 J	2 J	**890** DJ	NE	NE	NE	NE
Trichloroethene	470	200,000	U	U	27	U	**41,000** DJ	5 J	1 J	**790** DJ	U	U	U	U
Tetrachloroethene	1,300	150,000	U	U	14	U	**1,000,000** D	**14,000** DJ	9 JB	**25,000** DJ	12,200	U	**9,680,000**	**10,500**
Chlorobenzene	1,100	500,000	U	U	U	U	8 J	U	U	2 J	U	U	U	U
Methylene Chloride	50	500,000	U	U	U	U	14 J	4 J	U	U	U	U	U	U
2-Butanone	NA	NA	U	U	U	U	U	U	24	U	NE	NE	NE	NE
1,1-Dichloroethene	330	500,000	U	U	U	U	U	U	U	18 J	U	U	U	U
Carbon Disulfide	NA	NA	U	U	U	U	U	U	U	14 J	NE	NE	NE	NE
Trans-1,2-dichloroethene	190	500,000	U	U	U	U	U	U	U	74 J	NE	NE	NE	NE
1,1-Dichloroethane	270	240,000	U	U	U	UJ	U	U	U	2 J	U	U	U	U
Cyclohexane	NA	NA	U	U	U	U	U	U	U	2 J	NE	NE	NE	NE
1,1,1-Trichloroethane	680	500,000	U	U	U	U	14 J	U	U	U	U	U	U	U
Toluene	700	500,000	U	U	U	U	8 J	U	U	15 J	NE	NE	NE	NE

(1) = Soil Cleanup Objective are as referenced in 6 NYCRR Part 375-6, Remedial Program Cleanup Objectives, dated December 14, 2006.

NA = Not available.

TIC = Tentatively identified compound.

41,000 = Exceeds Unrestricted Use SCO.

1,000,000 = Exceeds Unrestricted Use SCO and Restricted Commercial Use SCO

J = Estimated value.

D = Compound identified in an analysis at a secondary dilution factor.

U = Not detected at concentration above reported analytical laboratory detection limit.

N= Indicates presumptive evidence of tentatively identified compound.

E = Compound concentration exceeded Calibration Range, however diluted sample was reported as not detected. Therefore, non-diluted sample result was reported

NE = Parameter was not Evaluated

Table 5B
ANDERSON CLEANERS
5 HUNT ROAD, JAMESTOWN, NEW YORK
BCP # C907027

Summary of Detected SVOCs and TPHs in ug/Kg or Parts per Billion (ppb)

Soil Samples Collected 5/2/05 through 5/5/05 and 5/23/05

Detected Compound	Part 375 Unrestricted Use SCO (PPB) (1)	Part 375 Restricted Commercial Use SCO (PPB) (1)	B-1 (9.0')		B-3 (9.0')		B-8 (4.0')	
Di-n-butyl phthalate	NA	NA	38	J	47	J	U	
bis (2-Ethylhexyl) phthalate	NA	NA	99	J	74	J	U	
TPH	NA	NA	U		U		250	

NA = Not available

(1) = SCOs are as referenced in 6 NYCRR Part 375-6, Remedial Program Soil Cleanup Objectives

J = Estimated value

U = Not detected at concentration above reported analytical laboratory detection limit

TPH = Total Petroleum Hydrocarbons Sample B-8 (4.0') best matches chromatograms for a mixture of three petroleum products, two being typical diesel fuel and motor oil. The third product has a boiling point in the range of gasoline, however the pattern of resolved and unresolved peaks has a pattern similar to keosene or jet fuel.

Table 5B Continued

Summary of Detected PCBs and Pesticides in ug/Kg or Parts per Billion ppb)

Soil Samples Collected 5/2/05 through 5/5/05 and 5/23/05

Detected Compound	Part 375 Unrestricted Use SCO (PPB) (1)	Part 375 Restricted Commercial Use SCO (PPB) (1)	B-1 (9.0')		B-3 (9.0')	
gamma-BHC (Lindane)	100	9,200	11		U	
Heptachlor	42	15,000	12		U	
Aldrin	5	680	14		U	
Dieldrin	5	1,400	26		U	
Endrin	14	89,000	28		U	
4,4'-DDT	3.3	47,000	24		2.5	J
4,4'-DDE	3.3	62,000	U		11	
4,4'-DDD	3.3	92,000	U		30	
PCBs	100	1,000	U		U	

NA = Not Available

U = Not detected at concentration above reported analytical laboratory detection limits.

J = Estimated Value.

(1) = SCOs are as referenced in 6 NYCRR Part 375-6, Remedial Program Soil Cleanup Objectives

Table 5B Continued

Summary of Target Analyte List Metals and Cyanide in mg/Kg or Parts per Million (ppm)

Soil Samples Collected 5/2/05 through 5/5/05 and 5/23/05

Detected Analyte	Part 375 Unrestricted Use SCO (PPM) (1)	Part 375 Restricted Commercial Use SCO (PPM) (1)	B-1 (9.0')		B-3 (9.0')	
Aluminum	NA	NA	9940		6640	
Antimony	NA	NA	U		U	N
Arsenic	13	16	11.4		**13.8**	*
Barium	350	400	137		65.1	
Beryllium	7	590	0.47	B	0.27	B
Cadmium	3	9	0.31	B	0.28	B
Calcium	NA	NA	15300		45400	*
Chromium (hex/tri)	1.0/30	400/1,500	14.3		9.5	*
Cobalt	NA	NA	10.2		5.7	B
Copper	50	270	20.5		25.2	J
Iron	NA	NA	22000		18900	*
Lead	63	1,000	27.1		11	
Magnesium	NA	NA	6890		8650	*
Manganese	1,600	10,000	446		583	*
Mercury	0.18	3	U		U	
Nickel	30	310	22.2		12.6	
Potassium	NA	NA	1120		704	B
Selenium	3.9	1,500	U		U	N
Silver	2	1,500	U		U	N
Sodium	NA	NA	78.6	B	108	B
Thallium	NA	NA	U		U	
Vanadium	NA	NA	13.1		12.2	
Zinc	109	10,000	64.2	J	58.0	
Cyanide	27	27	U		U	

(1) SCOs are as referenced in 6NYCRR Part 375-6, Remedial Program Soil Cleanup Objectives, dated December 14, 2006.

13.8 = Exceeds Unrestricted Use SCO

E = Reported value estimated due to interference

B= Reported value less than contract required detection limit, but greater than instrument detection limit

N = Spiked sample recovery not within control limits

* = Duplicate analysis not within control limits

U = Not detected at concentration above reported analytical laboratory detection limit

Table 6A

Summary of Analytical Laboratory Results
Groundwater Samples

Anderson Cleaners Site
Jamestown, New York
BCP Site C907027

	Sample Locations and Sample Dates																					
	MW-01	MW-02	MW-03			MW-04									MW-05		MW-06					
Constituent	5/25/2005	1/12/2006	5/25/2005	1/12/2006	9/12/2006	5/25/2005	1/12/2006	1/4/2007	2/13/2007	3/15/2007	11/8/2007	7/24/2008	1/15/2010	5/5/2010	5/25/2005	1/12/2006	5/25/2005	1/12/2006	1/4/2007	2/13/2007	3/15/2007	7/24/2008
PCE	U (10)	2,090	1,400	1,040	1,560	1,200	1,230	1,820	1,120	904	189	734	837	694	2 E	U (2)	620	392	369	256	246	329
TCE	U (10)	U (20)	U (10)	U (20)	U (20)	1 E	U (20)	U (200)	U (200)	U (100)	1,220	113	34.9	31.4	U (10)	U (2)	1 E	U (10)	U (4)	U (5)	U (5)	U (5)
trans 1,2-DCE	U (10)	U (20)	U (10)	U (20)	U (20)	U (10)	U (20)	U (200)	U (200)	U (100)	187	U (20)	U (20)	U (20)	U (10)	U (2)	U (10)	U (10)	U (4)	U (5)	U (5)	U (5)
cis 1,2-DCE	U (10)	-	U (10)	-	-	U (10)	-	U (200)	U (200)	U (100)	3,830	101	24.6	28.6	U (10)	-	U (10)	-	U (4)	U (5)	U (5)	U (5)
VC	U (10)	U (20)	U (10)	U (20)	U (20)	U (10)	U (20)	U (200)	U (200)	U (100)	U (100)	U (20)	U (20)	U (20)	U (10)	U (2)	U (10)	U (10)	U (4)	U (5)	U (5)	U (5)
Total VOCs	0	2,090	1,400	1,040	1,560	1,201	1,230	1,820	1,120	904	5,426	948	896.5	754	2	0	621	392	369	256	246	329

Notes:

All samples tested for halogenated VOCs by USEPA Method 8260B and concentrations are shown in ug/L or parts per billion.

U (200) = constituent not detected at the concentration shown in parenthesis.

E = estimated concentration

PCE = tetrachloroethene

TCE = trichloroethene

trans 1,2-DCE = trans 1,2-dichloroethene

cis 1,2-DCE = cis 1,2-dichloroethene

VC = vinyl chloride

Table 6A

Summary of Analytical Laboratory Results
Groundwater Samples

Anderson Cleaners Site
Jamestown, New York
BCP Site C907027

	Sample Locations and Sample Dates																						
	MW-07							PW-2			PW-3					MW-7			MW-7.1			MW-200	
Constituent	5/25/2005	1/12/2006	9/12/2006	1/4/2007	2/13/2007	3/15/2007	7/24/2008	10/21/2004	1/12/2006	8/8/2006	10/21/2004	5/25/2005	1/12/2006	8/8/2006	9/12/2006	11/23/2003	10/21/2004	5/25/2005	8/9/2006	9/12/2006	7/24/2008	4/20/2006	7/24/2008
PCE	9,600 E	8,590	9,170	5,310	6,440	4,240	11,600	91,400	29,700	50,400	108,000	74,000	64,700	34,100	23,100	53,300	53,700	73,000	113,000	120,000	78,100	U (2.0)	U (2.0)
TCE	6,500	U (200)	U (200)	U (200)	U (200)	U (200)	U (200)	U (2000)	U (1000)	U (1000)	9,070	8,100	7,360	8,150	9,040	U (1000)	U (2000)	81	U (1000)	U (1000)	1,120	U (2.0)	U (2.0)
trans 1,2-DCE	61	U (200)	U (200)	U (200)	U (200)	U (200)	U (200)	U (2000)	U (1000)	U (1000)	U (2000)	290 E	U (1000)	U (1000)	U (400)	U (1000)	U (2000)	U (10)	U (1000)	U (1000)	U (1000)	U (2.0)	U (2.0)
cis 1,2-DCE	7,100	-	-	U (200)	U (200)	U (200)	245	U (2000)	-	-	72,500	57,000	-	-	-	-	U (2000)	95	-	-	U (1000)	-	4.56
VC	1,000	U (200)	U (200)	U (200)	U (200)	U (200)	U (200)	U (2000)	U (1000)	U (1000)	13,800	12,000	17,900	20,400	5,490	U (1000)	U (2000)	2 E	U (1000)	U (1000)	U (1000)	U (2.0)	U (2.0)
Total VOCs	24,261	8,590	9,170	5,310	6,440	4,240	11,845	91,400	29,700	50,400	203,370	151,390	89,960	62,650	37,630	53,300	53,700	73,178	113,000	120,000	79,220	0	4.56

Notes:

All samples tested for halogenated VOCs by USEPA Method 8260B and concentrations are shown in ug/L or parts per billion.

U (200) = constituent not detected at the concentration shown in parenthesis.

E = estimated concentration

PCE = tetrachloroethene

TCE = trichloroethene

trans 1,2-DCE = trans 1,2-dichloroethene

cis 1,2-DCE = cis 1,2-dichloroethene

VC = vinyl chloride

Table 6A

Summary of Analytical Laboratory Results
Groundwater Samples

Anderson Cleaners Site
Jamestown, New York
BCP Site C907027

	Sample Locations and Sample Dates																	
	MW-201									MW-202	MW-203		BR-02 FR		BR-02 R		BR-03 R	
Constituent	4/24/2006	1/4/2007	2/13/2007	3/15/2007	8/31/2007	11/8/2007	4/2/2008	7/24/2008	12/20/2008	4/20/2006	7/12/2006	7/24/2008	1/15/2010	5/5/2010	1/15/2010	5/5/2010	1/15/2010	5/5/2010
PCE	10,500	14,200	2,610	423	1,000	402	U (100)	U (200)	U (200)	U (2.0)	U (2.0)	U (2.0)	15,000	30,000	334	371	115	37
TCE	970	U (200)	17,500	937	772 E	232	U (100)	U (200)	U (200)	U (2.0)	U (2.0)	U (2.0)	U (200)	U (400)	79.8	550	221	18
trans 1,2-DCE	U (200)	U (200)	1,290	94.4	361 E	141	U (100)	U (200)	U (200)	U (2.0)	U (2.0)	U (2.0)	U (200)	U (400)	U (20)	U (20)	U (20)	U (2)
cis 1,2-DCE	-	U (200)	7,860	U (20)	16,000	9,130	4,040	7,820	752	-	-	3.66	U (200)	U (400)	U (20)	U (20)	468	124
VC	U (200)	U (200)	U (200)	U (20)	566 E	1,180	1,710	4,260	1,050	U (2.0)	3.38	U (2.0)	U (200)	U (400)	79.0	115	U (20)	U (2)
Total VOCs	11,470	14,200	29,260	1,454	18,699	11,085	5,750	12,080	1,804	0	3.38	3.66	15,000	30,000	492.8	1,036	804	179

Notes:

All samples tested for halogenated VOCs by USEPA Method 8260B and concentrations are shown in ug/L or parts per billion.

U (200) = constituent not detected at the concentration shown in parenthesis.

E = estimated concentration

PCE = tetrachloroethene

TCE = trichloroethene

trans 1,2-DCE = trans 1,2-dichloroethene

cis 1,2-DCE = cis 1,2-dichloroethene

VC = vinyl chloride

Table 6A

Summary of Analytical Laboratory Results
Groundwater Samples

Anderson Cleaners Site
Jamestown, New York
BCP Site C907027

	Sample Location: BR-01 and Sample Depth Intervals/Dates																	
	31.1 - 32.6			41.7 - 43.2				54.7 - 56.2			67.7 - 69.2		80.7 - 82.2			93.7 - 95.2		
Constituent	**4/7/2005**	**9/15/2006**	**7/24/2008***	**4/7/2005**	**5/24/2006**	**9/15/2006**	**7/24/2008***	**4/7/2005**	**9/15/2006**	**7/24/2008***	**4/7/2005**	**9/15/2006**	**4/7/2005**	**9/15/2006**	**7/24/2008***	**4/7/2005**	**9/15/2006**	**7/24/2008***
PCE	7,100	7,030	8,190	10,000	7,610 E	8,440	9,460	2,900	150	5,270	230	154	190	165	U (200)	96	4,500	U (200)
TCE	3,400	U (200)	1,790	3,300	1,650	931	2,270	1,600	95.1	2,750	200	47.8	47	113	U (200)	18	2,800	U (200)
trans 1,2-DCE	12	U (200)	U (200)	14	U (50)	U (200)	U (200)	6 E	U (2.0)	U (200)	4 E	U (2.0	2 E	U (2.0)	U (200)	1 E	U (200)	U (200)
cis 1,2-DCE	1,700	U (200)	498	1,700	-	U (200)	704	910	69.8	1,650	420	137	490	242	4,960	27	1,850	4,930
VC	260	U (200)	495	280 E	163	U (200)	479	150	14.1	362	21	5.23	17 E	13.6	307	3 E	U (200)	312
Total VOCs	12,472	7,030	10,973	15,294	9,423	9,371	12,913	5,566	329	10,032	875	344.03	746	533.6	5,267	145	9,150	5,242

All samples tested for halogenated VOCs by USEPA Method 8260B and concentrations are shown in ug/L or parts per billion.

U (200) = constituent not detected at the concentration shown in parenthesis.

E = estimated concentration

PCE = tetrachloroethene

TCE = trichloroethene

trans 1,2-DCE = trans 1,2-dichloroethene

cis 1,2-DCE = cis 1,2-dichloroethene

VC = vinyl chloride

* Sample intervals are approximately 1.3 feet higher than shown during the7/24/2008 sample round.

Table 6B
ANDERSON CLEANERS
5 HUNT ROAD, JAMESTOWN, NEW YORK
BCP # C907027

SUMMARY OF SVOC, TPH, PESTICIDE, AND PCB RESULTS IN ug/L OR ppb

Groundwater Samples Collected 5/25/2005

Detected Compound	Groundwater Standard or Guidance Value	MW-01 (05/25/05)	MW-06 (05/25/05)	MW-07 (05/25/05)	PW-3 (05/25/05)
TOTAL SVOC*	NA	U	U	U	U
TPH	NA			0.86	1.1
4,4'DDE	0.2	U	U	0.065 J	NT
4,4'DDD	0.3	U	U	0.27	NT
Total Aroclors (PCBs)	0.09	U	U	U	NT

NA = Not available

NT = Sample not tested for this constituent

J = Estimated value

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

100 = Exceeds groundwater standard or guidance value

U = Not detected at concentrations above reported analytical laboratory detection limits

* = Does not include constituents that were detected in associated blank as well as in the sample.

TPH = Total Petroleum Hydrocarbons (Sample BW-07) best matches chromatograms for kerosene or jet fuel. Sample PW-3 best matches chromatograms for a single chemical component rather than for a petroleum product.

Table 6B Continued

SUMMARY OF TAL METALS AND CYANIDE IN mg/L OR ppm

Groundwater Samples Collected 5/25/2005

Detected Analyte	Groundwater Standard or Guidance Value (1)	MW-01 (05/25/05)		MW-06 (05/25/05)		MW-07 (05/25/05)	
Aluminum	NA	69100		828		17700	
Antimony	3	**4.9**	J	UJ		**4.1**	J
Arsenic	25	**96.4**		U	N	**32.4**	
Barium	1000	**3690**	J	381	J	942	J
Beryllium	3	**4.1**	B	U		0.92	B
Cadmium	5	2.5	B	U		0.63	B
Calcium	NA	335000		133000		191000	
Chromium	50	**95.7**		1	B	25	
Cobalt	NA	89.1	J	1.3	UJ	17	J
Copper	200	196		1.7	B	49.1	
Iron	300	**134000**	J	**1170**	J	**40500**	J
Lead	25	**144**	J	UJ		**50.9**	J
Magnesium	35000	**87000**	J	29200	J	**42000**	J
Manganese	300	**10300**	J	98.8	J	**3330**	J
Mercury	0.7	U		U		U	
Nickel	100	**151**	J	2.5	J	31.1	J
Potassium	NA	11500		1830	B	7510	
Selenium	10	U	N	U	N	U	N
Silver	50	U	N	U	N	U	N
Sodium	20000	**130000**		**52000**		**91700**	
Thallium	0.5	**4.0**	B	U		U	
Vanadium	NA	82.5	J	0.94	UJ	31.7	UJ
Zinc	2000	413	J	10.2	UJ	154	J
Cyanide	200	U		U		U	

(1) = Groundwater standard or guidance value as referenced in NYSDEC TOGS 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000

4.0 = Exceeds groundwater standard or guidance value

NA = No groundwater standard or guidance value

E = Reported value estimated due to interference

B = Reported value less than contract required detection limit, but greater than instrument detection limit

N = Spiked sample recovery not within control limits

U = Not detected at concentrations above reported analytical laboratory detection limits

J = Estimated Value.

TABLE 7
ANDERSON CLEANERS
5 HUNT ROAD
JAMESTOWN, NW YORK

HYDRAULIC CONDUCTIVITY TESTING, AUGUST 18, 2005

Super Slug Hydraulic Conductivity Testing				
Monitoring Well ID	**Confined/ Unconfined**	**Type**	**K**	**Units**
MW-01	Unconfined	Slug Out	2.80E-03	cm/sec
MW-03	Unconfined	Slug In	9.90E-03	cm/sec
MW-03	Unconfined	Slug Out	2.90E-02	cm/sec
MW-05	Unconfined	Slug In	5.20E-03	cm/sec
MW-05	Unconfined	Slug Out	5.30E-03	cm/sec
MW-05	Confined	Slug Out	2.70E-03	cm/sec
MW-06	Unconfined	Slug In	9.10E-03	cm/sec
MW-06	Unconfined	Slug Out	8.70E-03	cm/sec

K = Hydraulic Conductivity

Anderson Cleaners
Jamestown, New York
BCP# C907027

Table 8

Summary of Groundwater Measurements/Elevations

Monitoring Well	Ground Surface Elevation (ft)	Stick-up (ft)	Monitoring Point Elev. (ft)	1/12/2006			4/20/2006			6/28/2006			9/12/2006			9/27/2006			2/13/2007			3/9/2007			3/15/2007			5/4/2007		
				Time	SWL (ft)	GW Elev. (ft)	Time	SWL (ft)	GW Elev. (ft)	Time	SWL (ft)	GW Elev. (ft)	Time	SWL (ft)	GW Elev. (ft)	Time	SWL (ft)	GW Elev. (ft)	Time	SWL (ft)	GW Elev. (ft)	Time	SWL (ft)	GW Elev. (ft)	Time	SWL (ft)	GW Elev. (ft)	Time	SWL (ft)	GW Elev. (ft)
MW-6	100.17	0.75	100.92		1.74	99.18											1.92	99.0									13:03	1.79	99.13
MW-7.1	97.63	-0.12	97.51					0.2 (g)	97.43		0.42 (g)	97.21	15:33	0	97.51		3.75	93.76										12:14	0.28 (g)	97.35
MW-8	101.18	0.63	101.81		2.57	99.24																					13:08	2.63	99.18
MW-07	97.56	3.53	101.09		4.95	96.14					5.69	95.4	17:48	1.76	99.33		5.05	96.04	15:26	5.11	95.98				13:40	4.7	96.39	12:06	5.13	95.96
MW-08	99.47	3.5	102.97		5.04	97.93											5.04	97.93									10:48	5.42	97.55
PW-2	100.47	-0.3	100.17		0.83	99.34							14:37	1.32	98.85		1.23	98.94									12:49	1.3 (g)	99.17
PW-3	100.47	-0.34	100.13		1.46	98.67					2.06	98.07	16:40	1.27	98.86		1.74	98.39									12:50	1.94 (g)	98.53
IP-1	100.18	1.55	100.73																								13:00	2.64	98.09
MW-200	96.03	-0.13	95.9				10:52	1.40 (g)	94.63		1.62	94.28															13:20	0.91(g)	95.12
MW-201	95.63	-0.4	95.23				12:51	3.28 (g)	92.35		1.65	92.58					2.2	93.03	12:39	3.6	91.63				16:30	3.98	91.25	11:32	2.88	92.35
MW-202	95.61	-0.39	95.22				13:11	5.02 (g)	90.59		4.6	90.62					4.13	91.09									13:26	4.81(g)	90.8
MW-203	95.43	-0.35	95.08								5.3	89.78					4.88	90.2									11:38	5.22	89.86
MW-204	100.1	-0.23	99.87				14:26	0.76	99.11				18:00	0.89	98.98		0.62	99.25									12:58	0.14	99.73
MW-205	99.97	1.93	101.9																								12:41	2.61	99.29
MW-206	97.83	-0.5	97.33																								11:53	1.28	96.05
MW-207	98.46	2.25	100.71																			12:20	5.07	95.64			12:37	5.15	95.56
MW-208	96.97	3.12	100.09																								11:48	4.99	95.1
MW-209	100.38	1.77	102.15																								12:44	2.63	99.52
MW-01	102.02	4.92	106.94*		+ 1.25 (g)	103.27					0.5 (g)	101.52															10:41	4.87	102.07
MW-02	99.61	2.55	102.16		+ 2.17 (g)	101.78																10:51	0.79	101.37			12:53	0.82	101.34
MW-03	97.72	4.15	101.87*		+ 3.5 (g)	101.22					+1.7 (g)	99.42	17:20	+ 2.5 (g)	100.22												12:05	0.79	101.08
MW-04	97.59	3.69	101.28*		+ 3.02 (g)	100.61					+1.3 (g)	98.89							13:58	+ 3.26 (g)	100.85				14:39	+ 3.42 (g)	101.01	11:05	0.79	100.49
MW-05	97.13	3.9	101.03*		+ 2.33 (g)	99.46					+1.1 (g)	98.23															10:59	1.04	99.99
MW-06	97.01	4.83	101.84*		+ 3.3 (g)	100.31					+1.5 (g)	98.51							11:00	+ 2.67 (g)	99.68				12:45	+ 3.70 (g)	105.54	11:45	1.63	100.21
BR-1	97.65	0	97.65																								12:12	0.17	97.48

Notes:

SWL - Static water level measured from monitoring point unless noted with "(g)" to indicate measurement was taken from the ground surface.

Stick-up - If negative value, the monitoring well is flush-mounted and the monitoring point is below grade.

*Well casing is removable (due to flowing artesian conditions). As such, stick-up may vary between monitoring events.

If a column is blank, no SWL was measured and/or time of reading was not recorded.

Anderson Cleaners
Jamestown, New York
BCP# C907027

Table 8

Summary of Groundwater Measurements/Elevations

Monitoring Well	Ground Surface Elevation (ft)	Stick-up (ft)	Monitoring Point Elev. (ft)	6/1/2007			7/6/2007			8/31/2007			11/30/2007			5/16/2008			5/21/2008			7/2/2008			7/23/2008			9/19/2008		
				Time	SWL (ft)	GW Elev. (ft)	Time	SWL (ft)	GW Elev. (ft)	Time	SWL (ft)	GW Elev. (ft)	Time	SWL (ft)	GW Elev. (ft)	Time	SWL (ft)	GW Elev. (ft)	Time	SWL (ft)	GW Elev. (ft)	Time	SWL (ft)	GW Elev. (ft)	Time	SWL (ft)	GW Elev. (ft)	Time	SWL (ft)	GW Elev. (ft)
MW-6	100.17	0.75	100.92	12:59	2.09	98.83				10:28	2.26	98.66	10:38	1.72	99.2	10:53	1.88	99.04				11:21	1.91	99.01	15:53	2.24	98.68	10:18	2.53	98.39
MW-7.1	97.63	-0.12	97.51	12:53	0.5	96.99	11:03	0.87	96.64	10:09	0.58(g)	97.05	10:23	0.21(g)	97.42										11:55	0.15(g)	97.48	10:03	0.84(g)	96.79
MW-8	101.18	0.63	101.81	13:01	2.96	98.85				10:35	3.18	98.63	11:49	2.52	99.29							11:19	2.70	99.11	15:46	3.02	98.79	10:20	3.41	98.4
MW-07	97.56	3.53	101.09	12:43	5.3	95.79	10:46	5.64	95.45	10:07	5.33	95.76	10:58	4.85	96.24	11:07	4.92	96.17				11:28	2.16	98.93	11:52	5.03	95.06	10:05	5.32	95.77
MW-08	99.47	3.5	102.97	12:34	5.55	97.42				09:58	5.50	97.47	10:43	5.13	97.84							11:15	4.99	97.98	15:50	5.41	97.56	10:25	5.78	97.19
PW-2	100.47	-0.3	100.17	13:03	1.47(g)	99				10:29	1.67(g)	98.80	10:17	1.16(g)	99.31				13:00	1.30(g)	99.17				15:30	1.63(g)	98.84	10:33	1.98(g)	98.49
PW-3	100.47	-0.34	100.13	13:06	1.92(g)	98.55				10:32	2.21(g)	98.26	10:20	1.90(g)	98.57				10:41	1.97(g)	98.50				15:25	2.28(g)	98.19	10:30	2.54(g)	97.93
IP-1	100.18	1.55	100.73	12:58	2.99	97.74				10:27	3.09	97.64	10:37	2.74	97.99	10:52	2.72	98.01				11:23	2.83	97.90				10:17	3.27	97.46
MW-200	96.03	-0.13	95.9	13:23	1.51(g)	94.52				10:45	1.44(g)	94.59	11:17	0.38	95.52										10:59	1.06	94.84	10:37	1.47	94.43
MW-201	95.63	-0.4	95.23	13:11	3.29(g)	92.34	11:40	3.33(g)	92.30	10:51	2.88	92.35	11:27	2.76(g)	92.87	11:43	2.46	92.77							11:27	3.0(g)	92.63	10:41	3.02(g)	92.61
MW-202	95.61	-0.39	95.22	13:19	4.95(g)	90.66				10:55	4.73(g)	90.88	11:28	4.51(g)	91.1										12:54	5.85(g)	89.76	10:49	4.97(g)	90.64
MW-203	95.43	-0.35	95.08	13:14	5.16	89.92				10:58	4.83	90.39	11:38	4.71	90.37										12:52	5.92	89.16	10:52	5.02	90.06
MW-204	100.1	-0.23	99.87	14:29	0.6	99.23	11:21	0.91	98.96	10:25	0.79	99.08	10:36	0.58	99.29							11:24	0.4(g)	99.70	15:54	0.85	99.02	10:16	1.04	98.83
MW-205	99.97	1.93	101.9	12:54	2.36	99.54				10:23	2.57	99.33	10:32	1.98	99.92	10:50	2.20	99.70				11:26	2.06	99.84	15:40	2.2	99.7	9:56	2.88	99.02
MW-206	97.83	-0.5	97.33	12:48	1.6	95.73	11:00	2.39(g)	95.44	10:14	1.62(g)	95.71	11:00	1.60(g)	96.23													9:58	2.44(g)	95.39
MW-207	98.46	2.25	100.71	14:32	4.87	95.84	10:57	5.65	95.06	10:21	4.94	95.77	10:34	4.44	96.27	10:51	4.56	96.15				11:03	0.79(1)	99.92	15:43	4.67	96.04	9:57	4.96	95.75
MW-208	96.97	3.12	100.09	12:39	5.26	94.83	11:12	5.57	94.52	10:18	5.23	94.86	11:59	4.97	95.12													13:42	5.71	94.38
MW-209	100.38	1.77	102.15	12:56	2.61	99.54				10:24	2.75	99.40	10:31	2.29	99.86	10:49	2.51	99.64				11:25	2.38	99.77	15:38	2.41	99.74	9:55	3.07	99.08
MW-01	102.02	4.92	106.94*	12:30	4.37	10.257				09:53	5.33	101.61	10:41	3.7	103.24							11:17	4.27	102.67	15:48	4.88	102.06	10:22	5.79	101.15
MW-02	99.61	2.55	102.16	14:26	1.36	100.8	11:15	2.21	99.95	10:25	2.05	100.11																		
MW-03	97.72	4.15	101.87*	12:45	1.47	100.4	10:50	2.24	99.63	10:05	2.10	99.77	12:19	0.92	100.95	11:09	0.91	100.96				11:29	1.08	100.79				10:06	2.48	99.39
MW-04	97.59	3.69	101.28*	12:38	1.46	99.82	11:04	2.28	99.00	10:03	2.02	99.26	10:52	0.9	100.38	10:58	0.93	100.35				11:10	1.08	100.20	10:23	3.65	97.63	10:11	2.4	98.88
MW-05	97.13	3.9	101.03*	12:36	1.77	99.26	11:25	2.20	98.83	10:00	2.26	98.77	10:45	1.46	99.57	10:59	1.18	99.85				11:13	1.38	99.65	11:35	3.84	97.19	10:27	2.65	98.38
MW-06	97.01	4.83	101.84*	12:41	2.29	99.55	11:07	3.03	98.81	10:20	2.92	98.92	10:55	1.76	100.08	10:57	1.71	100.13				11:07	1.96	99.88	9:45	4.79	97.05	10:13	3.27	98.57
BR-1	97.65	0	97.65	14:25	1.54	96.11	11:43	2.62	95.03	10:08	2.83	94.82	11:05	1.19	96.46				10:01	1.88	96.44				15:15	2.1	96.22	10:28	3.6	94.72

Notes:

SWL - Static water level measured from monitoring point unless noted with "(g)" to indicate measurement was taken from the ground surface.

Stick-up - If negative value, the monitoring well is flush-mounted and the monitoring point is below grade.

*Well casing is removable (due to flowing artesian conditions). As such, stick-up may vary between monitoring events.

If a column is blank, no SWL was measured and/or time of reading was not recorded.

RLK4033

Table 8

Anderson Cleaners
Jamestown, New York
BCP# C907027

Summary of Groundwater Measurements/Elevations

Monitoring Well	Monitoring Point Elev. (ft)	5/5/2010		
		Time	SWL (ft)	GW Elev. (ft)
MW-6	100.92	11:30	2.14	98.78
MW-7.1	97.7	11:20	0.2 (g)	97.5
MW-8	101.81	12:18	3.00	98.81
MW-07	101.09	11:15	5.02	96.07
MW-08	102.97	11:05	5.67	97.3
PW-2	100.17			
PW-3	100.37	11:53	2.25 (g)	98.12
IP-1	100.73	11:30	2.95	97.78
MW-200	95.9			
MW-201	95.23			
MW-202	95.22	12:00	4.77	90.45
MW-203	95.08			
MW-204	100.1	11:33	1.0 (g)	99.1
MW-205	101.9	11:27	2.48	99.42
MW-206	97.83	11:46	1.5 (g)	96.33
MW-207	100.71	11:25	4.63	96.08
MW-208	100.09			
MW-209	102.15	11:28	2.83	99.32
MW-01	106.94*	11:03	3.98	102.96
MW-02	102.16			
MW-03	101.87			
MW-04	101.31	9:40	1.69	99.62
MW-05	101.03	11:06	1.85	99.18
MW-06	101.84	11:11	2.26	99.58
BR-1	98.32			
BR-02FR	101.55	10:44	1.45	100.1
BR-2R	101.98	10:31	2.56	99.42
BR-03R	101.59	10:14	1.88	99.71

Notes:

SWL - Static water level measured from monitoring point unless

Stick-up - If negative value, the monitoring well is flush-mounted

*Well casing is removable (due to flowing artesian conditions). A

** Stick-up well casing was added in October 2007, previously w

If a column is blank, no SWL was measured and/or time of read

TABLE 9
ANDERSON CLEANERS
5 HUNT ROAD
JAMESTOWN, NEW YORK
BCP # C907027

Summary of Detected VOCs in Soil following
Soil Removal IRM

Sample Location	South Sidewall	Southwest Sidewall	Southeast Sidewall	Excavation Bottom - South	Northwest Sidewall	Excavation Bottom - North	Northeast Sidewall	North Sidewall	Part 375 Unrestricted Use SCO (1)	Part 375 Restricted Commercial Use SCO (1)
Sample Medium	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Collected	7/25/2005	7/26/2005	7/26/2005	7/26/2005	7/28/2005	7/28/2005	7/28/2005	7/26/2005		
Sample Method No.	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B		
Halocarbons										
Bromodichloromethane	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	NA	NA
Bromomethane	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	NA	NA
Bromoform	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	NA	NA
Carbon Tetrachloride	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	760	2,200
Chloroethane	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	NA	NA
Chloromethane	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	NA	NA
2-Chloroethyl vinyl Ether	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	NA	NA
Chloroform	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	370	350,000
Dibromochloromethane	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	NA	NA
1,1-Dichloroethane	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	270	240,000
1,2-Dichloroethane	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	20	30,000
1,1-Dichloroethene	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	330	500,000
Chlorobenzene	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	1,100	500,000
1,2-Dichlorobenzene	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	1,100	500,000
trans-1,2-Dichloroethene	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	190	500,000
1,2-Dichloropropane	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	NA	NA
cis-1,3-Dichloropropane	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	NA	NA
trans-1,3-Dichloropropene	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	NA	NA
Methylene chloride	U(69,100)	U(31,600)	U(102)	U(16,800)	U(106,000)	U(53,900)	U(72,900)	U(63,800)	50	500,000
1,1,2,2-Tetrachloroethane	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	NA	NA
Tetrachloroethene	**226,000**	**2,600,000**	**1,610**	**63,500**	**1,400,000**	**83,500**	**213,000**	**300,000**	1,300	150,000
1,1,1-Trichloroethane	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	680	500,000
1,1,2-Trichloroethane	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	NA	NA
Trichloroethene	U (27,600)	**49,400**	167	U(16,800)	**104,000**	U(21,600)	U(29,200)	U(25,500)	470	200,000
Trichlorofluoromethane	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	NA	NA
Vinyl chloride	U (27,600)	U(31,600)	**7,540**	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	20	13,000
1,3-Dichlorobenzene	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	2,400	280,000
1,4-Dichlorobenzene	U (27,600)	U(31,600)	U(102)	U(16,800)	U(42,400)	U(21,600)	U(29,200)	U(25,500)	1,800	130,000

Notes:
Soil concentrations reported in micrograms per kilogram (ug/kg).

(1) = SCOs are as referenced in 6NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives dated December 14, 2006

1,610 = bold denotes exceedance of Unrestricted Use SCO.

226,000 = bold and yellow highlight denotes exceedance of Unrestricted Use and Restricted Commercial Use SCOs.

NA = Not Available

TABLE 10

ANDERSON CLEANERS SITE
5 HUNT ROAD
JAMESTOWN, NEW YORK
BCP # C907027

Opinion of Probable Cost - Alternative 1

DNAPL Recovery, Chemical Oxidation, Bioremediation, Collect Artesian Well Effluent, Treat Ex-Situ Groundwater with Activated Carbon, Existing Cap Maintenance, Institutional Controls, Engineering Controls and Long-Term Monitoring

	U.S. Dollars
Capital/Initial Costs	
Design	$50,000.00
DNAPL Removal System	$21,790.00
Bioaugmentation/Biostimulation	$82,011.25
Groundwater Collection System	$44,970.00
Liquid Phase Carbon System	$10,000.00
Chemical Oxidation	$32,500.00
25% Contingency	$60,317.81
Total Capital/Initial Costs	**$301,589.06**
Institutional Controls	
Environmental Easements	$2,500.00
Site Management Plan	$2,500.00
Cap Maintenance	$2,000.00
25% Contingency	$1,250.00
Total Institutional Controls	**$8,250.00**
Operational/Maintenance/Annual Costs	
Years 1-2 Groundwater Monitoring ($4800 x 2years)	$9,600.00
Years 3-10 Groundwater Monitoring ($2500 x 8years)	$20,000.00
Years 1-2 Passive Pumping DNAPL Recovery ($1400 x 2 years)	$2,800.00
Years 3-10 Passive Pumping DNAPL Recovery ($700 x 8 years)	$5,600.00
Years 1-10 Liquid Phase Carbon Usage (800lbs/yr x $2/lbs x10 yrs)	$16,000.00
25% Contingency	$13,500.00
Total Operational/Maintenance/Annual Costs	**$67,500.00**
Closeout Costs	
Reports	$10,000.00
25% Contingency	$2,500.00
Total Closeout Costs	**$12,500.00**
Present Worth Costs	
Capital/Initial Costs	$301,589.06
Institutional Controls	$8,250.00
Years 1-2 Groundwater Monitoring (F=1.8594)	$11,156.40
Years 3-10 Groundwater Monitoring (F=7.7217-1.8594))	$18,319.69
Years 1-2 Passive Pumping DNAPL Recovery (F=1.8594)	$3,253.95
Years 3-10 Passive Pumping DNAPL Recovery (7.7217-1.8594)	$5,129.51
Years 1-10 Liquid Phase Carbon Usage (800lbs/yr x $2/lbs x10 yrs) (F=7.7217)	$15,443.40
Closeout Costs (F=0.6139)	$7,673.75
Total Present Worth Cost	**$370,815.76**

Assumptions:

-10 Years at 5% discount factor
-Design includes work plans, selecting and coordinating subcontractors, locating underground utilities and meetings with agencies
-Develop detailed remedial work plan for Site
-Develop and implement institutional controls and engineering controls
-F= Discount Factor of 5% at the n^{th} year of the project
-Conduct long-term groundwater monitoring for 10 years (biannually for 10 wells for years 1-2 annually for 10 wells for years 3-10)
-Develop and submit necessary reports to document work completed
-Liquid Phase Carbon Costs include new Carbon, transport and disposal of spent carbon and oversight
- Present Worth Operational/Maintenace/Annual Costs include a 25% Contingency

TABLE 11

ANDERSON CLEANERS
5 HUNT ROAD
JAMESTOWN, NEW YORK
BCP # C907027

Opinion of Probable Cost - Alternative 2

Full Excavation of Contaminated Soil with Off-Site Disposal, DNAPL Recovery, Pump Groundwater and Treat with Activated Carbon, Long Term Monitoring

Capital/Initial Costs	
Design	$95,000.00
DNAPL Removal System	$21,790.00
Groundwater Collection System	$228,750.00
Liquid Phase Carbon System	$35,000.00
Soil Excavation ($600/ton x 1974 tons)	$1,184,400.00
25% Contingency	$391,235.00
Total Capital/Initial Costs	**$1,956,175.00**
Operational/Maintenance/Annual Costs	
Years 1-2 Groundwater Monitoring ($4800 x 2years)	$9,600.00
Years 3-10 Groundwater Monitoring ($2500 x 8years)	$20,000.00
Years 1-2 Passive Pumping DNAPL Recovery ($1400 x 2 years)	$2,800.00
Years 3-10 Passive Pumping DNAPL Recovery ($700 x 8 years)	$5,600.00
Years 1-10 Liquid Phase Carbon Usage (5200lbs/yr x $2/lbs x10 yrs)	$104,000.00
25% Contingency	$35,500.00
Total Operational/Maintenance/Annual Costs	**$177,500.00**
Closeout Costs	
Reports	$10,000.00
25% Contingency	$2,500.00
Total Closeout Costs	**$12,500.00**
Present Worth Costs	
Capital/Initial Costs	$1,956,175.00
Years 1-2 Groundwater Monitoring (F=1.8594)	$10,710.14
Years 3-10 Groundwater Monitoring (F=7.7217-1.8594))	$17,586.90
Years 1-2 Passive Pumping DNAPL Recovery (F=1.8594)	$3,123.79
Years 3-10 Passive Pumping DNAPL Recovery (7.7217-1.8594)	$4,924.33
Years 1-10 Liquid Phase Carbon Usage (10000lbs/yr x $2/lbs x10 yrs) (F=7.7217)	$185,320.80
Closeout Costs (F=0.6139)	$6,139.00
Total Present Worth Cost	**$2,183,979.97**

Assumptions:

-10 Years at 5% discount factor
-Design includes work plans, selecting and coordinating subcontractors, locating underground utilities and meetings with agencies
-Develop detailed remedial work plan for Site
-Develop and implement institutional controls and engineering controls
-F= Discount Factor of 5% at the n^{th} year of the project
-Conduct long-term groundwater monitoring for 10 years (biannually for 10 wells for years 1-2 annually for 10 wells for years 3-10)
-Develop and submit necessary reports to document work completed
-The source zone excavation cost includes excavation and removal of soils, oversight, backfilling and compacting excavation
- Present Worth Operational/Maintenace/Annual Costs include a 25% Contingency

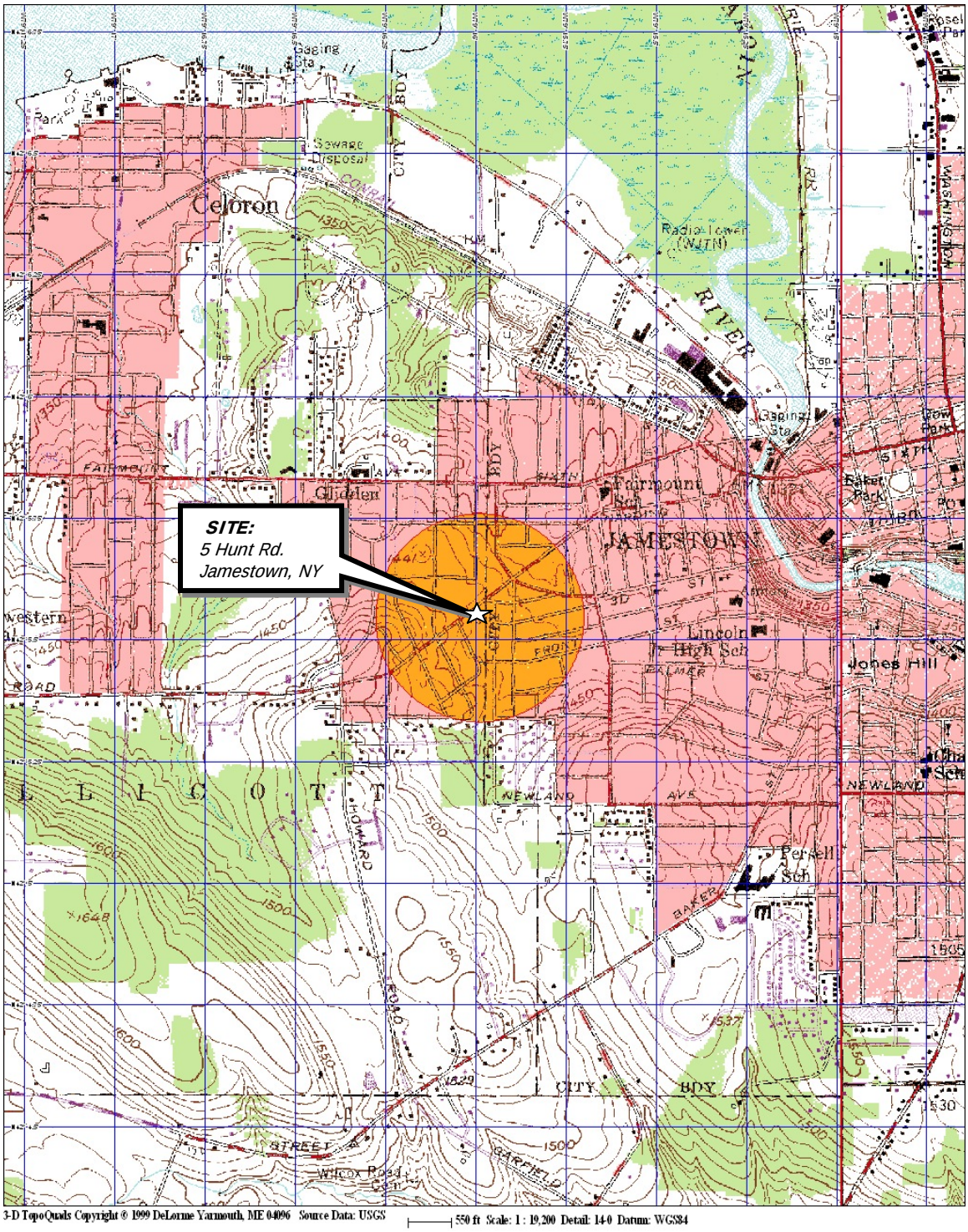
TABLE 12

ANDERSON CLEANERS
5 HUNT ROAD
JAMESTOWN, NEW YORK
BCP # C907027

Opinion of Probable Cost - Alternative 3

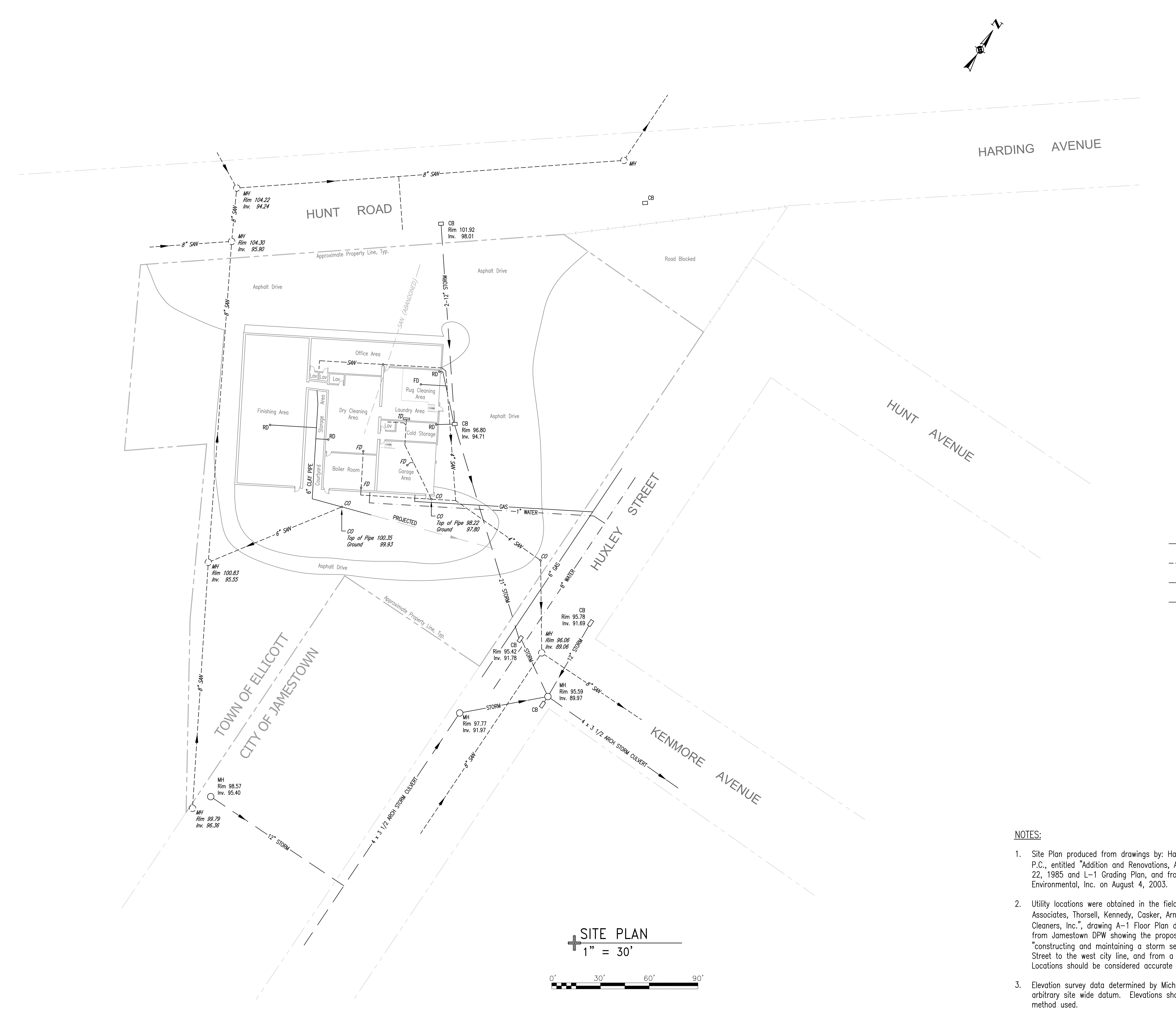
No Action

Capital/Initial Costs.....	$0.00
Operation/Maintenance/Annual Costs.....	$0.00
Closeout Costs.....	$0.00
sub-total.....	$0.00
Contingency at 25%.....	$0.00
Total Present Worth Cost	**$0.00**



Drawing Produced From: 3-D TopoQuads, DeLorme Map Co., referencing USGS quad map Lakewood (NY) 1979 and Jamestown (NY) 1979. Site Lat/Long: N42°05.55'– W79°16.00'

DATE **March 2011** DRAWN BY **RJM** SCALE **1" = 2000'**	DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14614-1008	PROJECT TITLE **5 HUNT ROAD** **JAMESTOWN, NEW YORK** **REMEDIAL INVESTIGATION** **BCP #C907027** DRAWING TITLE **PROJECT LOCUS MAP**	PROJECT NO. **3563S-04** **FIGURE 1**



LEGEND

6" GAS	Gas Line
8" SAN	Sanitary Sewer
12" STORM	Storm Sewer
8" WATER	Water Line
CB	Catch Basin
DI	Drop Inlet
FD	Floor Drain
MH	Manhole
Rim 100.83	Rim Elevation In Feet
Inv. 95.55	Invert Elevation In Feet
RD	Roof Drain
TD	Trench Drain

NOTES:

1. Site Plan produced from drawings by: Habiterra Associates, Thorsell, Kennedy, Casker, Arnone & Hedin P.C., entitled "Addition and Renovations, Anderson Cleaners, Inc.", drawing A–1 Floor Plan dated October 22, 1985 and L–1 Grading Plan, and from notes of a site visit by a representative of Day Environmental, Inc. on August 4, 2003.

2. Utility locations were obtained in the field by a Trimble GeoXT GPS, from drawings by: Habiterra Associates, Thorsell, Kennedy, Casker, Arnone & Hedin P.C., entitled "Addition and Renovations, Anderson Cleaners, Inc.", drawing A–1 Floor Plan dated October 22, 1985 and L–1 Grading Plan. A 1967 map from Jamestown DPW showing the proposed location of a permanent easment for the purpose of "constructing and maintaining a storm sewer from the existing catch basin on the west side of Huxley Street to the west city line, and from a 1951 DPW storm sewer field book number 438A page 107. Locations should be considered accurate to the degree implied by the method used.

3. Elevation survey data determined by Michael J. Rodgers, Land Surveyor, P.C. and referenced to an arbitrary site wide datum. Elevations should be considered accurate to the degree implied by the method used.

PROJECT MANAGER RLK	DATE 08-2005	DRAWN BY RJM	DATE DRAWN 08-29-2005
CHECKED BY	DATE 09-01-2005	APPROVED BY RLK	DATE March 2011
SCALE 1" = 30'	DATE ISSUED March 2011		

DAY ENVIRONMENTAL, INC.

DRAWING ALTERATION

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.

ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY", FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

REVISIONS	DATE	BY
7		
6		
5		
4		
3		
2		
1		

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14614-1008
NEW YORK, NEW YORK 10165-1617

PROJECT TITLE
5 HUNT ROAD
JAMESTOWN, NEW YORK

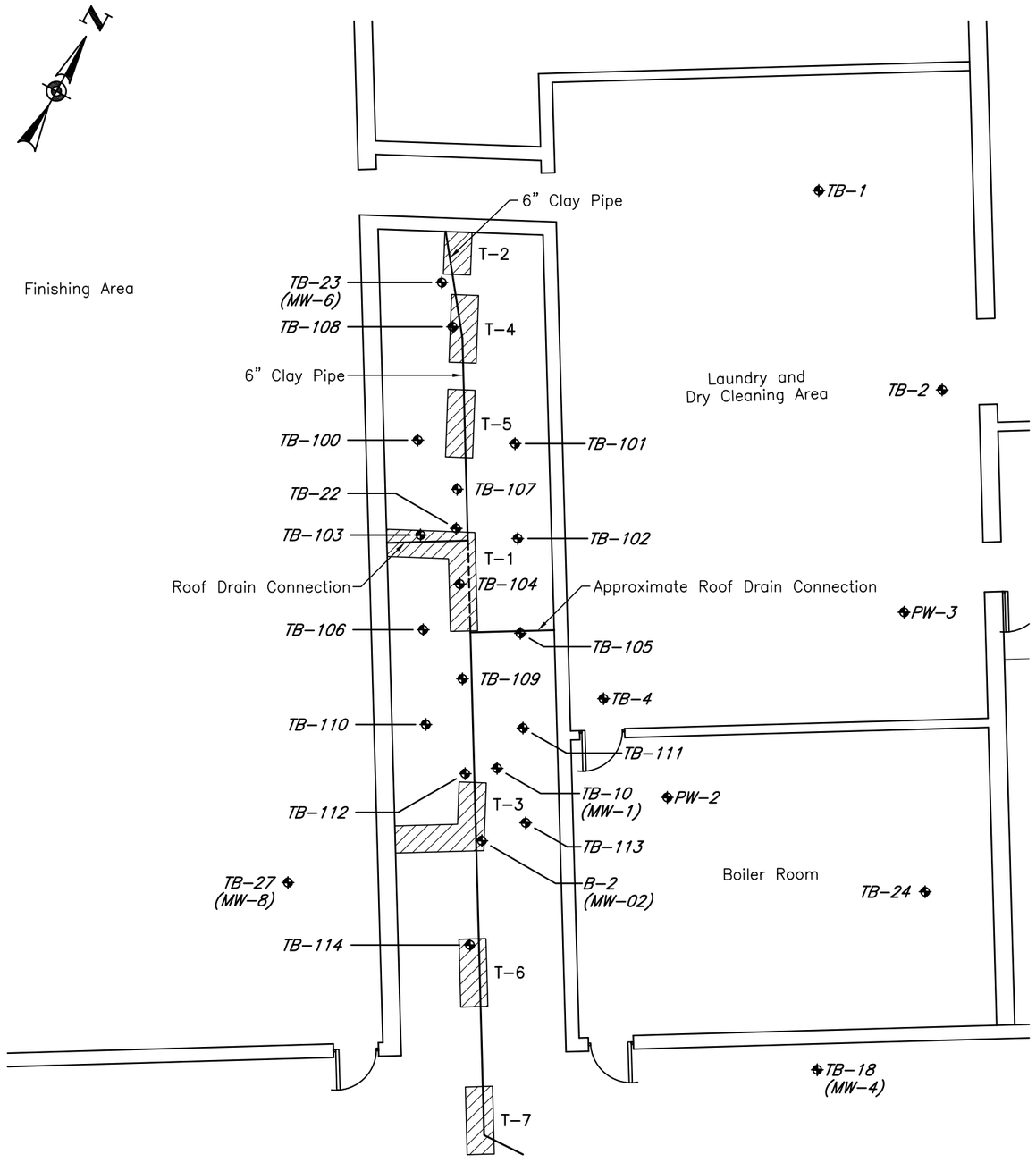
REMEDIAL INVESTIGATION - BCP #C907029

DRAWING TITLE
Site Plan With Underground Utility Locations

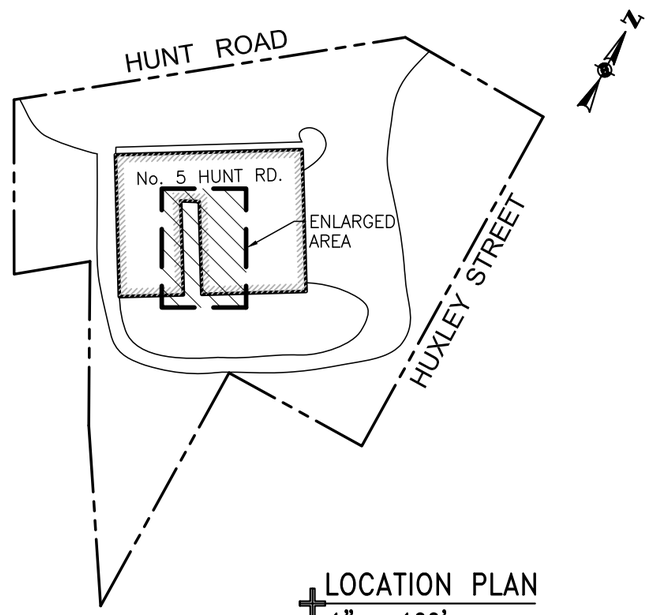
PROJECT NO.
3563S-04

FIGURE NO.
FIGURE 2

ANSI "D" (22x34)
DayEnv_AnsiD



PARTIAL PLAN
1" = 10'



LOCATION PLAN
1" = 100'

LEGEND:

TB-1	Test Boring Advanced During Initial Phase II Environmental Site Assessment
TB-10 (MW-1)	Test Boring with 1-Inch Diameter Monitoring Well Installed During Initial Phase II Environmental Site Assessment
TB-100	Test Boring Advanced February 7, 2005 (Designated TB-100 Through TB-114)
PW-2	1-Inch Diameter Monitoring Well Installed October 13, 2004
T-2	Approximate Location of Test Pit/Trench Excavated on October 6, 2004
----------	Approximate Location of Broken Piping

NOTES:

1. Site Plan produced from drawings by Habiterra Associates, Thorsell, Kennedy, Casker, Arnone & Hedin. P.C. entitled "Addition and Renovations, Anderson Cleaners, Inc", drawings A-1 Floor Plan dated October 22, 1985 and L-1 Grading Plan and from notes of a site visit by a representative of Day Environmental, Inc. on 08-04-03.
2. Test borings and test pits locations determined by tape measurement from existing site structures, and should be considered accurate to the degree implied by the method used.

FIELD VERIFIED BY	CD
DATE	02-2005
DRAWN BY	RJM
DATE DRAWN	08-29-2005
SCALE	As Noted
DATE ISSUED	03-2011

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14614-1008
NEW YORK, NEW YORK 10016-0710

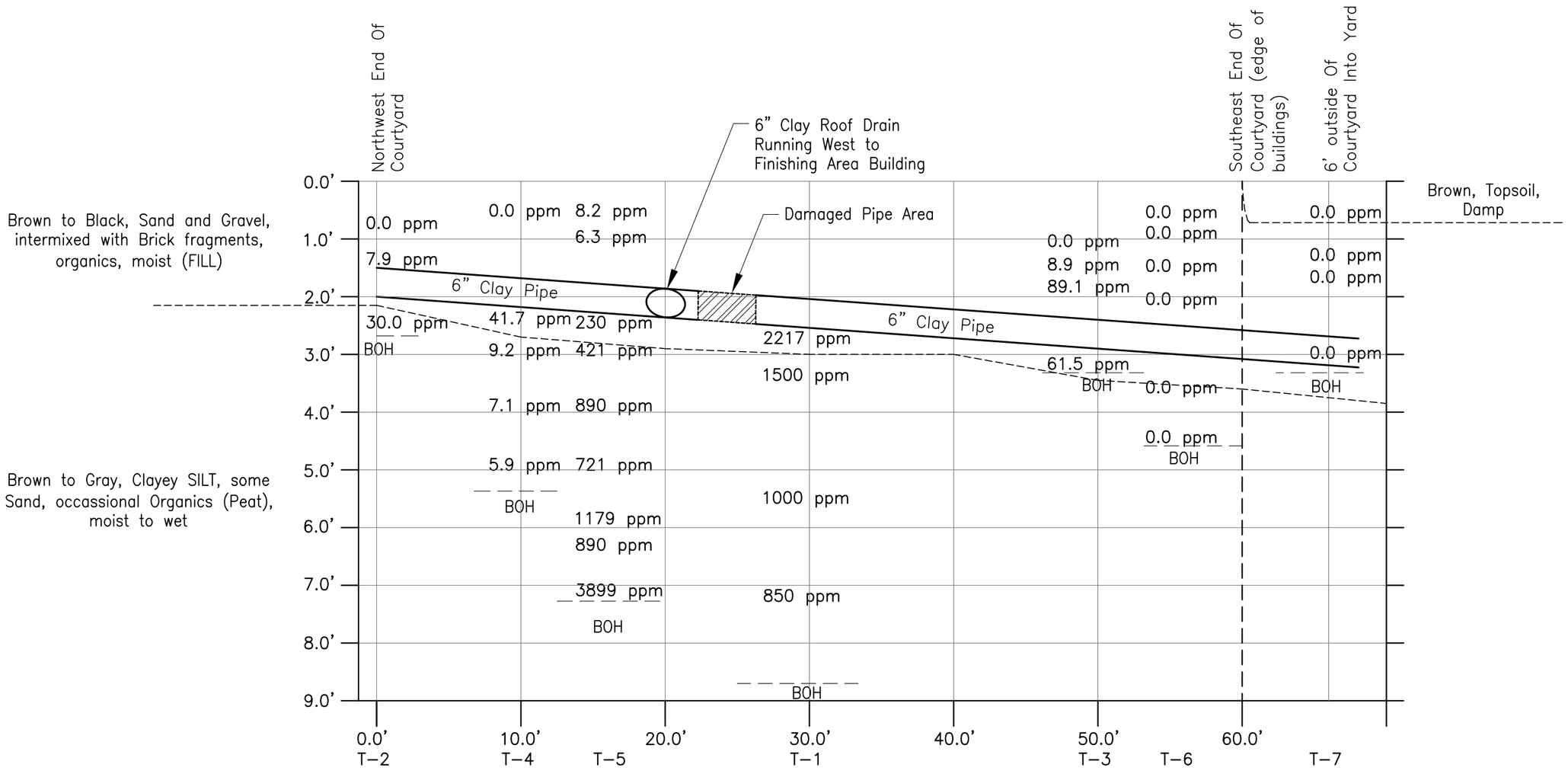
PROJECT TITLE
5 HUNT ROAD
JAMESTOWN, NEW YORK

REMEDIAL INVESTIGATION - BCP #C907027

DRAWING TITLE
Partial Plan With Courtyard Evaluation Test Pit And Test Boring Locations

PROJECT NO.
3563S-04

FIGURE 3



PROFILE

1/8" = 1'-0" Horizonal
1/2" = 1'-0" Vertical

LEGEND:

T-1	Test Pit/Trench Excavated on October 6, 2004
BOH	Bottom Of Test Pit/Trench
8.2 ppm	Maximum PID Reading

NOTES:

1. Cross Section produced from field notes of a site vistit by a representative of Day Environmental, Inc. on October 6, 2004.

FIELD VERIFIED BY	JS
DATE	08-2005
DRAWN BY	RJM
DATE DRAWN	08-29-2005
SCALE	As Noted
DATE ISSUED	03-2011

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14614-1008
NEW YORK, NEW YORK 10016-0710

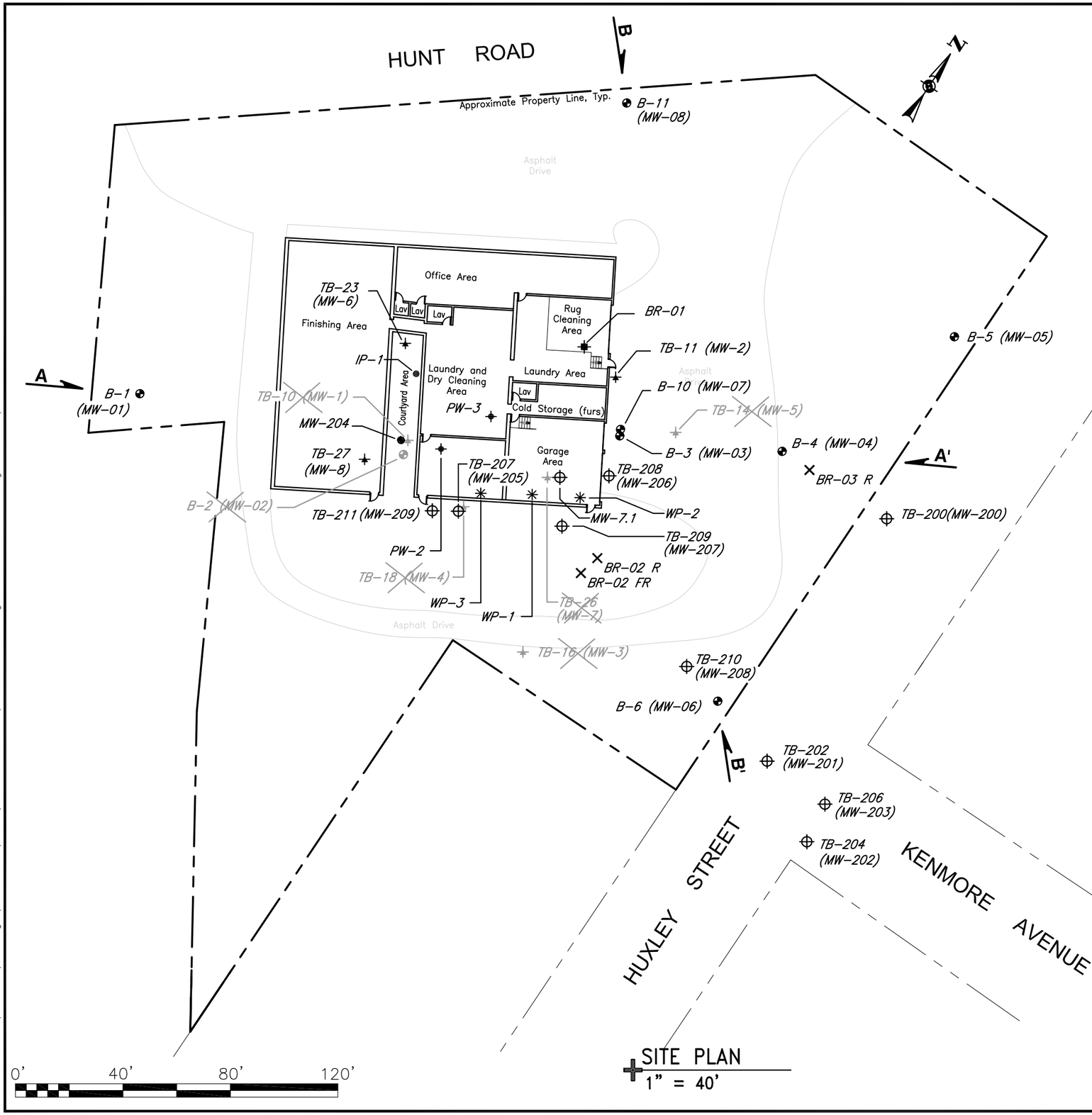
PROJECT TITLE
5 HUNT ROAD
JAMESTOWN, NEW YORK

REMEDIAL INVESTIGATION - BCP #C907027

DRAWING TITLE
Cross Section: Courtyard Area

PROJECT NO.
3563S-04

FIGURE 4



SITE PLAN
1" = 40'

LEGEND:

B-1 (MW-01)	Test Boring/Groundwater Monitoring Well completed between May 2, 2005 and May 6, 2005 and on May 23, 2005
TB-11 (MW-2)	Test Boring / Groundwater Monitoring Well installed during initial Phase II Environmental Site Assessment
PW-2	Test Boring/Groundwater Monitoring Well completed on October 13, 2004
TB-200 (MW-200)	Test Boring/Groundwater Monitoring Well completed on April 6, 2006, June 17, 2006 and December 27–28, 2006
WP-3	Hand Driven Well Point Installed July/August 2007
MW-204	Groundwater Monitoring well completed on July 5, 2006
BR-01	Existing Bedrock Well
~~TB-16 (MW-3)~~	Groundwater Monitoring Well Removed/Decomissioned
BR-02 FR	Groundwater Monitoring Well Installed In Fractured Rock November 12–18, 2009
BR-02 R	Groundwater Monitoring Well Installed In Competent Rock November 12–18, 2009
B — B'	Approximate Location of Geologic Cross Section

NOTES:

1. Site Plan produced from drawings by Habiterra Associates, Thorsell, Kennedy, Casker, Arnone & Hedin. P.C. entitled "Addition and Renovations, Anderson Cleaners, Inc", drawings A–1 Floor Plan dated October 22, 1985 and L–1 Grading Plan and from notes of site visits by representatives of Day Environmental, Inc.
2. Well locations MW–01, MW–02, MW–03, MW–04, MW–05, MW–06, MW–07 and MW–08 were obtained in the field by a Trimble GeoXT GPS. Other well and test boring locations were obtained by tape measurement from existing site structure. Locations should be considered accurate to the degree implied by the method used.

PROJECT MANAGER	DATE
RLK	03-2011
DRAWN BY	DATE DRAWN
RJM	03-2011
SCALE	DATE ISSUED
As Noted	03-2011

DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14614-1008
NEW YORK, NEW YORK 10016-0710

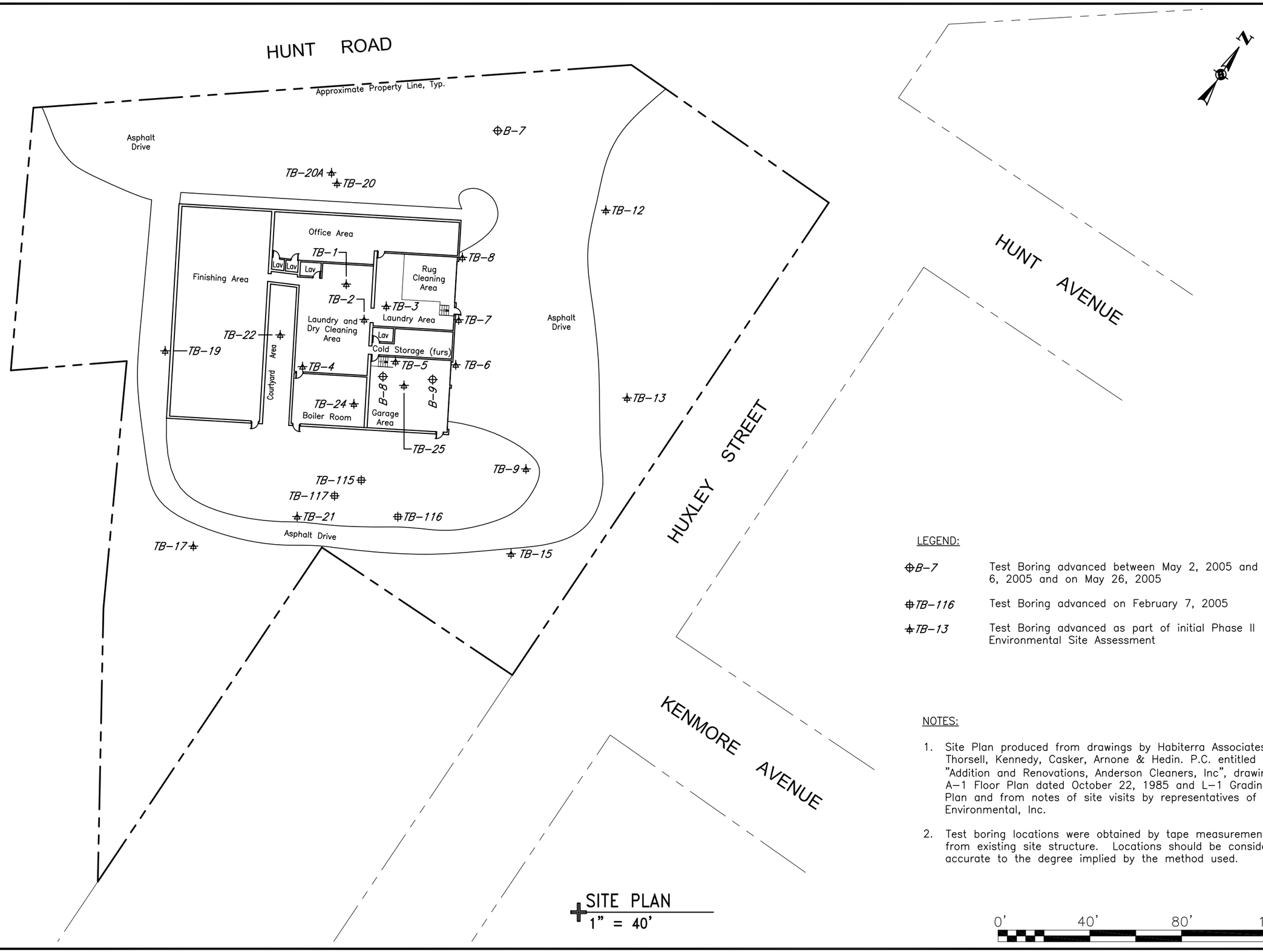
PROJECT TITLE
5 HUNT ROAD
JAMESTOWN, NEW YORK

REMEDIAL INVESTIGATION - BCP #C907027

DRAWING TITLE
Groundwater Monitoring Well Locations

PROJECT NO.
3563S-04

FIGURE 5



LEGEND:

⊕B-7	Test Boring advanced between May 2, 2005 and May 6, 2005 and on May 26, 2005
⊕TB-116	Test Boring advanced on February 7, 2005
⏃TB-13	Test Boring advanced as part of initial Phase II Environmental Site Assessment

NOTES:

1. Site Plan produced from drawings by Habiterra Associates, Thorsell, Kennedy, Casker, Arnone & Hedin. P.C. entitled "Addition and Renovations, Anderson Cleaners, Inc", drawings A-1 Floor Plan dated October 22, 1985 and L-1 Grading Plan and from notes of site visits by representatives of Day Environmental, Inc.
2. Test boring locations were obtained by tape measurement from existing site structure. Locations should be considered accurate to the degree implied by the method used.

PROJECT MANAGER	RLK
DRAWN BY	RJM
SCALE	As Noted
DATE	03-2011
DATE DRAWN	03-2011
DATE ISSUED	03-2011

DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14614-1008
NEW YORK, NEW YORK 10016-0710

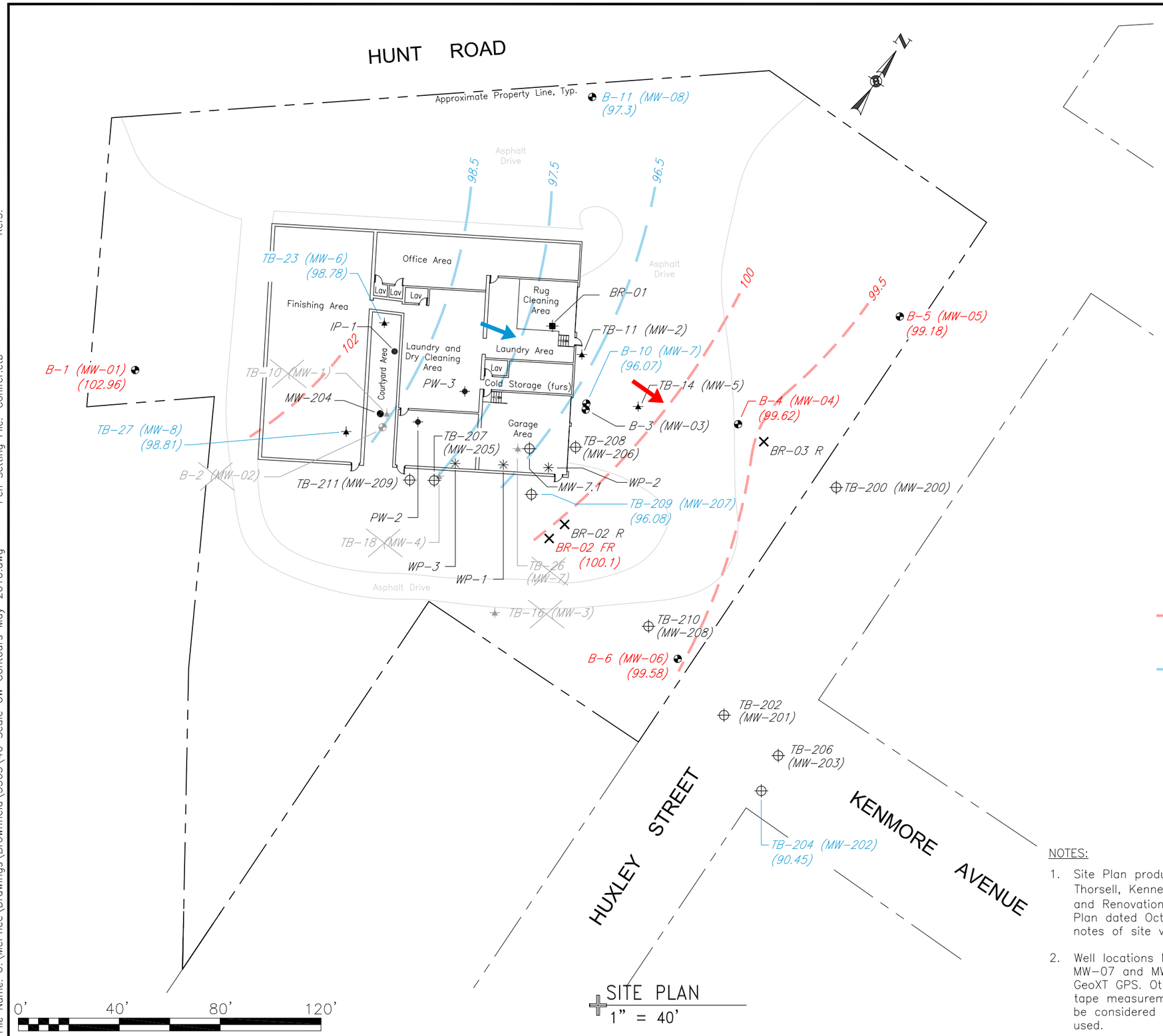
PROJECT TITLE
5 HUNT ROAD
JAMESTOWN, NEW YORK

REMEDIAL INVESTIGATION - BCP #C907027

DRAWING TITLE
Site Plan With Test Borlng Locatlons

PROJECT NO.
3563S-04

FIGURE 5A



LEGEND:

B-1 (MW-01)	Test Boring/Groundwater Monitoring Well completed between May 2, 2005 and May 6, 2005 and on May 23, 2005
TB-11 (MW-2)	Test Boring / Groundwater Monitoring Well installed during initial Phase II Environmental Site Assessment
PW-2	Test Boring/Groundwater Monitoring Well completed on October 13, 2004
TB-200 (MW-200)	Test Boring/Groundwater Monitoring Well completed on April 6, 2006, June 17, 2006 and December 27–28, 2006
WP-3	Hand Driven Well Point Installed July/August 2007
MW-204	Groundwater Monitoring well completed on July 5, 2006
BR-01	Existing Bedrock Well
~~TB-16 (MW-3)~~	Groundwater Monitoring Well Removed/Decomissioned
BR-02 FR	Groundwater Monitoring Well Installed In Fractured Rock November 12–18, 2009
BR-02 R	Groundwater Monitoring Well Installed In Competent Rock November 12–18, 2009
	Groundwater Contour Top Of Rock Zone Using Data Collected In Highlighted Monitoring Wells
	Groundwater Contour Top Of Till/Overburden Zone Using Data Collected In Highlighted Monitoring Wells
	Apparent Groundwater Flow Direction

NOTES:

1. Site Plan produced from drawings by Habiterra Associates, Thorsell, Kennedy, Casker, Arnone & Hedin. P.C. entitled "Addition and Renovations, Anderson Cleaners, Inc", drawings A–1 Floor Plan dated October 22, 1985 and L–1 Grading Plan and from notes of site visits by representatives of Day Environmental, Inc.
2. Well locations MW–01, MW–02, MW–03, MW–04, MW–05, MW–06, MW–07 and MW–08 were obtained in the field by a Trimble GeoXT GPS. Other well and test boring locations were obtained by tape measurement from existing site structure. Locations should be considered accurate to the degree implied by the method used.

PROJECT MANAGER	RLK
DRAWN BY	RJM
DATE	5-5-2010
DATE DRAWN	6-23-2010
SCALE	As Noted
DATE ISSUED	03-2011

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14614-1008
NEW YORK, NEW YORK 10016-0710

PROJECT TITLE
5 HUNT ROAD
JAMESTOWN, NEW YORK

REMEDIAL INVESTIGATION - BCP #C907027

DRAWING TITLE
Groundwater Contour Maps: May 5, 2010

PROJECT NO.
3563S-04

FIGURE 6

HUNT ROAD

Approximate Property Line, Typ.

PW-3

PCE	108,000	PCE	74,000	PCE	64,700	PCE	34,100	PCE	23,100
TCE	9,070	TCE	8,100	TCE	7,360	TCE	8,150	TCE	9,040
VC	13,800	VC	12,000	VC	17,900	VC	20,400	VC	5,490
TCA	u (2,000)	TCA	14	TCA	u (1,000)	TCA	u (1,000)	TCA	u (1,000)
Xyl	u (2,000)	Xyl	6	Xyl	–	Xyl	–	Xyl	–
Total	203,370	Total	151,877	Total	89,960	Total	62,650	Total	37,630
(10-21-2004)		(5-25-2005)		(1-12-2006)		(8-8-2006)		(9-12-2006)	

B-11 (MW-08)

BR-01 (SEE TABLE)

TB-23 (MW-6)

PCE	1,790
TCE	49.4
VC	u (20)
TCA	u (20)
Xyl	–
Total	1,839.4
(11-23-2003)	

TB-10 (MW-1)

PCE	81,800
TCE	u (10,000)
VC	u (10,000)
TCA	u (10,000)
Xyl	u (10,000)
Total	81,800
(9-17-2003)	

B-1 (MW-01)

PCE	u (10)
TCE	u (10)
VC	u (10)
TCA	u (10)
Xyl	u (10)
Total	44
(5-25-2005)	

TB-27 (MW-8)

PCE	437
TCE	103
VC	14.5
TCA	12
Xyl	–
Total	566.5
(11-23-2003)	

B-2 (MW-02)

PCE	2,090
TCE	u (20)
VC	u (20)
TCA	u (20)
Xyl	–
Total	2,090
(1-12-2006)	

PW-2

PCE	91,400	PCE	29,700	PCE	50,400				
TCE	u (2,000)	TCE	u (1,000)	TCE	u (1,000)				
VC	u (2,000)	VC	u (1,000)	VC	u (1,000)				
TCA	u (2,000)	TCA	u (1,000)	TCA	u (1,000)				
Xyl	u (2,000)	Xyl	u (1,000)	Xyl	–				
Total	91,400	Total	29,700	Total	50,400				
(10-21-2004)		(1-12-2006)		(8-8-2006)					

MW-7.1

PCE	113,000	PCE	120,000
TCE	u (1,000)	TCE	u (1,000)
VC	u (1,000)	VC	u (1,000)
TCA	u (1,000)	TCA	u (1,000)
Xyl	–	Xyl	–
Total	113,000	Total	120,000
(8-9-2006)		(9-12-2006)	

TB-18 (MW-4)

PCE	17,600
TCE	u (200)
VC	u (200)
TCA	u (200)
Xyl	u (200)
Total	17,600
(11-23-2003)	

TB-16 (MW-3)

PCE	u (2)
TCE	u (2)
VC	u (2)
TCA	u (2)
Total	u (2)
(9-17-2003)	

TB-26 (MW-7)

PCE	53,300	PCE	53,700	PCE	73,000
TCE	u (1,000)	TCE	u (2,000)	TCE	81
VC	u (1,000)	VC	u (2,000)	VC	2
TCA	u (1,000)	TCA	u (2,000)	TCA	51
Xyl	–	Xyl	u (2,000)	Xyl	u (10)
Total	53,300	Total	53,700	Total	73,243
(11-23-2003)		(10-21-2004)		(5-25-2005)	

B-6 (MW-06)

PCE	620	PCE	392	PCE	369	PCE	256	PCE	246
TCE	1	TCE	u (10.0)	TCE	u (4.00)	TCE	u (5.00)	TCE	u (5.00)
VC	u (10)	VC	u (10.0)	VC	u (4.00)	VC	u (5.00)	VC	u (5.00)
TCA	u (10)	TCA	u (10.0)	TCA	u (4.00)	TCA	u (5.00)	TCA	u (5.00)
Xyl	u (10)	Xyl	–	Xyl	–	Xyl	–	Xyl	–
Total	621	Total	392	Total	369	Total	256	Total	246
(5-25-2005)		(1-12-2006)		(1-4-2007)		(2-13-2007)		(3-15-2007)	

TB-11 (MW-2)

PCE	19,300
TCE	u (2,000)
VC	u (2,000)
TCA	u (2,000)
Xyl	u (2,000)
Total	19,300
(9-17-2003)	

B-10 (MW-07)

PCE	9,600	PCE	8,590	PCE	9,170	PCE	5,310	PCE	6,440	PCE	4,240
TCE	6,500	TCE	u (200)	TCE	u (200)	TCE	u (200)	TCE	u (200)	TCE	u (200)
VC	1,000	VC	u (200)	VC	u (200)	VC	u (200)	VC	u (200)	VC	u (200)
TCA	13	TCA	u (200)	TCA	u (200)	TCA	u (200)	TCA	u (200)	TCA	u (200)
Xyl	u (10)	Xyl	–	Xyl	–	Xyl	–	Xyl	–	Xyl	–
Total	24,770	Total	8,590	Total	9,170	Total	5,310	Total	6,440	Total	4,240
(5-25-2005)		(1-12-2006)		(9-12-2006)		(1-4-2007)		(2-13-2007)		(3-15-2007)	

TB-14 (MW-5)

PCE	70
TCE	u (2)
VC	u (2)
TCA	u (2)
Xyl	u (2)
Total	70
(9-17-2003)	

B-5 (MW-05)

PCE	2	PCE	u (2)
TCE	u (10)	TCE	u (2)
VC	u (10)	VC	u (2)
TCA	u (10)	TCA	u (2)
Xyl	u (10)	Xyl	–
Total	2	Total	–
(5-25-2005)		(1-12-2006)	

B-4 (MW-04)

PCE	1,200	PCE	1,230	PCE	1,820	PCE	1,120	PCE	904
TCE	1	TCE	u (20)	TCE	u (200)	TCE	u (200)	TCE	u (100)
VC	u (10)	VC	u (20)	VC	u (200)	VC	u (200)	VC	u (100)
TCA	u (10)	TCA	u (20)	TCA	u (200)	TCA	u (200)	TCA	u (100)
Xyl	u (10)	Xyl	–	Xyl	u (200)	Xyl	u (200)	Xyl	–
Total	1,201	Total	1,230	Total	1,820	Total	1,120	Total	904
(5-25-2005)		(1-12-2006)		(1-4-2007)		(2-13-2007)		(3-15-2007)	

B-3 (MW-03)

PCE	1,400	PCE	1,040	PCE	1,560
TCE	u (10)	TCE	u (20)	TCE	u (20)
VC	u (10)	VC	u (20)	VC	u (20)
TCA	u (10)	TCA	u (20)	TCA	u (20)
Xyl	u (10)	Xyl	–	Xyl	–
Total	1,400	Total	1,040	Total	1,560
(5-25-2005)		(1-12-2006)		(9-12-2006)	

TB-200(MW-200)

PCE	u (2)
TCE	u (2)
VC	u (2)
TCA	u (2)
Xyl	–
Total	u
(4-24-2006)	

TB-202(MW-201)

PCE	10,500	PCE	14,200	PCE	2,610	PCE	423
TCE	970	TCE	u (200)	TCE	17,500	TCE	937
VC	u (200)	VC	u (200)	VC	u (200)	VC	u (20)
TCA	u (200)	TCA	u (200)	TCA	u (200)	TCA	u (20)
Xyl	–	Xyl	–	Xyl	–	Xyl	–
Total	11,470	Total	14,200	Total	29,260	Total	1,454.4
(4-24-2006)		(1-4-2007)		(2-13-2007)		(3-15-2007)	

TB-206(MW-203)

PCE	u (2)
TCE	u (2)
VC	3.28
TCA	u (2)
Xyl	–
Total	3.28
(7-12-2006)	

TB-204(MW-202)

PCE	u (2)
TCE	u (2)
VC	u (2)
TCA	u (2)
Xyl	–
Total	u
(4-24-2006)	

BR-01 (4-7-2005)

PCE	7,100	10,000	2,900	230	190	96
TCE	3,400	3,300	1,600	200	47	18
VC	260	280	150	21	17	3
TCA	u (10)	u (10)	u (10)	u (10)	u (10)	u (10)
Xyl	u (10)	u (10)	u (10)	u (10)	u (10)	u (10)
Total	12,516	15,342	5,590	882	756	150
Depth of Sample	31.1 – 32.6	41.7 – 43.2	54.7 – 56.2	67.7 – 69.2	80.7 – 82.2	93.7 – 95.2

BR-01 (9-15-2006)

PCE	7,300	8,440	150	154	165	4,500
TCE	u (200)	931	95.1	47.8	113	2,800
VC	u (200)	u (200)	14.1	5.23	13.6	u (200)
TCA	u (200)	u (200)	u (2.0)	u (2.0)	u (2.0)	u (200)
Xyl	–	–	–	–	–	–
Total	7,300	9,371	329	344	537	9,150
Depth of Sample	31.1 – 32.6	41.7 – 43.2	54.7 – 56.2	67.7 – 69.2	80.7 – 82.2	93.7 – 95.2

LEGEND:

B-1 (MW-01)	Test Boring/Groundwater Monitoring Well completed between May 2, 2005 and May 6, 2005 and on May 23, 2005
TB-11 (MW-2)	Test Boring with 1-Inch Diameter Monitoring Well installed during initial Phase II Environmental Site Assessment
PW-2	Test Boring/Groundwater Monitoring Well completed on October 13, 2004
TB-200 (MW-200)	Test Boring/Groundwater Monitoring Well completed on April 6, 2006, June 17, 2006 and December 27-28, 2006
MW-204	4" Monitoring well completed on July 5, 2006
BR-01	Bedrock Well
PCE	Tetrachloroethene ug/L
TCE	Trichloroethene ug/L
VC	Vinyl Chloride
TCA	1,1,1-Trichloroethane ug/L
Xyl	Xylene ug/L
Total	Total VOCs and TICs
u	Constituent analyzed but not detected
–	Constituent not analyzed
(5-25-2005)	Date of sample
	Apparent Groundwater flow direction based on August 18, 2005 measurements

NOTES:

1. Site Plan produced from drawings by Habiterra Associates, Thorsell, Kennedy, Casker, Arnone & Hedin. P.C. entitled "Addition and Renovations, Anderson Cleaners, Inc", drawings A-1 Floor Plan dated October 22, 1985 and L-1 Grading Plan and from notes of site visits by representatives of Day Environmental, Inc.
2. Well locations MW-01, MW-02, MW-03, MW-04, MW-05, MW-06, MW-07 and MW-08 were obtained in the field by a Trimble GeoXT GPS. Other well and test boring locations were obtained by tape measurement from existing site structure. Locations should be considered accurate to the degree implied by the method used.

Office Area
Lav
Lav
Lav
Rug Cleaning Area
Finishing Area
IP-1
Laundry and Dry Cleaning Area
Courtyard Area
Laundry Area
Lav
Cold Storage (furs)
MW-204
Garage Area
TB-207 (MW-205)
TB-208 (MW-206)
TB-211 (MW-209)
TB-209 (MW-207)
TB-210 (MW-208)
HUXLEY STREET
KENMORE AVENUE

0' 40' 80' 120'

SITE PLAN
1" = 40'

Ref1:
Ref2:
Ref3:

Xerox432AnsiB-2; 11 x 17
Layout Name: Layout2
Pen Setting File: 800psFullcolor.ctb

Time Plotted: Tuesday, March 15, 2011 1:45:36 PM
File Name: U:\McPhee\Drawings\Brownfield\3563\40 ScaleWellSample.dwg

PROJECT MANAGER: RLK
DATE: 08-2005
DRAWN BY: RJM/Tw
DATE DRAWN: 02-2006
SCALE: As Noted
DATE ISSUED: 03-2011

DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14614-1008
NEW YORK, NEW YORK 10016-0710

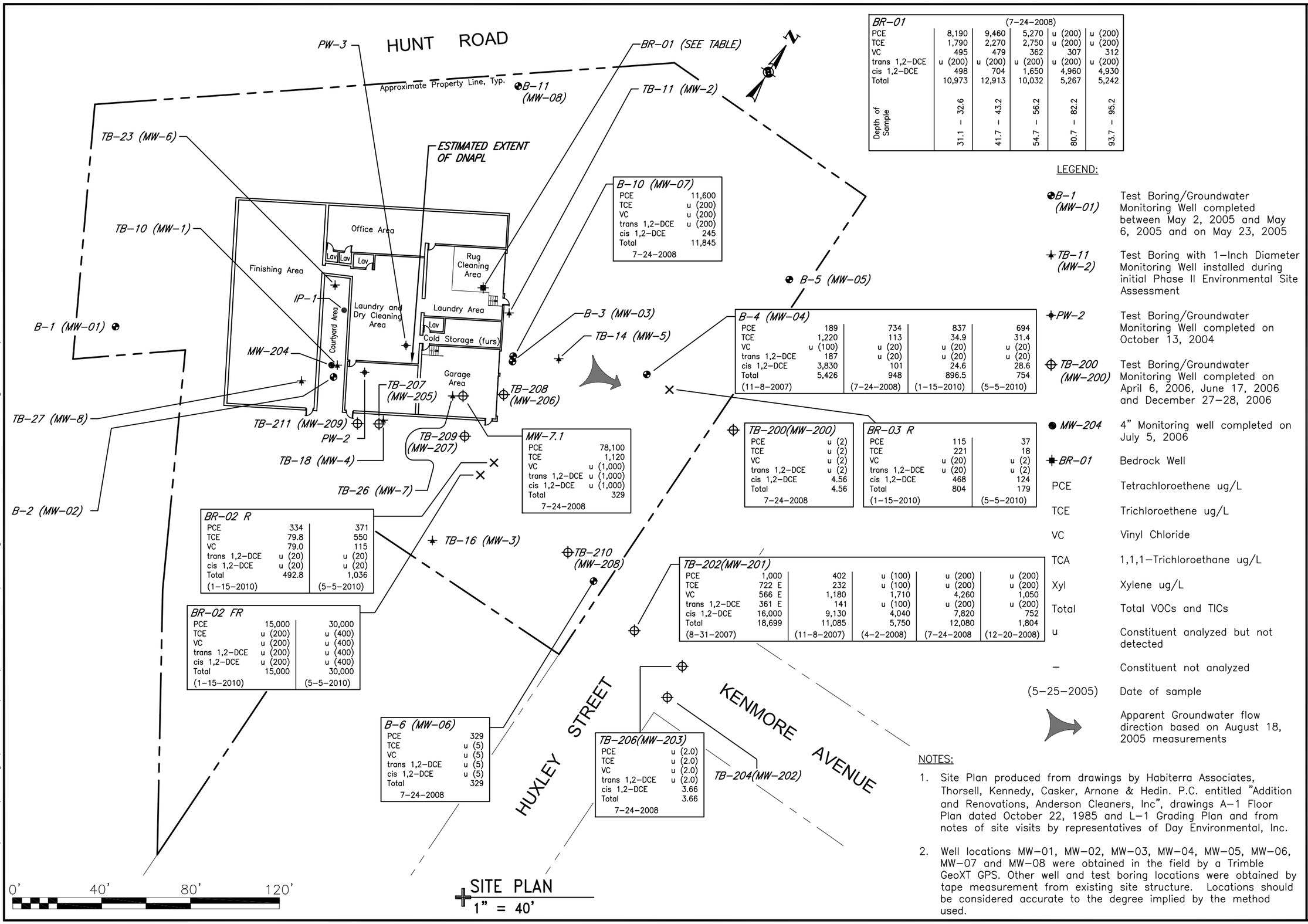
PROJECT TITLE
5 HUNT ROAD
JAMESTOWN, NEW YORK

REMEDIAL INVESTIGATION - BCP #C907027

DRAWING TITLE
Summary of VOC Test Results: Groundwater Samples

PROJECT NO.
3563S-04

FIGURE 7



BR-01	(7-24-2008)				
PCE	8,190	9,460	5,270	u (200)	u (200)
TCE	1,790	2,270	2,750	u (200)	u (200)
VC	495	479	362	307	312
trans 1,2-DCE	u (200)	u (200)	u (200)	u (200)	u (200)
cis 1,2-DCE	498	704	1,650	4,960	4,930
Total	10,973	12,913	10,032	5,267	5,242
Depth of Sample	31.1 - 32.6	41.7 - 43.2	54.7 - 56.2	80.7 - 82.2	93.7 - 95.2

B-10 (MW-07)	
PCE	11,600
TCE	u (200)
VC	u (200)
trans 1,2-DCE	u (200)
cis 1,2-DCE	245
Total	11,845
7-24-2008	

B-4 (MW-04)				
PCE	189	734	837	694
TCE	1,220	113	34.9	31.4
VC	u (100)	u (20)	u (20)	u (20)
trans 1,2-DCE	187	u (20)	u (20)	u (20)
cis 1,2-DCE	3,830	101	24.6	28.6
Total	5,426	948	896.5	754
(11-8-2007)		(7-24-2008)	(1-15-2010)	(5-5-2010)

MW-7.1	
PCE	78,100
TCE	1,120
VC	u (1,000)
trans 1,2-DCE	u (1,000)
cis 1,2-DCE	u (1,000)
Total	329
7-24-2008	

TB-200(MW-200)	
PCE	u (2)
TCE	u (2)
VC	u (2)
trans 1,2-DCE	u (2)
cis 1,2-DCE	4.56
Total	4.56
7-24-2008	

BR-03 R		
PCE	115	37
TCE	221	18
VC	u (20)	u (2)
trans 1,2-DCE	u (20)	u (2)
cis 1,2-DCE	468	124
Total	804	179
(1-15-2010)		(5-5-2010)

BR-02 R		
PCE	334	371
TCE	79.8	550
VC	79.0	115
trans 1,2-DCE	u (20)	u (20)
cis 1,2-DCE	u (20)	u (20)
Total	492.8	1,036
(1-15-2010)		(5-5-2010)

BR-02 FR		
PCE	15,000	30,000
TCE	u (200)	u (400)
VC	u (200)	u (400)
trans 1,2-DCE	u (200)	u (400)
cis 1,2-DCE	u (200)	u (400)
Total	15,000	30,000
(1-15-2010)		(5-5-2010)

TB-202(MW-201)					
PCE	1,000	402	u (100)	u (200)	u (200)
TCE	722 E	232	u (100)	u (200)	u (200)
VC	566 E	1,180	1,710	4,260	1,050
trans 1,2-DCE	361 E	141	u (100)	u (200)	u (200)
cis 1,2-DCE	16,000	9,130	4,040	7,820	752
Total	18,699	11,085	5,750	12,080	1,804
(8-31-2007)		(11-8-2007)	(4-2-2008)	(7-24-2008	(12-20-2008)

B-6 (MW-06)	
PCE	329
TCE	u (5)
VC	u (5)
trans 1,2-DCE	u (5)
cis 1,2-DCE	u (5)
Total	329
7-24-2008	

TB-206(MW-203)	
PCE	u (2.0)
TCE	u (2.0)
VC	u (2.0)
trans 1,2-DCE	u (2.0)
cis 1,2-DCE	3.66
Total	3.66
7-24-2008	

LEGEND:

B-1 (MW-01)	Test Boring/Groundwater Monitoring Well completed between May 2, 2005 and May 6, 2005 and on May 23, 2005
TB-11 (MW-2)	Test Boring with 1-Inch Diameter Monitoring Well installed during initial Phase II Environmental Site Assessment
PW-2	Test Boring/Groundwater Monitoring Well completed on October 13, 2004
TB-200 (MW-200)	Test Boring/Groundwater Monitoring Well completed on April 6, 2006, June 17, 2006 and December 27-28, 2006
MW-204	4" Monitoring well completed on July 5, 2006
BR-01	Bedrock Well
PCE	Tetrachloroethene ug/L
TCE	Trichloroethene ug/L
VC	Vinyl Chloride
TCA	1,1,1-Trichloroethane ug/L
Xyl	Xylene ug/L
Total	Total VOCs and TICs
u	Constituent analyzed but not detected
-	Constituent not analyzed
(5-25-2005)	Date of sample
	Apparent Groundwater flow direction based on August 18, 2005 measurements

NOTES:

1. Site Plan produced from drawings by Habiterra Associates, Thorsell, Kennedy, Casker, Arnone & Hedin. P.C. entitled "Addition and Renovations, Anderson Cleaners, Inc", drawings A-1 Floor Plan dated October 22, 1985 and L-1 Grading Plan and from notes of site visits by representatives of Day Environmental, Inc.
2. Well locations MW-01, MW-02, MW-03, MW-04, MW-05, MW-06, MW-07 and MW-08 were obtained in the field by a Trimble GeoXT GPS. Other well and test boring locations were obtained by tape measurement from existing site structure. Locations should be considered accurate to the degree implied by the method used.

PROJECT MANAGER: RLK | DATE: 03-2011
DRAWN BY: RJM | DATE DRAWN: 03-07-2011
SCALE: As Noted | DATE ISSUED: 03-2011

DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14614-1008
NEW YORK, NEW YORK 10016-0710

PROJECT TITLE
5 HUNT ROAD
JAMESTOWN, NEW YORK
REMEDIAL INVESTIGATION - BCP #C907027

DRAWING TITLE
Summary of VOC Test Results: Groundwater Samples

PROJECT NO.
3563S-04

FIGURE 7A

Ref1:
Ref2:
Ref3:

Xerox432AnsiB-2; 11 x 17
Layout Name: Layout1
Pen Setting File: 800psFullcolor.ctb

Time Plotted: Tuesday, March 15, 2011 1:46:35 PM
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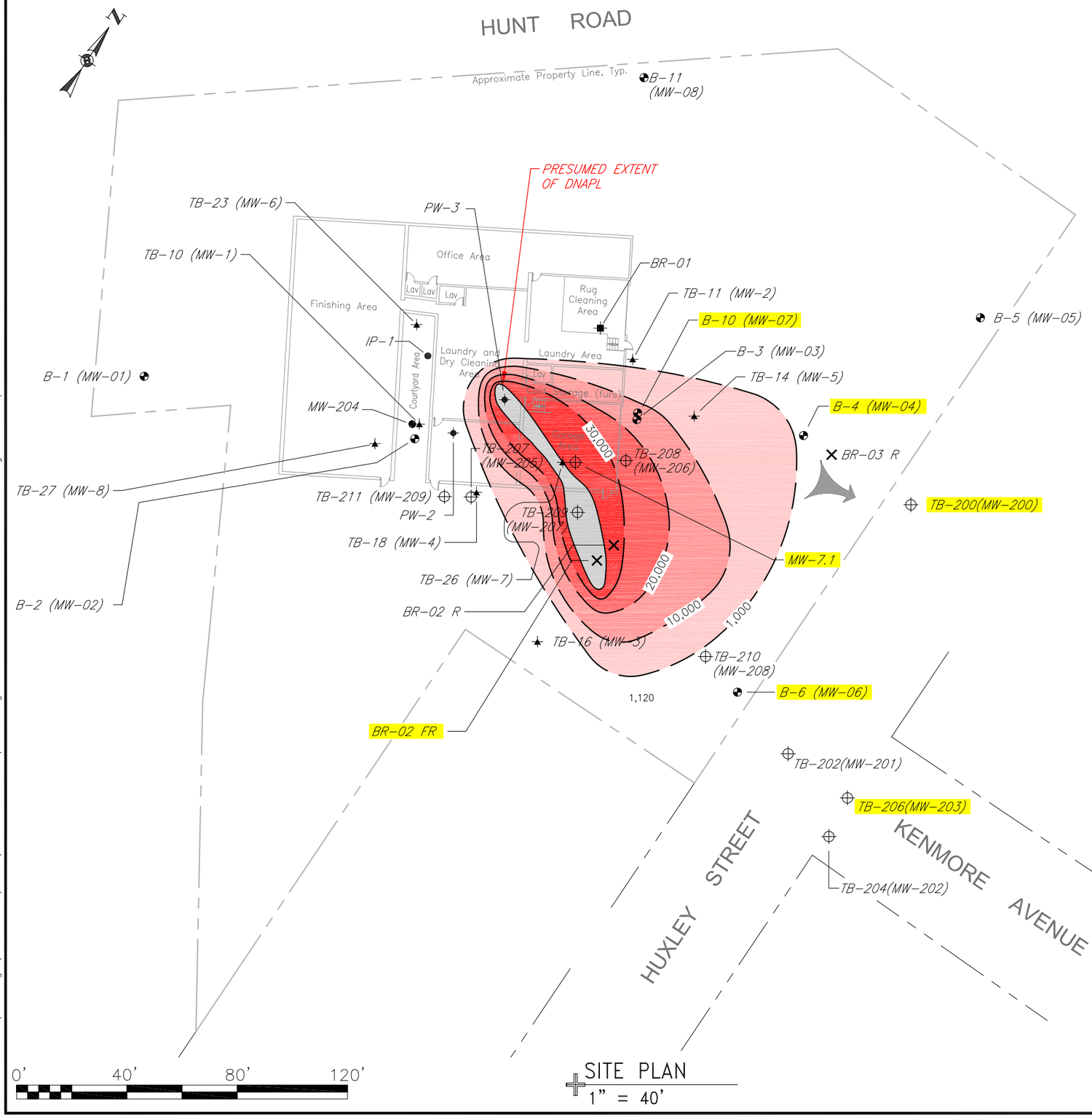


LEGEND:

B-1	Data from Monitoring Well location used in the generatrion of VOC Concentration Contour Lines
— — —	Total VOC Concentration Contour Line
B-1 (MW-01)	Test Boring/Groundwater Monitoring Well completed between May 2, 2005 and May 6, 2005 and on May 23, 2005
TB-11 (MW-2)	Test Boring with 1-Inch Diameter Monitoring Well installed during initial Phase II Environmental Site Assessment
PW-2	Test Boring/Groundwater Monitoring Well completed on October 13, 2004
TB-200 (MW-200)	Test Boring/Groundwater Monitoring Well completed on April 6, 2006, June 17, 2006 and December 27-28, 2006
MW-204	4" Monitoring well completed on July 5, 2006
BR-01	Bedrock Well
	Apparent Groundwater flow direction based on August 18, 2005 measurements

NOTES:

1. Site Plan produced from drawings by Habiterra Associates, Thorsell, Kennedy, Casker, Arnone & Hedin. P.C. entitled "Addition and Renovations, Anderson Cleaners, Inc", drawings A-1 Floor Plan dated October 22, 1985 and L-1 Grading Plan and from notes of site visits by representatives of Day Environmental, Inc.
2. Well locations MW-01, MW-02, MW-03, MW-04, MW-05, MW-06, MW-07 and MW-08 were obtained in the field by a Trimble GeoXT GPS. Other well and test boring locations were obtained by tape measurement from existing site structure. Locations should be considered accurate to the degree implied by the method used.

PROJECT MANAGER	RLK
DATE	07-08-2011
DRAWN BY	RJM
DATE DRAWN	07-08-2011
SCALE	As Noted
DATE ISSUED	07-11-2011

DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14614-1008
NEW YORK, NEW YORK 10016-0710

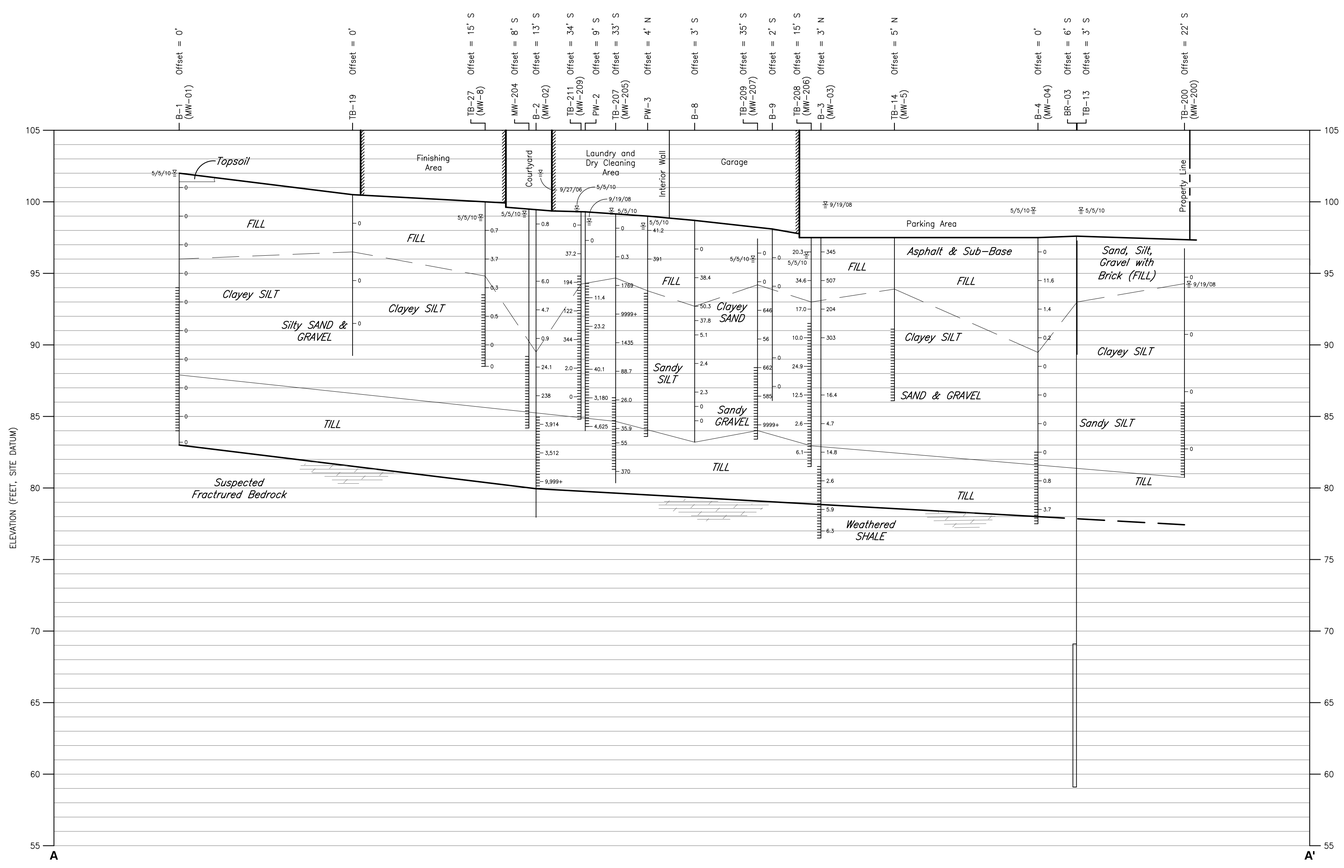
PROJECT TITLE
5 HUNT ROAD
JAMESTOWN, NEW YORK

REMEDIAL INVESTIGATION - BCP #C907027

DRAWING TITLE
Presumed Extent Of Total VOC Impact: Groundwater

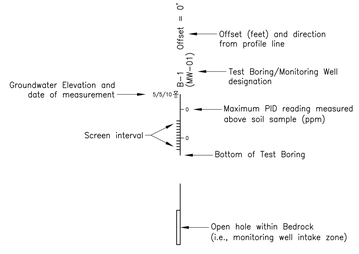
PROJECT NO.
3563S-04

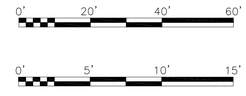
FIGURE 7B



GEOLOGIC CROSS-SECTION A-A'

1" = 20' Horizontal
1" = 5' Vertical





	DATE	BY
7		
6		
5		
4		
3		
2		
1		

REVISIONS

PROJECT MANAGER: RLK
DRAWN BY: RJM
CHECKED BY: CAH
APPROVED BY: RLK
SCALE: As Noted
DATE: 6-2010
AS-BUILT DATE: 6-11-2010
DATE: 6-22-2010
DATE: 6-24-2010
DATE ISSUED: 03-2011

DAY ENVIRONMENTAL, INC.
[SIGNATURE] ALTERATION
THIS DOCUMENT MAY NOT BE ALTERED BY ANY PERSON OTHER THAN A LICENSED ENGINEER, INC.

PROJECT TITLE
5 HUNT ROAD
JAMESTOWN, NEW YORK

REMEDIAL INVESTIGATION - BCP #C907027

DRAWING TITLE
Cross-Section A-A'

PROJECT NO.
3563S-04

FIGURE NO.
Figure 8

day
DAY ENVIRONMENTAL, INC.
ENGINEERING CONSULTANTS
ROCHESTER, NEW YORK 14614-1008
NEW YORK, NEW YORK 10016-0710

Reference Files Attached:

REF1: CrossSect_AA-June-2010	REF6:
REF2:	REF7:
REF3:	REF8:
REF4:	REF9:
REF5:	REF10:

File Name: U:\McPhee\Drawings\Brownfield\3563\3563 Sections June-2010.dwg
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Time Plotted: Monday, March 15, 2011 1:48:17 PM
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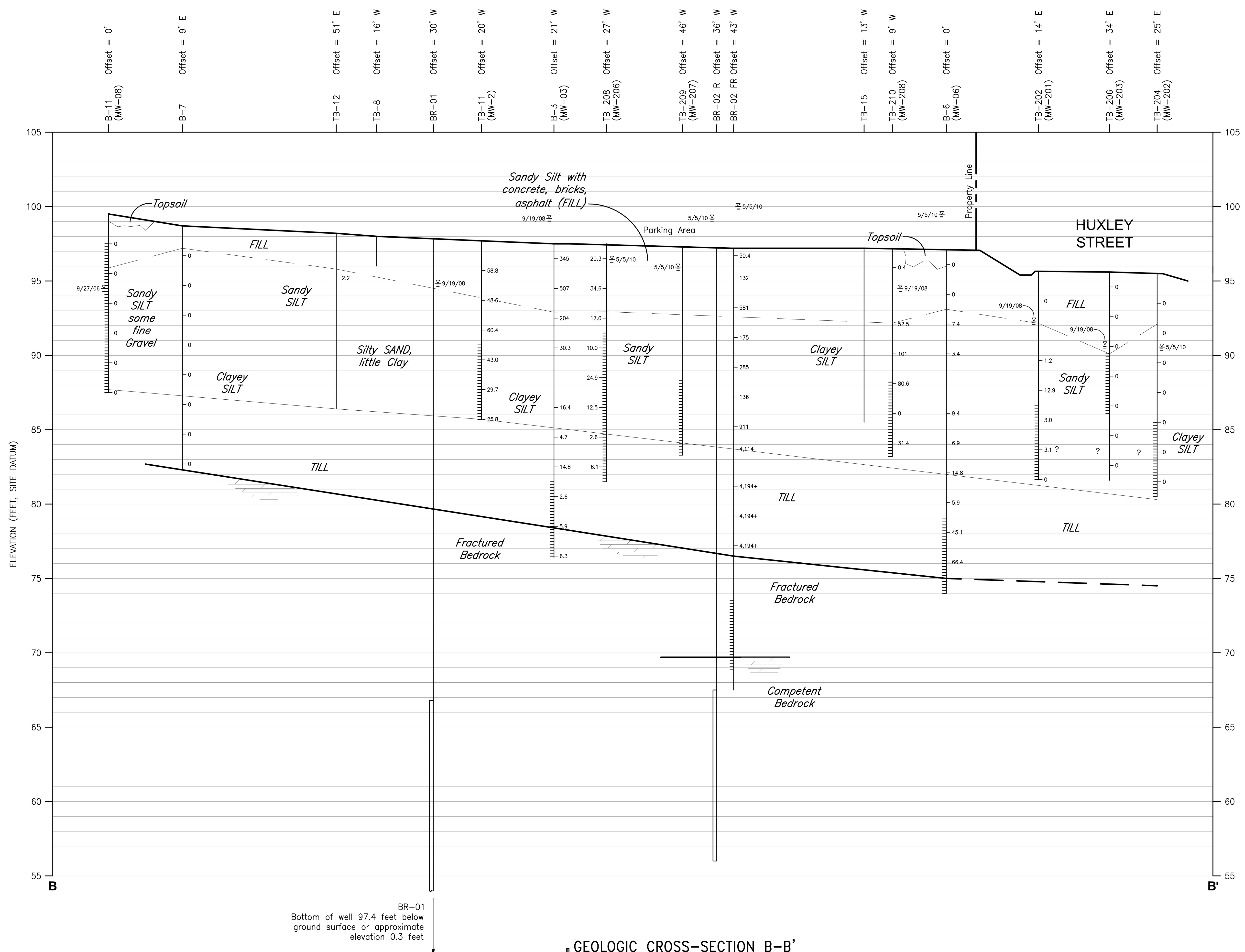
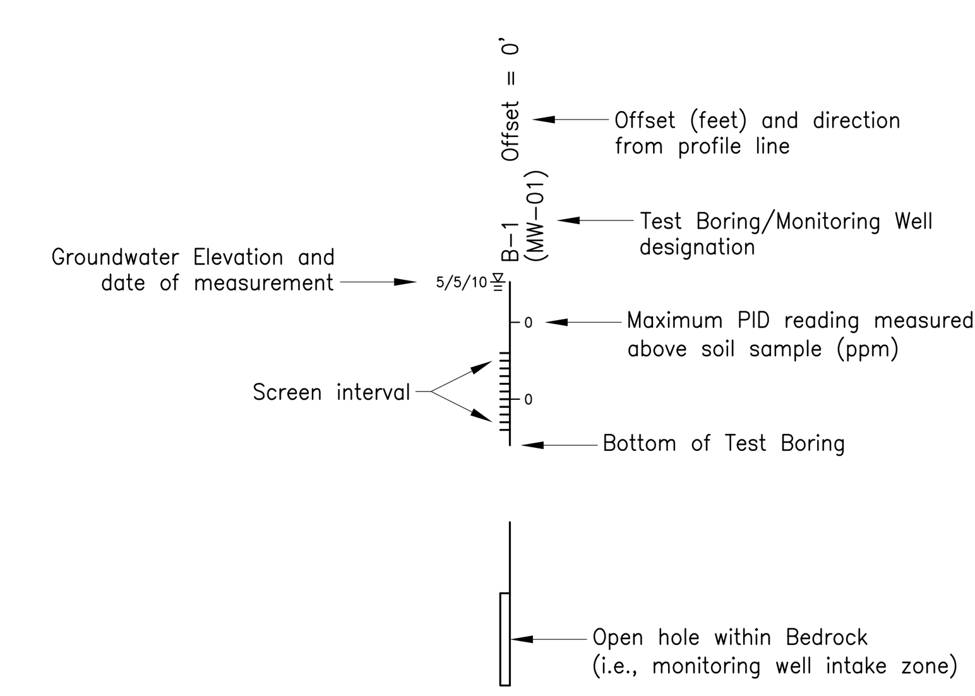
ANSI "D" (22x34)
DayEnv_AnsiD



GEOLOGIC CROSS-SECTION B-B'

1" = 20' Horizontal
1" = 5' Vertical



0' 20' 40' 60'

0' 5' 10' 15'

DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14614-1008
NEW YORK, NEW YORK 10016-0710

PROJECT TITLE: 5 HUNT ROAD JAMESTOWN, NEW YORK

REMEDIAL INVESTIGATION - BCP #C907027

DRAWING TITLE: Cross-Section B-B'

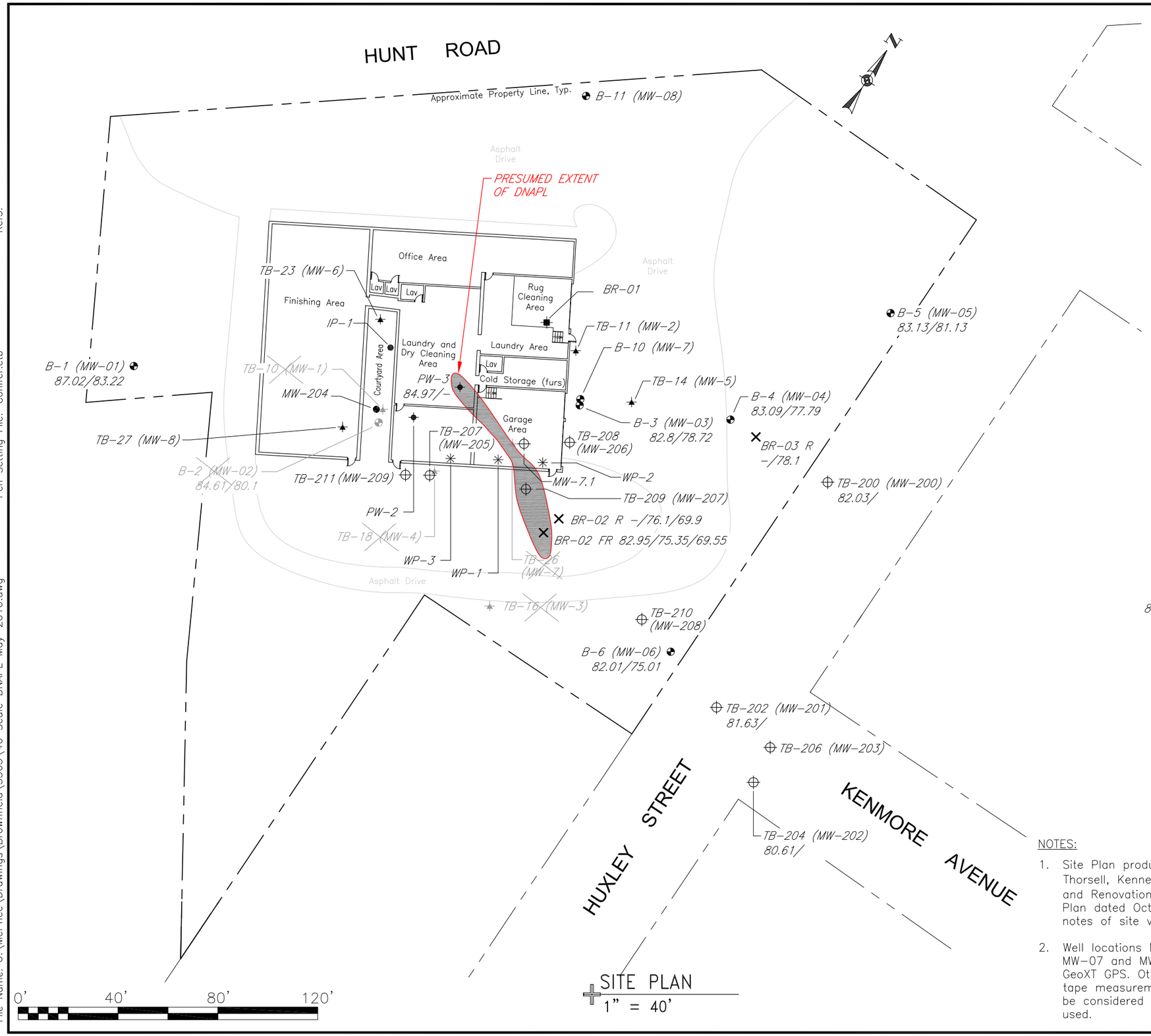
PROJECT NO. 3563S-04

FIGURE NO. **Figure 9**

PROJECT MANAGER	DATE
RLK	6-2010
DRAWN BY RJM	DATE DRAWN 6-11-2010
CHECKED BY CAH	DATE 6-22-2010
APPROVED BY RLK	DATE 6-24-2010
SCALE As Noted	DATE ISSUED 03-2011

REVISIONS: 7 6 5 4 3 2 1 — DATE — BY

ANSI "D" (22x34)
DayEnv_AnsiD



LEGEND:

B-1 (MW-01)	Test Boring/Groundwater Monitoring Well completed between May 2, 2005 and May 6, 2005 and on May 23, 2005
TB-11 (MW-2)	Test Boring / Groundwater Monitoring Well installed during initial Phase II Environmental Site Assessment
PW-2	Test Boring/Groundwater Monitoring Well completed on October 13, 2004
TB-200 (MW-200)	Test Boring/Groundwater Monitoring Well completed on April 6, 2006, June 17, 2006 and December 27-28, 2006
WP-3	Hand Driven Well Point Installed July/August 2007
MW-204	Groundwater Monitoring well completed on July 5, 2006
BR-01	Existing Bedrock Well
~~TB-16 (MW-3)~~	Groundwater Monitoring Well Removed/Decomissioned
BR-02 FR	Groundwater Monitoring Well Installed In Fractured Rock November 12-18, 2009
BR-02 R	Groundwater Monitoring Well Installed In Competent Rock November 12-18, 2009

82.95/75.35/69.55
- Top Of Competent Rock Elevation
- Top Of Fractured Bedrock Elevation
- Top Of Till Elevation

NOTES:

1. Site Plan produced from drawings by Habiterra Associates, Thorsell, Kennedy, Casker, Arnone & Hedin. P.C. entitled "Addition and Renovations, Anderson Cleaners, Inc", drawings A-1 Floor Plan dated October 22, 1985 and L-1 Grading Plan and from notes of site visits by representatives of Day Environmental, Inc.
2. Well locations MW-01, MW-02, MW-03, MW-04, MW-05, MW-06, MW-07 and MW-08 were obtained in the field by a Trimble GeoXT GPS. Other well and test boring locations were obtained by tape measurement from existing site structure. Locations should be considered accurate to the degree implied by the method used.

PROJECT MANAGER	RLK
DATE	6-2010
DRAWN BY	RJM
DATE DRAWN	6-23-2010
SCALE	As Noted
DATE ISSUED	03-2011

DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14614-1008
NEW YORK, NEW YORK 10016-0710

PROJECT TITLE
5 HUNT ROAD
JAMESTOWN, NEW YORK

REMEDIAL INVESTIGATION - BCP #C907027

DRAWING TITLE
Presumed DNAPL Extent and Top of Till/ Top of Fractured Bedrock/Top of Competent Rock Elevations

PROJECT NO.
3563S-04

FIGURE 10

- Privileged and Confidential -

PHASE I ENVIRONMENTAL SITE ASSESSMENT
REPORT

CLIENT

PREPARED FOR:	Anderson Cleaners 5 Hunt Road Jamestown, New York
CLIENT CONTACT:	Mr. Michael Lyons (716) 665-2473

PROPERTY INFORMATION

ADDRESS:	5 Hunt Road, vacant land on Hunt Road, and vacant land on Huxley Street
MUNICIPALITY:	Town of Ellicott and City of Jamestown
COUNTY/STATE:	Chautauqua County, New York
TAX ACCOUNT #:	32-1-1, 32-1-11, 504-1-1, 504-1-2, and 504-1-3
PARCEL SIZE:	Approximately 2.44 acres
IMPROVEMENTS:	An approximate 11,400-square foot, one-story building. Brick and block construction. Dates of construction: southwest (finishing) portion: 1930's; south-central (dry cleaning) portion: 1947; northern (office) portion and eastern (garages) portion: 1985
CURRENT USE:	Dry cleaning plant and retail
CURRENT OWNER:	Mr. Michael Lyons
PAST USE:	Towel factory
SITE CONTACT:	Mr. Michael Lyons (716) 665-2473
SITE LOCATION MAP:	Attached in Appendix A

SUMMARY OF ENVIRONMENTAL CONCERNS

ENVIRONMENTAL CONCERNS:	(X) Environmental Concern(s) Identified
	( ) Environmental Concern(s) Not Identified
FURTHER INVESTIGATION(S):	(X) Further Investigation(s) Recommended
	( ) Further Investigation(s) Not Recommended

ASSESSMENT SUMMARY

Notes:

1. An abstract of title was not provided to assist in determining prior property ownership and uses. Investigation of property history, and requesting environmental agency information concerning prior owners, are important elements of a Phase I Environmental Site Assessment (Phase I ESA). The conclusions in this report are subject to any state of facts which review of an abstract of title might show, directly or indirectly (refer to Section 1.1).

2. It was a reported that a fire occurred on the assessed property in 1985, and that the fire destroyed an office building and a garage on the assessed property. It was also reported that the fire did not directly affect the dry cleaning plant (south-central) portion of the assessed property, although the dry cleaning plant did suffer heat damage (refer to Sections 4.1 and 4.3). Since the fire did not directly affect the dry cleaning portion of the assessed property, investigation on the assessed property regarding the fire does not appear warranted at this time.

ENVIRONMENTAL STATUS OF PROPERTY:

Based on the investigations performed, further inquiry is needed to appropriately assess the environmental status of the assessed property. Listed below are the environmental concerns and recommended actions that have been identified:

1. **Former Underground Storage Tanks:** It was reported that underground storage tanks (USTs) that were used to contain stoddard solvent were formerly located on the assessed property. It was reported that the USTs were installed in 1947 in a location that is currently underneath the southernmost garage of the assessed building. It was also reported that the tanks were removed some time between 1978 and 1985 (refer to Sections 4.1, 4.2, and 4.4).

   Recommendations: It is recommended that a cursory subsurface study be conducted in the suspected former tank location area to evaluate the potential existence of contamination resulting from the past presence of USTs. If evidence of contamination is encountered in the soil and/or groundwater, further studies and/or remediation of soil and/or groundwater may be warranted.

2. **Historical Use/Historical Practices/Former Floor Drain:** It was reported that the assessed property has been used as a dry cleaning operation since 1947 (refer to Section 4.4). It was also reported that waste oil may have been used for dust suppression on areas of the assessed property (refer to Sections 4.1 and 4.4). Also, it was reported that at one time a floor drain was located in the dry cleaning area of the assessed property, and that this floor drain has been capped off (refer to Section 4.2). The discharge location of this former floor drain is unknown. (Note, if leaks or spills of dry cleaning solvents, petroleum products, hazardous materials, or other such materials were discharged into the floor drain, and the floor drain was not connected to the sanitary sewer (or if the integrity of these systems is poor), the potential exists for contamination of the environment).

ASSESSMENT SUMMARY (Cont.)

Recommendations: It is recommended that cursory subsurface studies be performed in areas historically used for storage or use of dry cleaning solvents and chemicals, in suspected waste oil application areas, and in the former floor drain area to evaluate the potential existence of contamination resulting from past discharges. If evidence of contamination is encountered in the soil and/or groundwater during these studies, further studies and/or remediation may be warranted.

3. **Suspect Asbestos-Containing Material (SACM):** Suspect asbestos-containing material (SACM) that was observed to be in damaged and/or friable condition is identified as follows (refer to Section 3.5):

   - Approximately 50 linear feet of pipe wrap insulation with nicks, gouges, and exposed ends on steam piping in the finishing area of the assessed building.

   Recommendations: Since the amount of damaged and/or friable SACM is minor, it is recommended that it be assumed that the SACM contains asbestos, and that the material be removed and disposed of by a licensed and accredited asbestos-abatement contractor in accordance with current applicable state and federal regulations.

No other environmental concerns have been identified.

OPERATIONAL CONCERN AND RECOMMENDATIONS:

Although beyond the scope of the routine environmental site assessment, the operational concern listed below has been identified. This operational concern is not considered to be a liability which should normally impact real estate or mortgage loan transactions. Rather, this concern is listed for informational purposes, and it is recommended that it be addressed for compliance with existing regulations and/or to minimize the potential for future environmental liabilities. Since identification of operational concerns is incidental to the purpose of this assessment, correction of this item may not necessarily result in full compliance with all applicable environmental regulations.

1. **Spillage of perchloroethylene:** A spill of perchloroethylene was observed near the southernmost dry cleaning machine in the dry cleaning area of the assessed building. This spill appeared to be the result of leakage from the dry cleaning machine (refer to Section 3.3).

   Recommendations: It is recommended that this area of spillage be cleaned up and disposed of in accordance with applicable regulations. It is also recommended that the dry cleaning machine be checked for leaks and repaired if necessary.

1.0 TITLE AND HISTORICAL DATA

1.1 ABSTRACT OF TITLE: See Footnote (1.1)

1.2 AERIAL PHOTOGRAPHS: Chautauqua County Soil Conservation Service
Photograph Dates: 1938, 1956, 1966, 1977, and 1990
See Footnote (1.2)

1.3 TOPOGRAPHIC MAP: Lakewood Quadrangle (map date 1954, photorevised 1979)

1.4 ATLAS OF CHAUTUQUA: Fenton History Center
Map Date: 1881
See Footnote (1.4)

1.5 DIRECTORIES: Fenton History Center
Directory Dates: 1946, 1950, 1957-58, 1967, 1977, 1985, and 1991
See Footnote (1.5)

1.6 FLOOR PLANS: Plan Date: 10/24/85
See Footnote (1.6)

1.7 SURVEY MAP: Map Date: 5/12/75
Attached in Appendix A

PERTINENT INFORMATION, REFERENCED TO ITS SOURCE, IS SUMMARIZED BELOW:

(1.1) An abstract of title was not provided to assist in determining prior property ownership and uses. Investigation of property history, and requesting environmental agency information concerning prior owners, are important elements of a Phase I ESA. The conclusions in this report are subject to any state of facts which review of an abstract of title might show, directly or indirectly.

(1.2) A review of the aerial photographs (listed above) did not identify environmental concerns on the assessed property. In the 1938 photograph, one building with two large sections and one smaller section appeared to be located on the assessed property. In the 1956 through 1977 photographs, one building with three large sections and one smaller section, in a different configuration than the 1938 photograph, appeared to be located on the assessed property. In 1990 photograph, one building in a different configuration, with what appeared to be four sections, appeared to be located on the assessed property.

(1.4) A review of the 1881 Atlas of Chautauqua indicated that the portion of the assessed property located in the Town of Ellicott (i.e., the portion of the assessed property currently containing the building) appeared to be part of a 42-acre parcel of land identified as being owned by Mrs. Bratt. The portion of the assessed property located in the City of Jamestown (i.e., the portion of the assessed property that is currently vacant) appeared to be part of a 25-acre parcel of property identified as being owned by E. & F. Hunt. No structures appeared to be located on the assessed property.

1.0 TITLE AND HISTORICAL DATA (Cont.)

(1.5) A review of Polk street directories indicated the following occupants of the assessed property:

- 1946: Anderson Cleaning Works
- 1950: Anderson Cleaners
- 1957-58: Anderson Cleaners, Anderson Specialty Manufacturing Company (clothing cleaning equipment)
- 1967: Anderson Cleaners, Anderson Specialty Manufacturing Company (cleaning equipment), Jamestown Armored Car Service, Inc.
- 1977: Anderson Cleaners, Jamestown Armored Car Service, Inc.
- 1985: Anderson Cleaners, Jamestown Armored Car Service, Inc.
- 1991: Anderson Cleaners, Jamestown Armored Car Service, Inc., Lutheran Brotherhood, Lyons Den (men's clothing-retail)

(1.6) A review of plans dated 10/24/85 indicated that one floor drain is located in each of the two garages on the assessed property, and that one floor drain is located in the bathroom located between the two garages on the assessed property. The plans also indicated that the floor drains discharge to the sanitary sewer system. The plans indicated that the building discharges to the City of Jamestown sanitary sewer system, and that the abandoned sanitary sewer line which previously discharged to the Town of Ellicott sanitary sewer system (and subsequently connected to the City of Jamestown sanitary sewer system) was capped.

2.0 PUBLIC INFORMATION/AGENCIES

2.1 NYSDEC FOIL:

Michael Lyons, Anderson Cleaners, Jamestown Armored Car Service, Inc., Lutheran Brotherhood, Lyons Den, Anderson Specialty Manufacturing Co., Burton Anderson, Sydney Anderson: 5 Hunt Road, vacant land on Hunt Road and Huxley Street, Town of Ellicott and City of Jamestown, New York.
Date of Request: 3/24/99
Date of Response: 4/26/99
See Footnote (2.1)

2.2 CHAUTAUQUA COUNTY:

Department of Health
Mr. Steve Johnson, P.E.
(716) 753-4481
Freedom of Information Law Request Submitted: 3/15/99
Response Received: 3/26/99
See Footnote (2.2)

2.3 TOWN OF ELLICOTT:

Mr. Bill Davies, Building Inspector
(716) 665-5317
Date of Contact: 3/19/99
See Footnote (2.3)

Assessor's Office
(716) 665-5317
Date of Contact: 3/18/99

2.4 VILLAGE OF CELORON

Mr. Scott Bailey, Fire Chief
(716) 483-6890
Date of Contact: 3/19/99
See Footnote (2.4)

2.5 CITY OF JAMESTOWN

Assessor's Office
(716) 483-7510
Date of Contact: 3/18/99

2.6 SOLID AND/OR INACTIVE HAZARDOUS WASTE SITE DATABASES:

2.6.1 NYSDEC: Records Date: 1/99

Assessed Property: Not Listed.
1-Mile Radius: None Listed.

2.6.2 NPL: Records Date: 1/98

Assessed Property: Not Listed.
1-Mile Radius: None Listed.

2.0 PUBLIC INFORMATION/AGENCIES (Cont.)

2.6.3 CERCLIS: Records Date: 4/98

Assessed Property: Not Listed.
0.5-Mile Radius: None Listed.

2.6.4 NYS FACILITY REGISTER: Records Date: 6/98

Assessed Property: Not Listed.
0.5-Mile Radius: None Listed.

2.6.5 NYSDEC HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES: Records Date: 12/98

Assessed Property: Not Listed.
1-Mile Radius: None Listed.

2.7 TANK REGISTRATION RECORDS:

2.7.1 NYSDEC PBS: Records Date: 12/98

Assessed Property: Not Listed.
Adjoining Property: None Listed.

2.8 NYSDEC SPILLS/LUST: Records Date: 12/98

Assessed Property: Not Listed.
0.5-Mile Radius: Listed. See Footnote (2.8)

2.9 OTHER GOVERNMENTAL RECORDS:

2.9.1 RCRA TSD FACILITIES: Records Date: 4/97

Assessed Property: Not Listed.
1-Mile Radius: None Listed.

2.9.2 RCRA GENERATORS: Records Date: 4/97

Assessed Property: Listed. See Footnote (2.9.2)
Adjoining Property: None Listed.

2.9.3 ERNS List: Records Date: 2/98

Assessed Property: Not Listed.

2.0 PUBLIC INFORMATION/AGENCIES (Cont.)

PERTINENT INFORMATION, REFERENCED TO ITS SOURCE, IS SUMMARIZED BELOW.

(2.1) A Freedom of Information Law (FOIL) request was submitted to the New York State Department of Environmental Conservation (NYSDEC) for the assessed property. The response indicated that the NYSDEC has no files in relation to the assessed property.

(2.2) A Freedom of Information Law (FOIL) request was submitted to the Chautauqua County Department of Health (CCDOH) for the assessed property. The response indicated that the CCDOH has no files in relation to the assessed property.

(2.3) Mr. Davies, Town of Ellicott Building Inspector, indicated that he has no knowledge of environmental problems or fill at the assessed property. Mr. Davies indicated that the assessed property is serviced by the public water and public sewer systems.

(2.4) Mr. Bailey, Village of Celoron Fire Chief, indicated that he has no knowledge of spills, storage tanks, or environmental problems at the assessed property.

(2.8) A review of the NYSDEC spills database identified up to six closed spills within a 0.5-mile radius of the assessed property. A spill listed as closed normally indicates that investigations and/or remediation at the spill site have been completed.

One active spill was also identified within a 0.5-mile radius of the assessed property. The active spill site was listed as located approximately 0.5-miles east of the assessed property. The distance and location of this active spill site from the assessed property suggest no environmental impact upon the assessed property.

(2.9.2) The assessed facility has received a USEPA identification number (Code #NYD012774063). This listing indicates that hazardous waste is generated on the assessed property (i.e., perchloroethylene sludge, dry cleaning filter cartridges, etc).

3.0 SITE OBSERVATIONS

Date Of Site Visit:	3/17/99 and 6/14/99
Assessor(s):	Susan E. Robertson

3.1	**FILL:**	No Observations of Concern.
3.2	**DEBRIS/DUMPING:**	No Observations of Concern.
3.3	**SPILLAGE/STAINING:**	No Observations of Concern. See Footnote (3.3)
3.4	**UTILITIES:**	
	3.4.1 TRANSFORMERS:	No Observations of Concern.
	3.4.2 FLOOR DRAINS/SUMPS:	No Observations of Concern. See Footnote (3.4.2)
	3.4.3 SERVICES:	No Observations of Concern. See Footnote (3.4.3)
3.5	**ASBESTOS:**	Observations of Concern. See Footnote (3.5)
3.6	**OPERATIONS/EQUIPMENT:**	
	3.6.1 STORAGE TANKS:	No Observations of Concern
	3.6.2 MATERIALS STORAGE:	No Observations of Concern. See Footnote (3.6.2)
	3.6.3 MATERIALS USE:	No Observations of Concern
	3.6.4 SOLID WASTE:	No Observations of Concern. See Footnote (3.6.4)
	3.6.5 WASTEWATER:	No Observations of Concern.
	3.6.6 AIR EMISSIONS:	No Observations of Concern
	3.6.7 EQUIPMENT:	No Observations of Concern. See Footnote (3.6.7)
3.7	**TOPOGRAPHIC CONDITIONS:**	No Observations of Concern. See Footnote (3.7)
3.8	**ADJOINING PROPERTIES:**	No Observations of Concern.

North:	Hunt Road, with greenhouses and residential beyond.
East:	Huxley Road, with church beyond.
South:	Electrical substation, with residential beyond.
West:	Residential.

3.0 SITE OBSERVATIONS (Cont.)

PERTINENT INFORMATION, REFERENCED TO ITS SOURCE, IS SUMMARIZED BELOW

(3.3) A spill of perchloroethylene was observed near the southernmost dry cleaning machine in the dry cleaning area of the assessed building. This spill appeared to be the result of leakage from the dry cleaning machine. The spill was less than one square foot in size. This spill did not appear to represent an environmental concern.

(3.4.2) One floor drain was observed in each of the two garages on the assessed property. One floor drain was also observed in the restroom between the two garages on the assessed property. No signs of concern (e.g., sheen or odors) were observed in the vicinity of the floor drains on the assessed property.

(3.4.3) The assessed property is serviced by municipal water and sewer systems. It was reported that the assessed building was connected to the public sanitary sewer system at the time of building construction (refer to Sections 4.1 and 4.4). The assessed building, with the exception of the office area, is heated with a boiler system which is fueled with natural gas. The office area of the assessed building is heated with a forced-air furnace system which is fueled with natural gas.

(3.5) Suspect asbestos-containing material (SACM) that was observed to be in damaged and/or friable condition is identified as follows:

- Approximately 50 linear feet of pipe wrap insulation with nicks, gouges, and exposed ends on steam piping in the finishing area of the assessed building.

(3.6.2) Materials observed to be stored in the dry cleaning portion of the assessed building included:

- Two approximate 30-gallon containers of waste sludge;
- one 5-gallon container of waste lint;
- one approximate 40-gallon container of dry cleaning soap;
- two 5-gallon containers of paint; and
- one 1-gallon container of paint thinner.

Materials observed to be stored in the garage/standard laundry portion of the assessed building included:

- Four 5-gallon containers of bleach;
- two 5-gallon containers of alkaline detergent;
- two 5-gallon containers of sour soap rinse/remover;
- seven 5-gallon containers of various detergents;
- one 5-gallon container of color safe oxygen bleach;
- one 5-gallon container of sour rust-removing detergent;
- two 2-gallon containers of Wisk;

3.0 SITE OBSERVATIONS (Cont.)

- one 1-gallon container of Simple Green cleaner;
- three 1-gallon containers of citrus cleaner;
- four 1-gallon containers of spot remover;
- two 1-gallon containers of titanium stripper;
- one 1-gallon container of deodorizer;
- five 1-gallon containers of detergents;
- three 1-gallon containers of dry cleaning solvent spotting agent;
- one 1-gallon container of amyl acetate glue removal;
- one 1-gallon container of vinegar;
- two 1-gallon containers of Teflon water repellant;
- one 1-gallon container Wetspot blood remover;
- four 1-gallon containers of odor remover; and,
- one 1-gallon container of Murphy's Oil Soap.

Materials observed to be stored in the northernmost garage of the assessed building included:

- One 55-gallon drum of starch;
- seven 1-gallon containers of carpet cleaner; and,
- two 5-gallon containers of carpet cleaners.

Materials observed to be stored in the southernmost garage of the assessed building included:

- One 10-gallon container of car wash soap.

Materials observed to be stored in the boiler room of the assessed building included:

- Eleven 40-pound bags of salt for a water softener.

No signs of concern (e.g. spillage or staining) were observed in the vicinity of the materials stored on the assessed property.

(3.6.4) Solid waste generated on the assessed property is stored in a shed located on the southern portion of the assessed property. It was reported that solid waste is picked up for disposal off the assessed property by a local waste hauler (refer to Section 4.1).

(3.6.7) Equipment observed in the assessed building included:

- One electric and steam dryer located in the finishing area;
- 14 steam presses located in the finishing area;
- two dry cleaning machines located in the dry cleaning area;
- one water/perchloroethylene separator machine;
- one electric and steam dryer located in the dry cleaning area;
- one fur machine in the dry cleaning area;
- three standard washing machines located in the garage area;

3.0 SITE OBSERVATIONS (Cont.)

- three electric and steam dryers located in the garage/standard laundry area;
- one carpet cleaning machine located in the northernmost garage; and,
- two compressors located in the boiler room.

No signs of concern (e.g., spillage or staining) were observed in the vicinity of the equipment observed on the assessed property.

(3.7) The assessed property and surrounding area slope gently toward the east. There are no surface water bodies on the assessed property.

4.0 INTERVIEWS

4.1	Mr. Michael Lyons Property Owner Date of Interview: 3/17/99	Concern Identified. See Footnote (4.1)
4.2	Mr. Jack Bargar General Manager Anderson Cleaners Date of Interview: 3/17/99	Concern Identified. See Footnote (4.2)
4.3	Ms. Edith Woodward Plant Manager Anderson Cleaners Date of Interview: 3/17/99	No Concern Identified. See Footnote (4.3)
4.4	Mr. Burton Anderson Former Property Owner Date of Interview: 3/23/99	Concern Identified. See Footnote (4.4)

PERTINENT INFORMATION, REFERENCED TO ITS SOURCE, IS SUMMARIZED BELOW.

(4.1) Mr. Lyons indicated that he has no knowledge of current or past environmental liens against the assessed property, or knowledge of environmental concerns associated with the assessed property.

The following is a summary of information provided by Mr. Lyons:

- The assessed property has been a dry cleaning plant since the 1940s. During the time that the assessed property has been a dry cleaning plant, it has also housed a uniform rental business, an armored car business, and various offices. Prior to the use as a dry cleaning plant, the assessed property was used as a towel factory. Currently, the assessed property is used as a dry cleaning plant, a retail tuxedo shop, a retail novelty shop, and a computer software office.
- He has owned the assessed property since 1986. Previously, the assessed property was owned by Burton and Sydney Anderson, and prior to that, it was owned by their father, David Anderson. David Anderson purchased the assessed property in the mid-1940s.
- The assessed property consists of several parcels, some of which are in the Town of Ellicott, and some of which are in the City of Jamestown.
- A major fire occurred on the assessed property in 1985, destroying the former office building and a garage on the assessed property, which were approximately 8,000-square feet in size. The office building was a wooden two-story structure with an attic located on the northern portion of the assessed property, and the garage was a one-story building located to the east of the dry cleaning plant building. The fire was

4.0 INTERVIEWS (Cont.)

caused by a seize-up in a compressor located in the garage. After the fire, demolition materials were disposed of off-site.

- The fire engulfed the office and garage area of the assessed building; however, it did not directly affect the dry cleaning plant area or the finishing area.
- At the time of the fire, chemicals stored on site consisted of laundry soaps, spotting agents, and chloride powder.
- After the fire, a new one-story concrete block office building was built on the northern portion of the assessed property, and two garages were built adjoining the east end of the assessed building.
- The plumbing lines in the assessed building were reconfigured after the fire. Previously, the plumbing discharged to the Town of Ellicott sanitary sewer system. The plumbing was re-routed out the east side of the building into the City of Jamestown sanitary sewer system. The old sewer line was capped off.
- The assessed building has been connected to the public sanitary sewer since the time it was built.
- Floor drains are located in the garages in the assessed building and they are connected to the sanitary sewer system.
- The dry cleaning machines are a closed system. They are cooled by non-contact cooling water, which is discharged to the sanitary sewer system.
- The dry cleaning machines use perchloroethylene which is delivered directly to their machines by their supplier. The machines distill the solvent, re-using the distilled solvent, and collecting the waste material. The waste material is a sludge which consists of dirt and some solvent. Safety-Kleen picks up the sludge, lint from the dry cleaning machines, and filter cartridges from the dry cleaning machines for off-site processing and disposal.
- One unused but accessible well is located inside the assessed building. A spot in the parking lot of the assessed property where water naturally flows out of the ground may be the location of another old well.
- The portions of the assessed building constructed in 1985 are insulated with blown-in insulation. The roof is partially covered with a rubberized roofing material and partially covered with a slag roof.
- It is possible that waste oil was applied to the assessed property in the past for dust suppression.
- At some time in the past, tanks for stoddard solvent storage were located in an area which is now underneath the garage on the southeast end of the assessed building. These tanks were removed at some time before the current garage was built in 1985.
- Non-hazardous solid waste generated on the assessed building is stored in a shed on the southern portion of the assessed property. (It was reported that solid waste is picked up for off-site disposal by Bernie Jones, a local hauler [refer to Section 4.3]).

4.0 INTERVIEWS (Cont.)

- Removal of asbestos-containing pipe wrap was performed in the assessed building in the 1970s. The materials were disposed of in an off-site landfill.

(4.2) The following is a summary of information provided by Mr. Bargar:

- Mr. Bargar indicated that he has worked at Anderson Cleaners since 1977.
- Mr. Bargar indicated that Anderson Cleaners switched from stoddard solvent to perchloroethylene in 1978. The stoddard solvent was stored in underground storage tanks which were located in an area which is now underneath the garage on the southeast end of the assessed building. The tanks were removed some time before the garage was built in 1985. The tanks were originally installed at the time the dry cleaning (south-central) portion of the assessed building was built (i.e., 1947).
- Prior to the use of Safety-Kleen for the removal of waste sludge, lint, and filter cartridges, the practice was to dispose of waste from the dry cleaning distillation process with the other waste that went to the local landfill.
- Floor drains are located in the garages in the assessed building. No floor drains are currently located in the dry cleaning plant area of the building; however, at one time, a floor drain was located in the dry cleaning plant area. This floor drain was capped off in the past.
- Very little vehicle maintenance takes place on site. No oil changes are performed on site.
- Perchloroethylene is pumped directly into the dry cleaning machines by their supplier. Sludge from the distillation process in the dry cleaning machines is collected in approximately 30-gallon containers which are supplied by Safety-Kleen. Waste lint is combined with the waste sludge. The sludge mixture and filter cartridges are picked up by Safety-Kleen for off-site disposal one time per month.
- Mr. Bargar indicated that, to the best of his knowledge, there have not been any spills on-site since he started working at Anderson Cleaners in 1977.
- After the fire in 1985, most of the equipment on the assessed property was replaced.
- Solid waste generated on the assessed property is stored in a shed on the southern portion of the assessed property and is picked up for off-site landfill disposal by a local hauler.
- Asbestos-containing pipe wrap material was removed many years ago from the assessed property. The asbestos-containing material was disposed of off-site in a landfill.

(4.3) The following is a summary of information provided by Ms. Woodward:

- Moisture collected from dry cleaned clothing is placed into a machine that is located behind the dry cleaning machines. This machine separates water and perchloroethylene by evaporating the water fraction. Perchloroethylene recovered from this machine is returned to the dry cleaning machines.

4.0 INTERVIEWS (Cont.)

- The materials stored in the assessed building are used as part of the cleaning business on the assessed property.
- Anderson Cleaners has a dry cleaning service, a standard laundry service, and a carpet cleaning service.
- Solid waste is picked up off the assessed property for off-site disposal by Bernie Jones, a local hauler.
- The 1985 fire was located in the office and garage portions of the assessed building. Fire doors closed and saved the remaining portions of the assessed building; however, the dry cleaning portion of the assessed building suffered heat damage.

(4.4) The following is a summary of information provided by Mr. Anderson:

- Michael Lyons purchased the assessed property from him in 1986.
- The assessed property was formerly owned by his father, David G. Anderson.
- The dry cleaning plant area of the assessed building was built in 1947.
- The finishing plant portion of the assessed building was constructed during the 1930s.
- The assessed property was formerly a towel mill, known as Hall Towel Mills. During World War II, sleeping bags were manufactured on the assessed property.
- The assessed building has been connected to the public sanitary sewer system since the time it was built. At one time, it was part of the Town of Celoron Sewer District.
- Since the time that the assessed property has been used as Anderson Cleaners, no manufacturing has occurred on the assessed property.
- Waste oil for dust suppression may have been used for a short time in the 1940's on unpaved areas of the assessed property.
- To the best of his knowledge, no spills have occurred on the assessed property.
- Three approximate 1,100-gallon underground storage tanks were installed on the assessed property in 1947. They were located to the east of the dry cleaning portion of the assessed building, in an area which is currently under one of the garages on the assessed property. The tanks were removed sometime between 1978 and 1985. There is no documentation regarding the removal of these tanks.
- Waste sludge from the dry cleaning process was disposed of in an off-site landfill. No waste materials were dumped on-site.

SIGNATURES:

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Susan E. Robertson, Environmental Assessor

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Day Environmental, Inc.
David D. Day, President

REPORT EXPLANATION

PURPOSE OF AN ENVIRONMENTAL SITE ASSESSMENT:

The purpose of an environmental site assessment is to perform the appropriate inquiry into the environmental condition of a property to identify the potential CERCLA/SARA liability for the cleanup of hazardous substances, and to establish the defense for such liability.

SCOPE OF A PHASE I ENVIRONMENTAL SITE ASSESSMENT:

This Phase I Environmental Site Assessment has been performed in general conformance with the scope and limitations of ASTM Practice E1527. Exceptions to, and/or deletions from, this practice are described in the summary of this report.

A Phase I Environmental Site Assessment is the initial level of inquiry into the history, use and condition of a property and area, which establishes the reasonable presumption that environmental concerns do or do not exist. The Phase I Environmental Site Assessment consists of four (4) basic inquiry components:

1. Review of the title to the property and historical data to identify prior ownership and uses which represent a potential risk for contamination of the property.
2. Review of available public information and environmental records to identify site and area facilities, conditions, activities and substances of use of environmental concern that have been recorded by federal, state and local agencies.
3. Site reconnaissance of the property to identify conditions which indicate the presence or potential presence of hazardous substances and contamination.
4. Interviews with the owners, operators and persons familiar with the site and area to identify conditions and operations of environmental concern.

The Phase I Environmental Site Assessment will conclude that either (a) further inquiry into the environmental status of a property is not needed and appropriate inquiry has been performed or (b) further inquiry is needed to appropriately assess the environmental status of the property.

NON-CERCLA/SARA LIABILITIES:

There are risks associated with the environmental condition of a property which are not a potential CERCLA/SARA liability and are not subject to incurrence of response costs under CERCLA. Due to the frequency of occurrence, the scope of the Phase I Environmental Site Assessment has been expanded to include the identification of petroleum liabilities and friable asbestos. No other assessment of non-CERCLA/SARA liabilities has been performed unless specifically identified in the report narrative.

ASBESTOS:

Where apparent, damaged and/or friable SACM has been identified; however, a complete visual inspection and records review for SACM was not performed as part of this assessment. As a result, this facility may contain other SACM which is not identified in this report.

SACM is identified as a potential environmental concern when the observable condition (i.e., exposed, damaged and/or friable) suggests the release of debris and/or fibers under normal facility operations. If the SACM actually contains asbestos, the release of debris and/or fibers could pose an asbestos-exposure hazard. In order to determine if the SACM contains asbestos, the SACM must be sampled and analyzed.

Should any asbestos-containing material (ACM) at this facility be disturbed through abatement, removal, maintenance, renovation, demolition, etc., the handling and disposal of the ACM is subject to applicable state and federal regulations. Also, no representations are made regarding previous disturbance and/or removal of ACM at this facility.

OPERATIONAL CONCERNS:

Although beyond the scope of the routine environmental site assessment, operational concerns may be identified. Operational concerns are not considered to be liabilities which should impact real estate or mortgage loan transactions. Rather, operational concerns are listed for informational purposes, and it is recommended that they be addressed for compliance with existing regulations and/or to minimize the potential for further environmental liabilities. Since identification of operational concerns is incidental to the purpose of this assessment, correction of these items may not necessarily result in full compliance with all applicable environmental regulations.

NOTES:

NOTES are used in the Assessment Summary either to identify special property conditions, or to identify and explain conditions which might characteristically be a potential environmental concern, but where the assessment inquiry has not established the reasonable presumption that an environmental liability does exist.

DATA QUALIFICATION:

Environmental site assessment conclusions are made based on the data available for the dates identified. The conclusions are subject to any state of facts which would be identified by updated data. No assurances are made as the accuracy or completeness of data obtained from outside information sources. Also, it is possible that not all existing sites within the search radii specified in Section 2 of this report have been identified, due to factors such as urban density and potential insufficiencies in the databases.

SITE VISIT QUALIFICATION:

Where the site observations are limited to representative areas, or where facilities are inaccessible for observation, the environmental site assessment conclusions are subject to any statement of facts which access to those areas would have revealed.

ABBREVATIONS/ACRONYMS:

ASTM – American Society for Testing and Materials
CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS – Comprehensive Environmental Response, Compensation, and Liability Information System
EPA – (United States) Environmental Protection Agency
ERNS – Emergency Response Notification System
FOIL – Freedom of Information Law
LUST – Leaking Underground Storage Tank
N/A – Not Applicable; Not Available
NPL – National Priorities List
NYS – New York State
NYSDEC – New York State Department of Environmental Conservation
PBS – Petroleum Bulk Storage
RCRA – Resource, Conservation, and Recovery Act
SACM – Suspect Asbestos-Containing Material
SARA – Superfund Amendments and Reauthorization Act of 1986
TSD – Treatment, Storage, and Disposal
UST – Underground Storage Tank

SITE EVALUATION SUMMARY REPORT

MARCH 2004

Project Location (Site)

Anderson Cleaners
5 Hunt Road
Jamestown, New York

Property Description

The Site consists of approximately 2.4 acres of land currently improved by an approximate 11,400-square foot one-story brick and concrete block building. The building was constructed in phases with the southwest portion (i.e., used as a "finishing" area for folding and storing cleaned clothing and as retail space) constructed in the 1930s; the south-central (i.e., dry cleaning area) portion constructed in 1947 and the northern (offices) and eastern (garages) portion constructed in 1985. An exterior "courtyard/storage" area measuring approximately 10 feet by 60 feet separates the finishing area and the dry cleaning area. A project locus map (Figure 1) and site plan (Figure 2) are included with this submittal.

Background

A dry cleaning plant has operated at the Site since 1947 when the south-central portion of the current building was originally constructed. Between 1947 and 1978, Stoddard solvent was used as the primary cleaning fluid. In 1978, the method of cleaning was changed over to use tetrachloroethene (PCE) as the primary cleaning fluid. In 1985, a fire destroyed an approximate 8,000-square foot portion of the original building that housed offices and garages (i.e., the northern and eastern portions of the building, respectively). This fire did not directly impact the portion of the building that housed the dry cleaning operations. Following the fire, reconstruction/remodeling operations were undertaken resulting in the current structure.

Pursuant to the sale of the Site, Day Environmental, Inc. (DAY) initially completed a Phase I environmental site assessment (Phase I ESA) that identified the historic use of the Site as a recognized environmental condition (REC). Subsequently, DAY initiated a Phase II ESA to evaluate subsurface conditions and assess the impact of past dry cleaning operations.

Phase II ESA

The work completed to date as part of the Phase II ESA and the initial findings of this work are summarized in this section.

Test Borings/Monitoring Wells

- Twenty-seven (27) test borings (designated TB-1 through TB-27) have been advanced in interior and exterior locations of the Site using hand-operated and vehicle-mounted direct push soil sampling equipment. These test boring locations are depicted on Figure 2.
- Eight (8) test borings were converted into 1-inch diameter groundwater monitoring wells (designated MW-1 through MW-8). Refer to Figure 2 for monitoring well locations.
- A licensed land surveyor measured the elevation of monitoring wells MW-1 through MW-5 and groundwater depths were obtained to evaluate groundwater flow patterns.
- Eight (8) groundwater monitoring wells were developed and subsequently purged and sampled. Water quality readings (pH, conductivity, temperature, etc.) were collected during development and sampling.

Analytical Laboratory Testing

- Eight (8) soil samples were submitted for PCE analysis using (United States Environmental Protection Agency (USEPA) Method 8021B.
- Three (3) soil samples were submitted for halogen and aromatic volatile organic compounds (VOCs) analysis using USEPA Method 8021B.
- Two (2) soil samples were submitted for USEPA Target Compound List (TCL) VOCs analysis using USEPA Method 8260B.
- Two (2) soil samples were submitted for polychlorinated biphenyl (PCB) analysis using USEPA Method 8082.
- Four (4) soil samples were submitted for total petroleum hydrocarbon (TPH) analysis using NYSDOH Method 310.13.
- Eight (8) groundwater were samples submitted for halogenated VOCs analysis using USEPA Method 8021B.
- Two (2) groundwater samples were submitted for total petroleum hydrocarbon (TPH) analysis using NYSDOH Method 310.13.

Subsurface Conditions

The depth of equipment refusal encountered during the advancement of the direct push test borings ranged between about 10.3 feet and 14.5 feet below the ground surface. Typically fill materials (e.g., asphalt, concrete, crushed stone, reworked soil, etc.) extend

from the ground surface to a depth of about 2 to 4 feet. The indigenous soil immediately below the fill is generally characterized as clayey silt and this material extended to depths of about 7 to 9 feet below the ground surface. A sand to sand/gravel deposit was encountered in many of the test borings below the clayey silt deposit and this deposit generally extended to the bottom of the test borings (i.e., equipment refusal). In some test borings, an approximate 1-foot thick lens of sand and gravel was encountered within the clayey silt and the clayey silt extended to the bottom of the test borings.

Copies of the test boring/monitoring well installation logs for the work completed to date are included in Attachment A.

Groundwater was typically measured at depths of about 1 to 1.5 feet below the ground surface. As shown on the contour map included as Figure 3, groundwater flow is generally to the east/northeast across the property.

Analytical Laboratory Test Results

A brief summary of the analytical laboratory test results is presented below. VOC test results are summarized in the tables included in Attachment B.

- PCE concentrations in the soil samples analyzed ranged from below the reported analytical laboratory detection limit to 1,660,000 parts per billion (ppb).
- PCE breakdown products consisting of trichloroethene (TCE), cis/trans-1, 2-dichloroethene (1,2-DCE), and vinyl chloride (VC) were also detected in some of the soil samples tested.
- TCE concentrations in the soil samples analyzed ranged from below the reported analytical laboratory detection limit to 4,450 ppb.
- 1,2-DCE (cis and trans) concentrations in the soil samples analyzed ranged from below the reported analytical laboratory detection limit to 31,440 ppb (estimated).
- VC concentrations in the soil samples analyzed ranged from below the reported analytical laboratory detection limit to 692 ppb.
- TPH identified as mineral spirits was detected in soil samples TB-3 (2-4') at a concentration of 12,900 ppb and in sample TB-6 (2-4') at a concentration of 14,000 ppb.
- PCBs were not detected above the reported analytical laboratory detection limits in the two soil samples analyzed.
- PCE concentrations in the groundwater samples analyzed ranged from below the reported analytical laboratory detection limit to 81,800 ppb.
- PCE breakdown products consisting of TCE and VC were also detected in some of the groundwater samples tested. [Note: 1,2-DCE was not detected in the groundwater samples.]

- TCE was identified in groundwater samples MW-6 (49.4 ppb) and MW-8 (103 ppb).
- VC was identified in groundwater sample MW-8 (14.5 ppb).
- TPH was not detected above the reported analytical laboratory detection limits in the two groundwater samples analyzed (MW-2 and MW-5).

PCE Distribution

PCE concentrations measured in soil samples tested to date are shown on Figure 4 and PCE concentrations measured in the groundwater samples tested are shown on Figure 5.

Remediation and Additional Site Characterization

Remediation will be required to address the PCE (and associated breakdown products) detected in the soil and groundwater at the Site. Thus an interim remedial measure (IRM) is proposed to address the apparent source area with additional studies to further characterize subsurface conditions and determine if additional remediation is required.

Alternatives for an Interim Remedial Measure (IRM)

Based upon the location of the apparent source area (i.e., within the courtyard/storage area) and the PCE distribution pattern (i.e., predominately beneath the dry cleaning portion of the building), passive in-situ treatment schemes were identified and screened for the IRM. These treatment schemes included in-situ chemical oxidation using Fenton's reagent, injection of zero-valent iron, treatment via hydrogen release compound (HRC-X) and enhanced bioremediation using the product "CL-Out".

Preferred Interim Remedial Measure

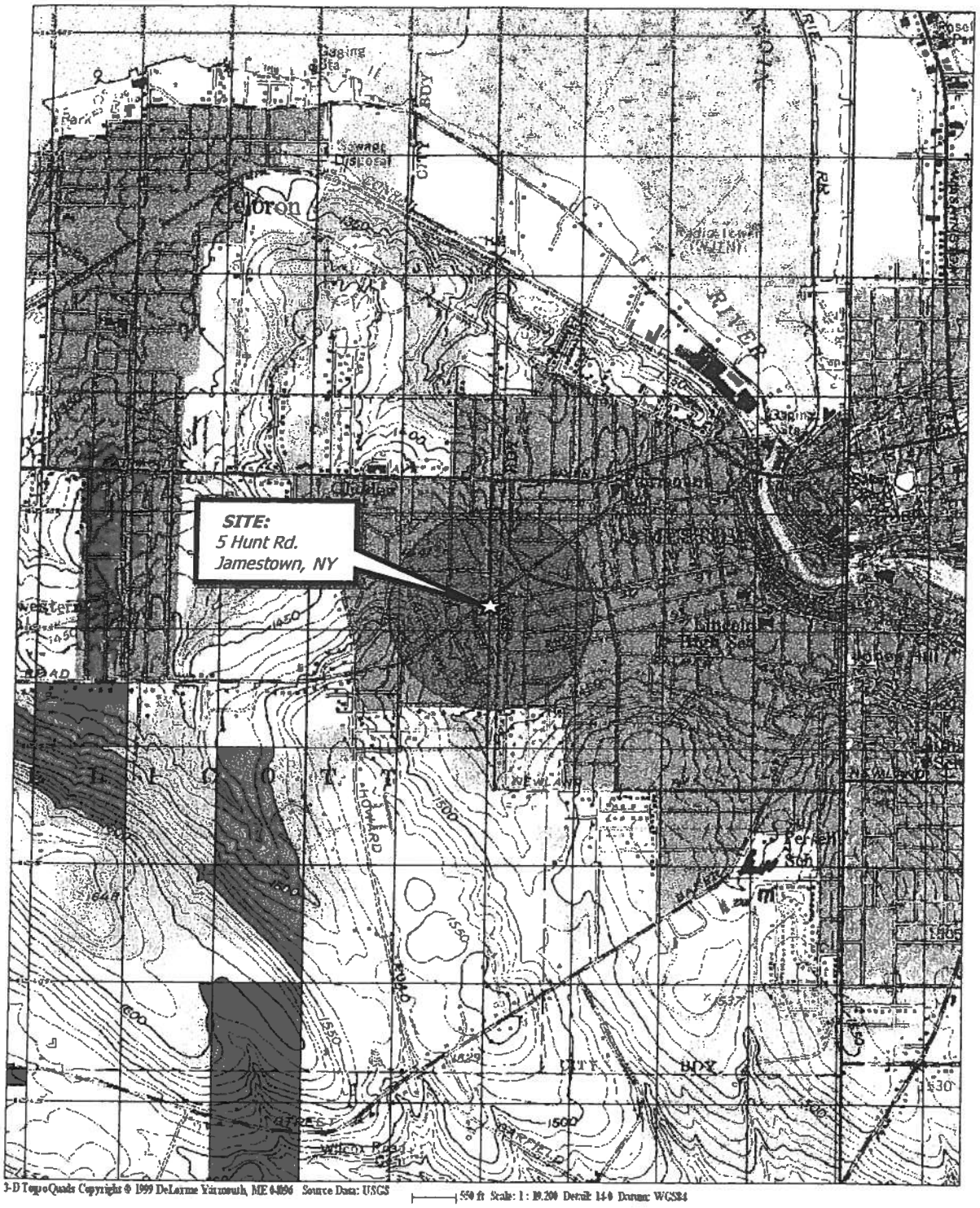
DAY's review of potential remedial options suggests that the injection of CL-Out within and immediately around the source area is the preferred IRM. Prior to implementing a full-scale IRM, a pilot study is proposed to evaluate the effectiveness of using CL-Out at the Site and to assist in the determination of injection point spacing, evaluating the need for enhancing oxygen content, etc. It is anticipated that the pilot study will include the following:

- Initial testing of groundwater samples to measure dissolved oxygen, nitrogen, phosphorus and total plate count.

- Installation of two injection wells approximately 25 feet apart in the courtyard/storage area and two monitoring points approximately 10 and 30 feet downgradient of the injection points (in the boiler room).
- Collection and testing of groundwater samples from selected monitoring wells to establish background concentrations of VOCs (PCE, TCE, 1,2-DCE, and VC).
- Implementation of one "inoculation" consisting of injecting approximately 55-gallons of CL-Out into the two injection points.
- Collection of groundwater samples from the downgradient wells for testing of VOCs (PCE, TCE, 1,2-DCE, and VC), dissolved oxygen, nitrogen, phosphorus, and total plate count approximately 2 weeks and 4 weeks after the initial inoculation. [Note: Depending on the results of this testing, a second inoculation and subsequent analytical testing of groundwater samples may be necessary.]

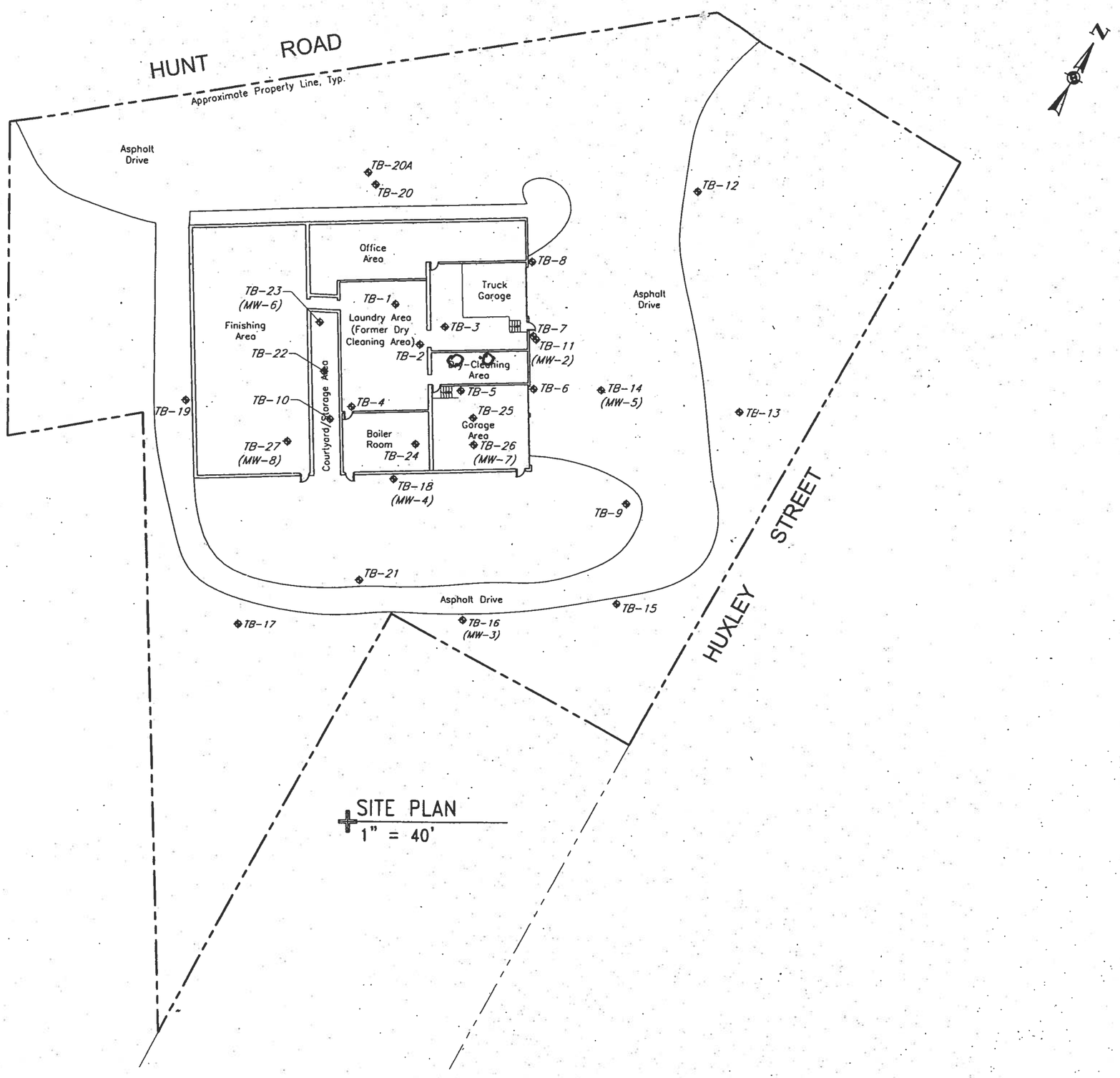
Assuming that the pilot study determines CL-Out is an effective remedial option, a full scale IRM will be implemented. Prior to conducting the IRM, a workplan will be developed showing the location of injection/monitoring points, defining the inoculations required to conduct the IRM, identifying sampling/testing requirements, etc. In addition, the scope of additional studies that are required to complete the characterization of the Site will be defined (e.g., advancement of "deep" monitoring wells using rotary drilling techniques to assess the presence of DNAPL, installation of downgradient monitoring wells adjacent to the property line of the Site, etc.). Depending upon the effectiveness of the IRM and/or the results of the additional studies, subsequent remedial activities may be necessary at the Site.

FIGURES



Drawing Produced From: 3-D TopoQuads, DeLorme Map Co., referencing USGS quad map Lakewood (NY) 1979 and Jamestown (NY) 1979. Site Lat/Long: N42°05.55'– W79°16.00'

DATE 03-02-2004 DRAWN BY LRP SCALE 1" = 2000'	**day** DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14614-1008	PROJECT TITLE 5 HUNT ROAD JAMESTOWN, NY PHASE II ENVIRONMENTAL STUDY DRAWING TITLE PROJECT LOCUS MAP	PROJECT NO. 3292S-03 FIGURE 1



SITE PLAN
1" = 40'

LEGEND:

TB-1 — Test Boring Advonced on August 4, 2003

NOTES:

1. Site Plan produced from drawings by Habiterra Associates, Thorsell, Kennedy, Casker, Arrione & Hedin. P.C. entitled "Addition and Renovations, Anderson Cleaners, Inc", drawings A-1 Floor Plan dated October 22, 1985 and L-1 Grading Plan and from notes of a site visit by a representative of Day Environmental, Inc. on 08-04-03.
2. Test bore locations were measured from existing site features and should be considered accurate to the degree implied by the method used.

PROJECT MANAGER	RLK
DATE	09-2003
DRAWN BY	LRP\TW
DATE DRAWN	03-2004
SCALE	As Noted
DATE ISSUED	03-02-2004

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14614-1008

PROJECT TITLE
5 HUNT ROAD
JAMESTOWN, NY

PHASE II ENVIRONMENTAL STUDY

DRAWING TITLE
Site Plan

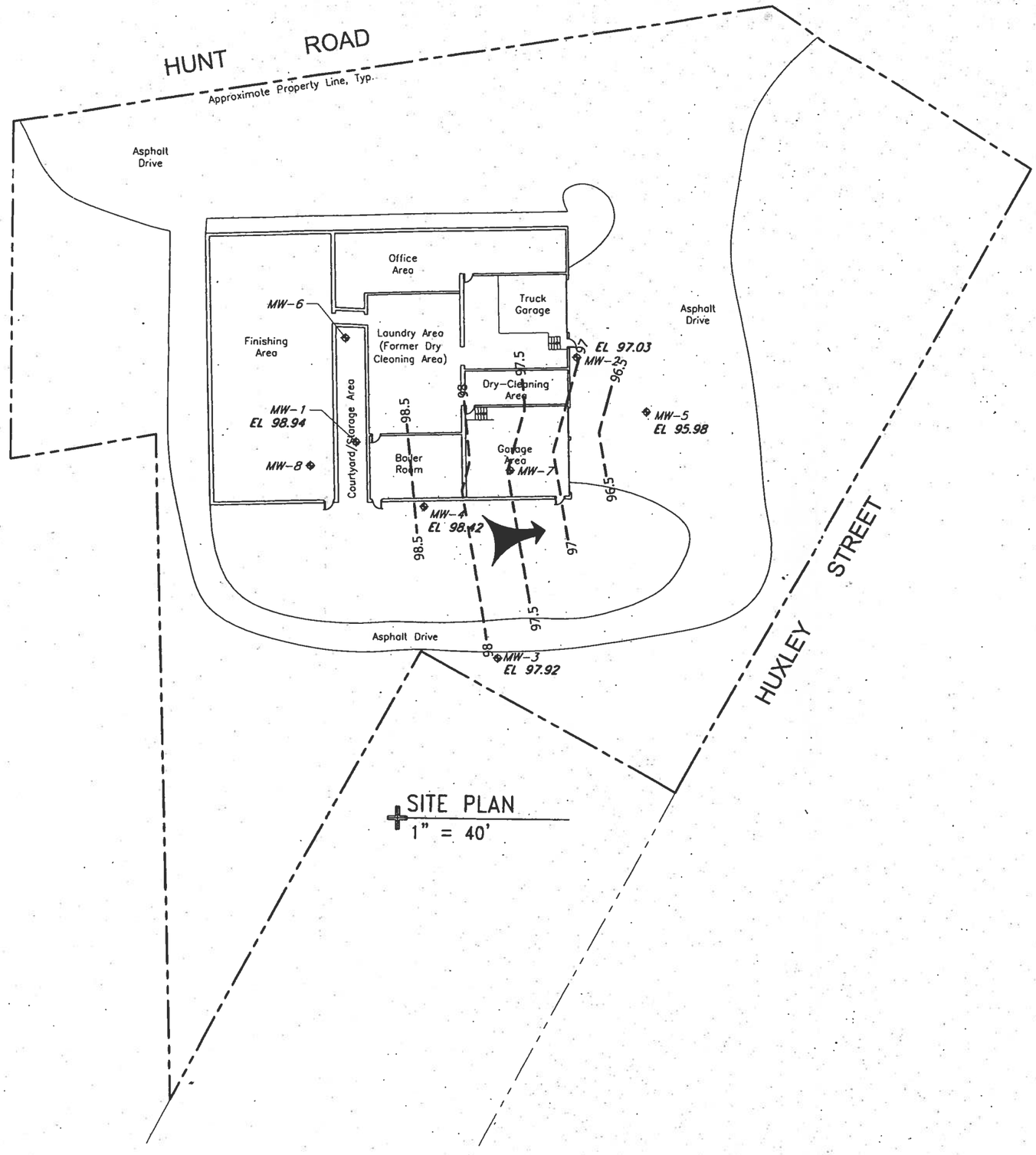
PROJECT NO.
3292S-03

FIGURE 2

Ref1: Base-1
Ref2:
Ref3:
Ref4:
Ref5:
Ref6:

Time Plotted: Mar. 01 16:25 2004
File Name: ase 2\3292\Testbore-1.dwg

Xerox432AnsiB-2; 11 x 17



LEGEND:

MW-2 EL 97.03 — Groundwater Monitoring Well Installed on August 4, 2003 With Groundwater Elevation Measured On September 12, 2003

98 — Groundwater Contour Derived From Measurements Taken On September 12, 2003.

Apparent Direction Of Groundwater Flow

NOTES:

1. Site Plan produced from drawings by Habiterra Associates, Thorsell, Kennedy, Casker, Arnone & Hedin. P.C. entitled "Addition and Renovations, Anderson Cleaners, Inc", drawings A-1 Floor Plan dated October 22, 1985 and L-1 Grading Plan and from notes of a site visit by a representative of Day Environmental, Inc. on 08-04-03.
2. Test bore locations were measured from existing site features and should be considered accurate to the degree implied by the method used.
3. Elevations for monitoring wells MW-6, MW-7, and MW-8 have not been surveyed to date, and therefore these wells were not used in generating this potentiometric groundwater contour map.

PROJECT MANAGER	RLK
DRAWN BY	LRPITw
SCALE	As Noted
DATE	09-2003
DATE DRAWN	03-2004
DATE ISSUED	03-02-2004

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14614-1008

PROJECT TITLE
5 HUNT ROAD
JAMESTOWN, NY

PHASE II ENVIRONMENTAL STUDY

DRAWING TITLE
Potentiometric Groundwater Contour Map for September 12, 2003

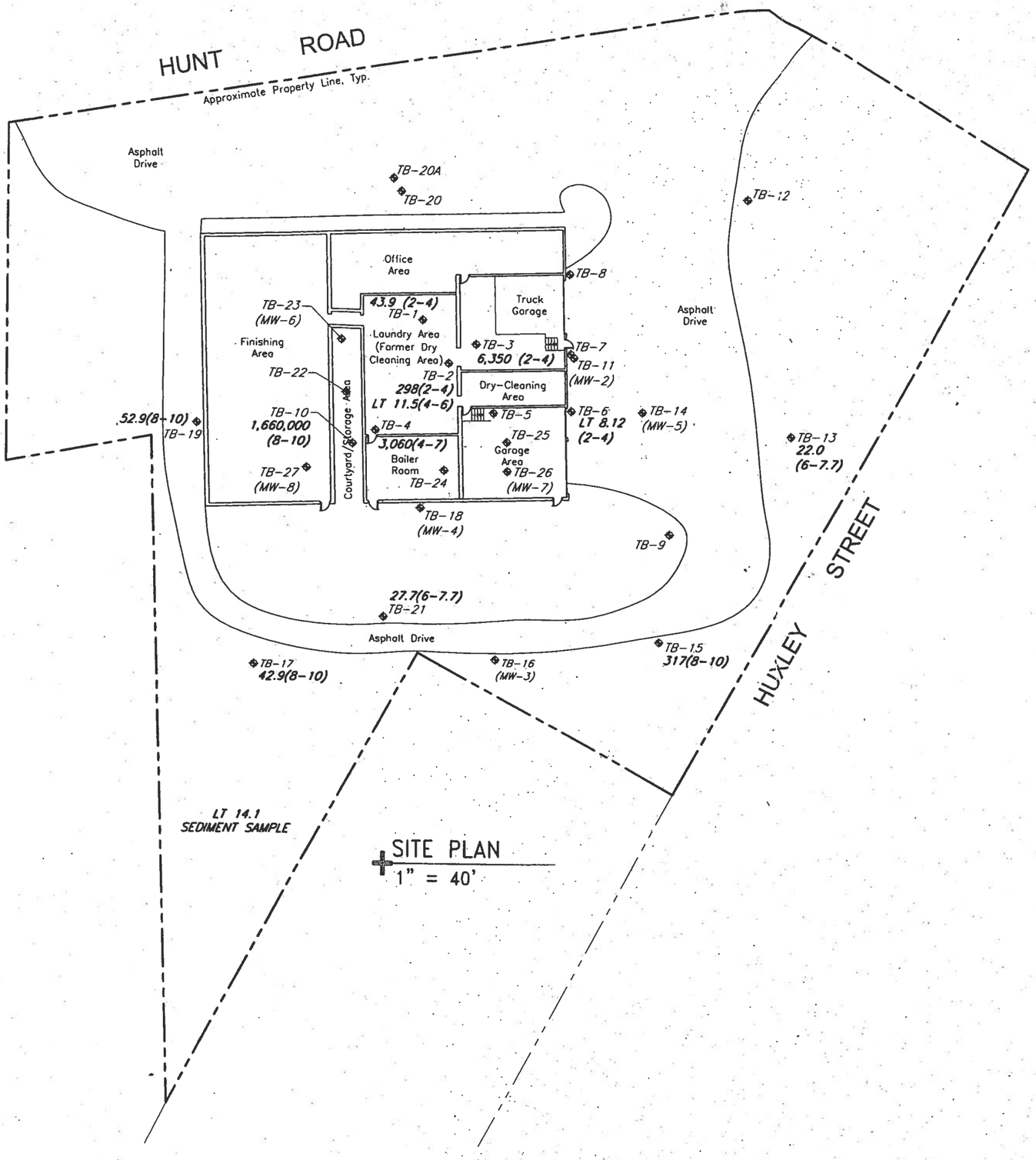
PROJECT NO.
3292S-03

FIGURE 3

Ref1: Base-1
Ref2:
Ref3:
Ref4:
Ref5:
Ref6:

Xerox432AnsiB-2; 11 x 17

Time Plotted: Mar 02 11:25 2004.
File Name: Phase 2\3292\Testbore-1.dwg



SITE PLAN
1" = 40'

LEGEND:

TB-6 — Test Boring Advanced on August 4, 2003

LT 8.12 (2-4) — PCE Concentration In Parts Per Billion (ppb). LT indicates "Less Than"

(2-4) — Sample Depth In Feet Below Ground Surface

NOTES:

1. Site Plan produced from drawings by Habiterra Associates, Thorsell, Kennedy, Casker, Arnone & Hedin. P.C. entitled "Addition and Renovations, Anderson Cleaners, Inc", drawings A-1 Floor Plan dated October 22, 1985 and L-1 Grading Plan and from notes of a site visit by a representative of Day Environmental, Inc. on 08-04-03.

2. Test bore locations were measured from existing site features and should be considered accurate to the degree implied by the method used.

PROJECT MANAGER	DATE
RLK	09-2003
DRAWN BY	DATE DRAWN
LRPITw	03-2004
SCALE	DATE ISSUED
As Noted	03-02-2004

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14614-1008

PROJECT TITLE
5 HUNT ROAD
JAMESTOWN, NY

PHASE II ENVIRONMENTAL STUDY

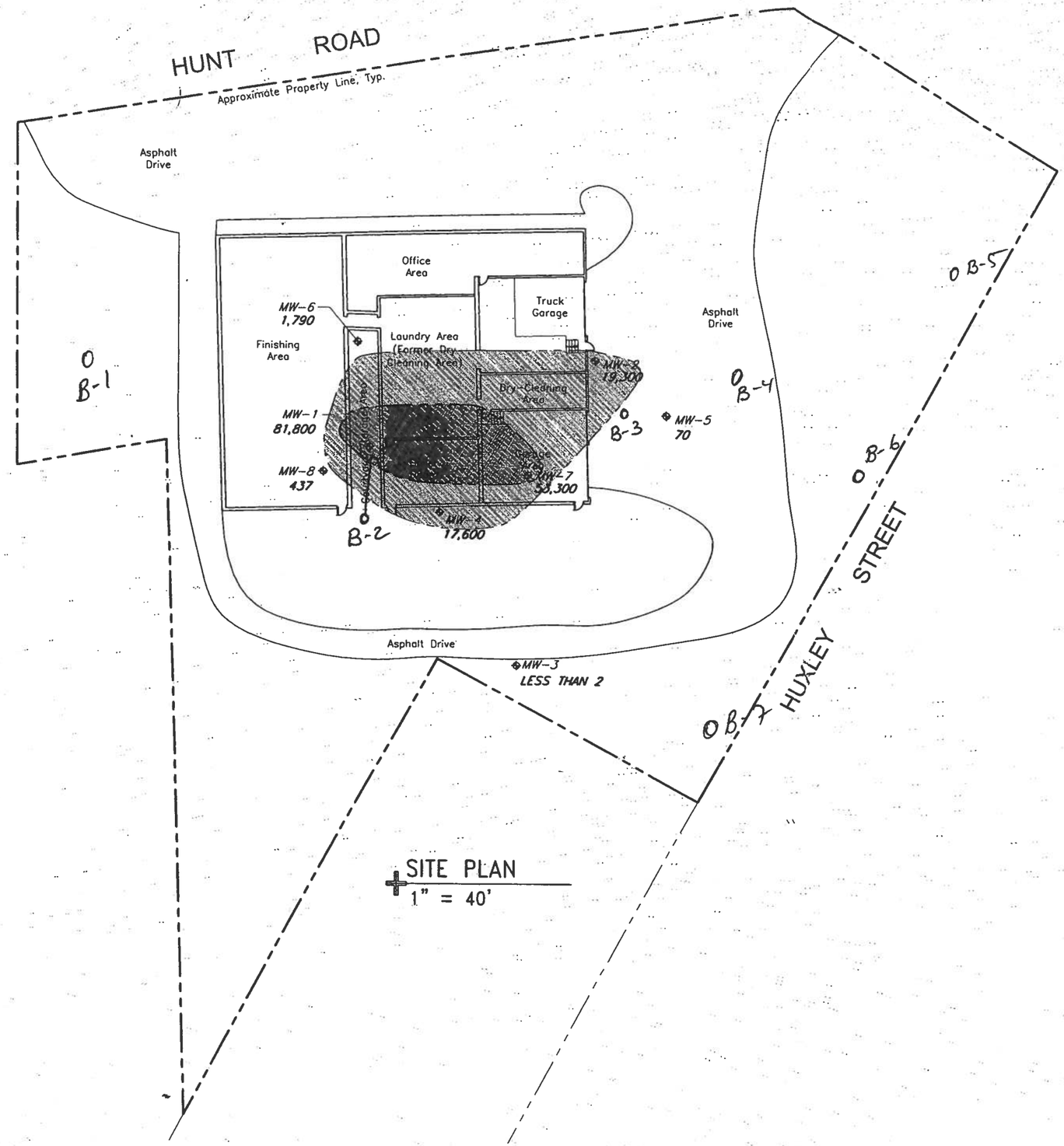
DRAWING TITLE
Tetrachloroethene (PCE) Concentrations and Soil Samples

PROJECT NO.
3292S-03

FIGURE 4

Ref1: Base-1
Ref2:
Ref3:
Ref4:
Ref5:
Ref6:

Time Plotted: Tue Mar. 02 11:10 2004
File Name: Phase 2\3292\Testbore-1.dwg
Xerox432AnsiB-2; 11 x 17



SITE PLAN
1" = 40'

LEGEND:

MW-2 19,300 — Groundwater Monitoring Well Installed on August 4, 2003

PCE Concentration In Parts Per Billion (ppb) Measured In Groundwater Sample

PCE Concentration In Excess of 50,000 ppb Measured In Groundwater

PCE Concentration Between 10,000 ppb and 50,000 ppb Measured In Groundwater

NOTES:

1. Site Plan produced from drawings by Habiterra Associates, Thorsell, Kennedy, Caske-, Arnone & Hedin. P.C. entitled "Addition and Renovations, Anderson Cleaners, Inc", drawings A-1 Floor Plan dated October 22, 1985 and L-1 Grading Plan and from notes of a site visit by a representative of Day Environmental, Inc. on 08-04-03.

2. Groundwater monitoring well locations were measured from existing site features and should be considered accurate to the degree implied by the method used.

PROJECT MANAGER	RLK
DRAWN BY	LRPITw
SCALE	As Noted
DATE	09-2003
DATE DRAWN	03-2004
DATE ISSUED	03-02-2004

day
DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
ROCHESTER, NEW YORK 14614-1008

PROJECT TITLE
5 HUNT ROAD
JAMESTOWN, NY

PHASE II ENVIRONMENTAL STUDY

DRAWING TITLE
Tetrachloroethene (PCE) Concentrations In Groundwater Samples

PROJECT NO.
3292S-03

FIGURE 5

Ref1: Base-1
Ref2:
Ref3:
Ref4:
Ref5:
Ref6:

Time Plotted: Tue Mar 02 11:05 2004
File Name: Phase 2\3292\Testbare-1.dwg
Xerox432AnsiB-2; 11 x 17

ATTACHMENT A

TEST BORING/MONITORING WELL INSTALLATION LOGS

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

DRAFT

BORING NUMBER: TB-1

Project: Anderson Cleaners
Project No: 3292S-03
DAY Representative: JKH
Boring Location: See Test Boring Location Plan
Drilling Contractor: Day Environmental, Inc.
Ground Surface Elevation: NA
Datum: NA
Drilling Rig: Geoprobe
Start Date: 08/04/03
Completion Date: 08/04/03
Sampling Method: Direct Push
Borehole Diameter: 2.0"
Borehole Depth: 6.0'
Completion Method: Backfilled with cuttings
Water Level: Approximately 3.6'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	25	NA	268		Concrete Floor: 0.4 feet thick Dark Brown Silty Sand, little fine to medium Gravel, moist (FILL)
2								
3	NA	S-2	2-4	90	NA	484		* Analytical Laboratory Sample TB-1 (2-4') ... some fine to medium Gravel
4								
5	NA	S-3	4-6	10	NA	NC		Gray Clayey SILT, some Sand, wet [Note: Standing water at 3.6' upon completion of drilling]
6								BOH @ 6.0'
7								
8								
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19								
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Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

DRAFT

BORING NUMBER: TB-2

Project: Anderson Cleaners
DAY Representative: JKH
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Geoprobe
Sampling Method: Direct Push
Completion Method: Backfillled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 08/04/03 **Completion Date:** 08/04/03
Borehole Diameter: 2.0" **Borehole Depth:** 6.0'
Water Level: Approximately 4.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	25	NA	17		Concrete Floor: 0.4 feet thick Brown Silty Sand, little fine to medium Gravel, moist (FILL)
2								Dark Brown Sand, little Gravel, trace Silt, moist (FILL)
3	NA	S-2	2-4	25	NA	650		* Analytical Laboratory Sample TB-2 (2-4') ... wet
4								Gray Clayey SILT, some Sand, wet
5	NA	S-3	4-6	80	NA	118		* Analytical Laboratory Sample TB-2 (4-6')
6								BOH @ 6.0'
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Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

DRAFT

BORING NUMBER: TB-3

Project: Anderson Cleaners
Project No: 3292S-03
DAY Representative: JKH
Boring Location: See Test Boring Location Plan
Drilling Contractor: Day Environmental, Inc.
Ground Surface Elevation: NA
Datum: NA
Drilling Rig: Geoprobe
Start Date: 08/04/03
Completion Date: 08/04/03
Sampling Method: Direct Push
Borehole Diameter: 2.0"
Borehole Depth: 7.0'
Completion Method: Backfilled with cuttings
Water Level: Approximately 4.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	75	NA	17.5		Concrete Floor: 0.4 feet thick Brown Silty Sand, moist (FILL)
2								Dark Brown Silty Sand, little Gravel, moist (FILL)
3	NA	S-2	2-4	75	NA	250		* Analytical Laboratory Sample TB-3 (2-4')
4								... wet
5	NA	S-3	4-7	53	NA	105		Gray Clayey SILT, some Sand, trace Organics, wet
6								
7								BOH @ 7.0'
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20								

File: 3292s3.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

DRAFT

BORING NUMBER: TB-4

Project: Anderson Cleaners
Project No: 3292S-03
DAY Representative: JKH
Boring Location: See Test Boring Location Plan
Drilling Contractor: Day Environmental, Inc.
Ground Surface Elevation: NA **Datum:** NA
Drilling Rig: Geoprobe
Start Date: 08/04/03 **Completion Date:** 08/04/03
Sampling Method: Direct Push
Borehole Diameter: 2.0" **Borehole Depth:** 7.0'
Completion Method: Backfilled with cuttings
Water Level: Approximately 4.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	80	NA	5.8		Concrete Floor: 0.4 feet thick Brown Sandy Silt, moist (FILL)
2								Dark Brown Sand, some Silt, little Gravel, moist (FILL)
3	NA	S-2	2-4	20	NA	302		
4								... wet
5	NA	S-3	4-7	50	NA	47.0		Gray Clayey SILT, some Organics, trace Sand, wet * Analytical Laboratory Sample TB-4 (4-7')
6								
7								BOH @ 7.0'
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Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

DRAFT

BORING NUMBER: TB-5

Project: Anderson Cleaners
Project No: 3292S-03
DAY Representative: JKH
Boring Location: See Test Boring Location Plan
Drilling Contractor: Day Environmental, Inc.
Ground Surface Elevation: NA
Datum: NA
Drilling Rig: Geoprobe
Start Date: 08/04/03
Completion Date: 08/04/03
Sampling Method: Direct Push
Borehole Diameter: 2.0"
Borehole Depth: 2.0'
Completion Method: Backfilled with cuttings
Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	50	NA	38.5		Concrete Floor: 0.4 feet thick Dark Brown Sand, some Gravel, some trace Silt, moist (FILL)
2								Refusal @ 2.0'
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Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

DRAFT

BORING NUMBER: TB-6

Project: Anderson Cleaners
DAY Representative: JKH
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Geoprobe
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 08/04/03 **Completion Date:** 08/04/03
Borehole Diameter: 2.0" **Borehole Depth:** 4.0'
Water Level: Approximately 3.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	50	NA	5.2		Brown Silt, some Sand, little Gravel (FILL)
3	NA	S-2	2-4	70	NA	250		Dark Brown Sand, some Gravel, moist (FILL) ... wet * Analytical Laboratory Sample TB-6 (2-4')
4								Gray Clayey SILT, some Sand, trace Organics, wet BOH @ 4.0'

5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

DRAFT

BORING NUMBER: TB-7

Project: Anderson Cleaners
Project No: 3292S-03
DAY Representative: JKH
Boring Location: See Test Boring Location Plan
Drilling Contractor: Day Environmental, Inc.
Ground Surface Elevation: NA
Datum: NA
Drilling Rig: Geoprobe
Start Date: 08/04/03
Completion Date: 08/04/03
Sampling Method: Direct Push
Borehole Diameter: 2.0"
Borehole Depth: 4.0'
Completion Method: Backfilled with cuttings
Water Level: Approximately 3.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	50	NA	0.0		Brown Silt, some Gravel, moist (FILL)
2								Dark Brown Sand, some Gravel, trace Silt, moist (FILL)
3	NA	S-2	2-4	25	NA	0.0		... wet
4								Gray Clayey SILT, some Sand, trace Organics, wet
								BOH @ 4.0'
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Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

DRAFT

BORING NUMBER: TB-8

Project: Anderson Cleaners
DAY Representative: JKH
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Geoprobe
Sampling Method: Direct Push
Completion Method:

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 08/04/03 **Completion Date:** 08/04/03
Borehole Diameter: 2.0" **Borehole Depth:** 2.0'
Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	70	NA	0.0		Brown Silt, some Sand, little Gravel, moist (FILL)
2								Dark Brown Sand, some Gravel, trace Silt, moist (FILL)
								BOH @ 2.0'
3								
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Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

DRAFT

BORING NUMBER: TB-9

Project: Anderson Cleaners
DAY Representative: JKH
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Geoprobe
Sampling Method: Direct Push
Completion Method:

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 08/04/03 **Completion Date:** 08/04/03
Borehole Diameter: 2.0" **Borehole Depth:** 2.0'
Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	60	NA	4.0		Brown Silt, some Sand, little Gravel, moist (FILL)
2								Dark Brown Sand, some Gravel, moist (FILL)
								BOH @ 2.0'
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Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

DRAFT

BORING NUMBER: TB-10 (MW-1)

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: ~~Day Environmental, Inc.~~ S&C
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: 1" PVC Screen & Riser

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 09/03/03 **Completion Date:** 09/03/03
Borehole Diameter: 2.25" **Borehole Depth:** 14.5'
Water Level: 1.4' from TOC on 9/12/03

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						2.3		3" Gravel Brown Silt, Sand, Gravel (FILL)
2	NA	S-1	0-4	30	NA	640		Brown to Gray Clayey SILT, some Sand, little Gravel, moist
3						175		
4								
5						1700		... wet @ 5.0'
6	NA	S-2	4-8	50	NA	502		
7						50.1		
8								
9						2100		* Analytical Laboratory Sample TB-10 (8-10')
10	NA	S-3	8-12	70	NA	1310		
11						40.8		
12						430		
13	NA	S-4	12-14.5	90	NA	238		
14						208		
15								Refusal @ 14.5'
16								
17								
18								
19								
20								

File: 3292s10.log

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DRAFT

BORING NUMBER: TB-11 (MW-2)

Project: Anderson Cleaners
Project No: 3292S-03
DAY Representative: D. Noll
Boring Location: See Test Boring Location Plan
Drilling Contractor: Day Environmental, Inc.
Ground Surface Elevation: NA **Datum:** NA
Drilling Rig: Track Mount 54LT
Start Date: 09/03/03 **Completion Date:** 09/03/03
Sampling Method: Direct Push
Borehole Diameter: 2.25" **Borehole Depth:** 12.0'
Completion Method: 1" PVC Screen & Riser
Water Level: 4.09' from TOC on 9/12/03

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						16.7		Gravel / Asphalt
2	NA	S-1	0-4	80	NA	588		Gray Clayey SILT, some Sand, little Gravel, moist
3						437		
4						48.6		
5	NA	S-2	4-8	70	NA	430		... wet @ 4.0'
6						297		
7						60.4		Brown Clayey SILT, some Sand, little Gravel, wet
8						29.2		
9	NA	S-3	8-12	90	NA	430		
10						30.2		
11						29.7		
12						25.8		Refusal @ 12.0'
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s11.log

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DRAFT

BORING NUMBER: TB-12

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 09/03/03 **Completion Date:** 09/03/03
Borehole Diameter: 2.25" **Borehole Depth:** 11.8'
Water Level: Approximately 6.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-4	70	NA	2.1 0.8 2.2 2.1		Topsoil
2								Brown Clayey SILT, some Sand, trace Gravel, moist
3								
4								
5	NA	S-2	4-8	80	NA			
6								Brown Silty SAND and GRAVEL, little Clay, wet
7								
8								
9	NA	S-3	8-11.8	100	NA			
10								
11								
12								Refusal @ 11.8'
13								
14								
15								
16								
17								
18								
19								
20								

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DRAFT

BORING NUMBER: TB-13

Project: Anderson Cleaners
Project No: 3292S-03
DAY Representative: D. Noll
Boring Location: See Test Boring Location Plan
Drilling Contractor: Day Environmental, Inc.
Ground Surface Elevation: NA
Datum: NA
Drilling Rig: Track Mount 54LT
Start Date: 09/03/03
Completion Date: 09/03/03
Sampling Method: Direct Push
Borehole Diameter: 2.25"
Borehole Depth: 7.7'
Completion Method: Backfilled with cuttings
Water Level: Approximately 5.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1								Brown / Gray Silt, Sand, Gravel, Brick (FILL)
2	NA	S-1	0-4	50	NA			
3								
4								Brown / Gray Clayey SILT, some Gravel, trace Sand, moist
5								... wet @ 5.0'
6	NA	S-2	4-7.7	90	NA			
7								* Analytical Laboratory Sample TB-13 (6-7.7') ... Seam of SAND and GRAVEL @ 7.0-7.7'
8								Refusal @ 7.7'
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s13.log

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DRAFT

BORING NUMBER: TB-14 (MW-5)

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: 1" PVC Screen & Riser

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 09/03/03 **Completion Date:** 09/03/03
Borehole Diameter: 2.25" **Borehole Depth:** 11.4'
Water Level: 1.32' from TOC on 9/12/03

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1								Asphalt / Gravel
2	NA	S-1	0-4	50	NA			Brown / Gray Silt, Sand, Gravel, Clay (FILL)
3								... Faint petroleum odor at approx. 2-7'
4								Brown / Gray Clayey SILT, trace Sand, moist
5								
6	NA	S-2	4-8	70	NA			
7								Seam of SAND and GRAVEL, wet
8								Brown Sandy SILT, little Gravel, trace Clay, wet
9								
10	NA	S-3	8-11.4	100	NA			
11								
12								Refusal @ 11.4'
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s14.log

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DRAFT

BORING NUMBER: TB-15

Project: Anderson Cleaners
Project No: 3292S-03
DAY Representative: D. Noll
Boring Location: See Test Boring Location Plan
Drilling Contractor: Day Environmental, Inc.
Ground Surface Elevation: NA
Datum: NA
Drilling Rig: Track Mount 54LT
Start Date: 09/03/03
Completion Date: 09/03/03
Sampling Method: Direct Push
Borehole Diameter: 2.25"
Borehole Depth: 11.6'
Completion Method: Backfilled with cuttings
Water Level: Approximately 6.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1								Topsoil
2	NA	S-1	0-4	50	NA			Silt, Sand, Gravel, Brick, moist (FILL)
3								
4								Brown / Gray Clayey SILT, some Sand, little Gravel, moist
5								
6	NA	S-2	4-8	70	NA			
7								... wet @ 6.0'
8								Brown SAND and GRAVEL (FILL) wet
9								
10	NA	S-3	8-11.6	90	NA			* Analytical Laboratory Sample TB-15 (8-10')
11								
12								Refusal @ 11.6'
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s15.log

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DRAFT

BORING NUMBER: TB-16 (MW-3)

Project: Anderson Cleaners
Project No: 3292S-03
DAY Representative: D. Noll
Boring Location: See Test Boring Location Plan
Drilling Contractor: Day Environmental, Inc.
Ground Surface Elevation: NA , **Datum:** NA
Drilling Rig: Track Mount 54LT
Start Date: 09/03/03 **Completion Date:** 09/03/03
Sampling Method: Direct Push
Borehole Diameter: 2.25" **Borehole Depth:** 11.1'
Completion Method: 1" PVC Screen & Riser
Water Level: 0.6' from TOC on 9/12/03

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Topsoil
2	NA	S-1	0-4	60	NA	0.0		Silt, Sand, Gravel, Brick, moist (FILL)
3						0.0		Brown / Gray Silty CLAY, some Sand, trace Gravel, moist
4						0.0		
5						0.0		
6	NA	S-2	4-8	90	NA	0.0		
7						0.0		Brown SAND and GRAVEL, little Silt, trace Clay, wet
8						0.0		
9	NA	S-3	8-11.1	90	NA	0.0		... wet @ 8.0'
10						0.0		
11								Refusal @ 11.1'
12								
13								
14								
15								
16								
17								
18								
19								
20								

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DRAFT

BORING NUMBER: TB-17

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 09/03/03
Completion Date: 09/03/03
Borehole Diameter: 2.25"
Borehole Depth: 10.3'
Water Level: Approximately 5.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1								Topsoil
2	NA	S-1	0-4	80	NA	0.0		Silt, Sand, Gravel, Brick, moist (FILL)
3						0.0		
4						0.0		Brown Clayey SILT, some Sand, little Gravel, moist
5						0.0		... wet @ 5.0'
6	NA	S-2	4-8	60	NA	0.0		... some Gravel
7						0.0		
8						0.0		
9	NA	S-3	8-10.3	90	NA	0.0		* Analytical Laboratory Sample TB-17 (8-10')
10						0.0		
11								Refusal @ 10.3'
12								
13								
14								
15								
16								
17								
18								
19								
20								

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DRAFT

BORING NUMBER: TB-18 (MW-4)

Project: Anderson Cleaners
Project No: 3292S-03
DAY Representative: D. Noll
Boring Location: See Test Boring Location Plan
Drilling Contractor: Day Environmental, Inc.
Ground Surface Elevation: NA **Datum:** NA
Drilling Rig: Track Mount 54LT
Start Date: 09/03/03 **Completion Date:** 09/03/03
Sampling Method: Direct Push
Borehole Diameter: 2.25" **Borehole Depth:** 11.3'
Completion Method: 1" PVC Screen & Riser
Water Level: 2.37' from TOC on 9/12/03

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1								Topsoil
2	NA	S-1	0-4	10	NA			Silt, Sand, Gravel, Brick, moist (FILL)
3								
4								
5						1300		Brown / Gray Clayey SILT, some Sand, little Gravel, wet
6	NA	S-2	4-8	50	NA	1748		
7						20.8		
8								
9								Brown Silty SAND and GRAVEL, little Clay, wet
10	NA	S-3	8-11.3	70	NA			
11								
12								Refusal @ 11.3'
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s-18.log

Day Environmental, Inc.
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DRAFT

BORING NUMBER: TB-19

Project: Anderson Cleaners
Project No: 3292S-03
DAY Representative: D. Noll
Boring Location: See Test Boring Location Plan
Drilling Contractor: Day Environmental, Inc.
Ground Surface Elevation: NA
Datum: NA
Drilling Rig: Track Mount 54LT
Start Date: 09/03/03
Completion Date: 09/03/03
Sampling Method: Direct Push
Borehole Diameter: 2.25"
Borehole Depth: 10.9'
Completion Method: Backfilled with cuttings
Water Level: Approximately 4.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-4	70	NA	0.0		Gravel / Asphalt
2						0.0		Silt, Sand, Gravel, Brick, moist (FILL)
3						0.0		
4						0.0		
5	NA	S-2	4-8	60	NA	0.0		Brown / Gray Clayey SILT, some Sand, little Gravel, wet
6						0.0		
7						0.0		
8						0.0		
9	NA	S-3	8-10.9	80	NA	0.0		Brown Silty SAND and GRAVEL, little Clay, wet
10						0.0		* Analytical Laboratory Sample TB-19 (8-10')
11								Refusal @ 10.9'
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292-10.log

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DRAFT

BORING NUMBER: TB-20

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 09/03/03
Completion Date: 09/03/03
Borehole Diameter: 2.25"
Borehole Depth: 1.4'
Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-1.4	50	NA	0.0 0.0		3" Asphalt Silt, Sand, Gravel (FILL), damp
2								Refusal @ 1.4'
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s20.log

Day Environmental, Inc.
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DRAFT

BORING NUMBER: TB-21

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 09/03/03
Completion Date: 09/03/03
Borehole Diameter: 2.25"
Borehole Depth: 7.7'
Water Level: Approximately 4.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1–4	NA	S-1	0-4	70	NA			Topsoil Silt, Sand, Gravel, Brick, moist (FILL) Brown / Back Clayey SILT, some Gravel (Faint odor possible organics)
4–7	NA	S-2	4-7.7	80	NA			... wet @ 4.0' * Analytical Laboratory Sample TB-21 (6-7.7')
8–20								Refusal @ 7.7'

File: 3292s21.log

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DRAFT

BORING NUMBER: TB-22

Project: Anderson Cleaners
DAY Representative: D. Peck
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT Track-Mount
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 11/13/03
Completion Date: 11/13/03
Borehole Diameter: 2.25"
Borehole Depth: 11.9'
Water Level: Approximately 3.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	Laboratory Sample	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						88.6		3" Gravel
2	NA	S-1	0-4	50	NA	1411		Brown Silt, Sand, Gravel (FILL), moist
3						1009		Brown to Gray Clayey SILT, some Sand, little Gravel, wet
4								
5						982		
6	NA	S-2	4-8	80	NA	192		
7						215		
8								
9						1020		
10	NA	S-3	8-11.9	70	NA			... Running SAND at 9.0', wet
11						1075		... fine SAND, trace Gravel, moist
12								Refusal @ 11.9'
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292b22.log

Day Environmental, Inc.
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DRAFT

BORING NUMBER: TB-23 (MW-6)

Project: Anderson Cleaners
DAY Representative: D. Peck
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT Track-Mount
Sampling Method: Direct Push
Completion Method: 1-inch PVC Well Installed

Project No: 3292S-03
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 11/13/03
Completion Date: 11/13/03
Borehole Diameter: 2.25"
Borehole Depth: 11.4'
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	Laboratory Sample	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						7.4		3" Gravel Brown Silt, Sand, Gravel (FILL), moist
2	NA	S-1	0-4	40	NA			Brown to Gray Clayey SILT, some Sand, little Gravel, moist
3						14.9		
4								
5						1.5		... wet
6	NA	S-2	4-8	70	NA	0.8		
7						1.5		
8								Brown coarse SAND, wet
9						12.2		
10	NA	S-3	8-11.4	50	NA	6.5		
11								... becoming fine to medium SAND
12								Refusal @ 11.4'
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292b23.log

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DRAFT

BORING NUMBER: TB-24

Project: Anderson Cleaners
DAY Representative: D. Peck
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT Track-Mount
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Site Plan
Ground Surface Elevation: NA
Start Date: 11/13/03
Borehole Diameter: 2.25"
Water Level: Approximately 4.0'

Datum: NA
Completion Date: 11/13/03
Borehole Depth: 11.9'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	Laboratory Sample	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						3.7		3" Concrete Brown Silt, Sand and Gravel, moist (FILL)
2	NA	S-1	0-4	30	NA	2.1		
3						6.7		Brown to Gray Clayey SILT, moist
4								
5						29.8 313		Brown to Gray SAND and GRAVEL, wet
6	NA	S-2	4-8	80	NA	278		
7						553		Brown / Gray Clayey SILT, trace Sand, wet
8						436		
9						537		
10	NA	S-3	8-11.9	40	NA			
11						22.9		
12								Refusal @ 11.9'
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292b24.log

Day Environmental, Inc.
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DRAFT

BORING NUMBER: TB-25

Project: Anderson Cleaners
DAY Representative: D. Peck
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT Track-Mount
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Site Plan
Ground Surface Elevation: NA
Start Date: 11/13/03
Borehole Diameter: 2.25"
Water Level: Not Encountered

Datum: NA
Completion Date: 11/13/03
Borehole Depth: 2.8'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	Laboratory Sample	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2.8	20	NA	3.3		4.5"Concrete Brown Silt and Gravel (FILL)
2						7.8		... Dark Brown Silt
3								Refusal @ 2.8'
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292b25.log

Day Environmental, Inc.
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DRAFT

BORING NUMBER: TB-26 (MW-7)

Project: Anderson Cleaners
DAY Representative: D. Peck
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT Track-Mount
Sampling Method: Direct Push
Completion Method: 1-inch PVC Well Installed

Project No: 3292S-03
Boring Location: See Site Plan
Ground Surface Elevation: NA
Start Date: 11/13/03
Borehole Diameter: 2.25"
Water Level:

Datum: NA
Completion Date: 11/13/03
Borehole Depth: 10.5'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	Laboratory Sample	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						8.3		5-inches of Concrete
								Brown Silt and Gravel (FILL)
2	NA	S-1	0-4	50	NA	4.2		
								Brown / Gray Clayey SILT, moist
3						18.8		
								... trace organics at 3.0'
4						66.7		
5								Gray Course SAND, wet
						6.8		
6	NA	S-2	4-8	25	NA			
7						12.3		Brown / Gray Clayey SILT, wet
8								
								Brown Silty SAND, wet
9	NA	S-3	8-10.5	NA	NA	21.7		
								... becomes medium SAND
10						171		
11								Refusal @ 10.5'
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292b26.log

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DRAFT

BORING NUMBER: TB-27 (MW-8)

Project: Anderson Cleaners
DAY Representative: D. Peck
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT Track-Mount
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Site Plan
Ground Surface Elevation: NA
Start Date: 11/13/03
Borehole Diameter: 2.25"
Water Level:

Datum: NA
Completion Date: 11/13/03
Borehole Depth: 11.5'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	Laboratory Sample	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.4		3" Wood Floor 2" Asphalt 3" Concrete
2	NA	S-1	0-4	50	NA	0.7		Brown Silt, Sand and Gravel (FILL), moist
3						1.0		Brown / Gray Clayey SILT, little Gravel, moist
4								Brown/Gray coarse SAND, little Gravel, wet
5						3.7		
6	NA	S-2	4-8	70	NA	0.3		Brown / Gray Clayey SILT, wet
7						0.1		
8						0.5		
9						0.0		... little rounded Gravel
10	NA	S-3	8-11.5	70	NA			
11						0.0		
12								Refusal @ 11.5'
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292b27.log

ATTACHMENT B

TABLES

EHMKE WELL DRILLING INFORMATION

DAY ENVIRONMENTAL

MEMORANDUM OF TELEPHONE CONVERSATION

PERSON CALLED/CALLING: Bob Ehmke

COMPANY OR AGENCY: Ehmke Well Drilling

TELEPHONE NUMBER: 716-934-2658

DATE: May 17, 2004 **TIME:**

1. **PROJECT:** Anderson Cleaners 3292S-03

REGARDING: On-site well information

NOTES:

Bob Ehmke was aware of 3 wells at the Anderson Cleaners site: 2 water wells and 1 gas well. Mr. Ehmke drilled the wells himself.

- 1950 – first water well installed. Total depth= 40 feet (33 feet of 6-inch casing and 7 feet into rock.)
- 1954 – second water well installed. Total depth = 100 feet (31 feet of 8-inch casing, then open hole in rock. In 1956, Ehmke installed new steel piping in the 88-inch well casing. This well yielded 35 gpm.
- Gas well installed (date not given). Total depth = 1828 feet.

Mr. Ehmke will fax or mail the logs to our office. He recalled that the geology consisted of shale bedrock (starting at about 31 feet). The shale is overlain by gravel, then a clay/gravel "hard pan," then "blue clay", then mixed fill (the fill is from the ground surface to about 10 feet).

Mr. Ehmke has no well location records.

PREPARED BY: Claire Quadri

ANDERSON CLEANERS
ANDERSON, DAVID — DATE 2/17/50
Hunt Rd — DRILLER CL & RL EHMKE
Jamestown, N.Y. — RIG # 1
WELL LOCATION —
DEPTH — 33' drive pipe 8¼" 1310' Deep
ROCK — 250' casing 6¼"
510' tubing 2"
WATER — ROCK — GRAVEL —
CASING — Gas at- 637'- 12,000
REMARKS — 721'- 28,000
804'- 140,000 no good
856'- 232,000 " "

ANDERSON CLEANERS — DATE 3/15-26/60
Hunt Road — DRILLER Babe-Dick- Carl
Jamestown, N.Y. — RIG # 17 (1st. jbb)
WELL LOCATION — same
DEPTH — 1539'
ROCK —
WATER — ROCK — GRAVEL —
CASING —
REMARKS — Started drilling at 1310'. Ream hole to 1310' with 6 1/8" bit.
over

ANDERSON CLEANERS — DATE 3/29 & 4-1-60
Hunt Road — DRILLER Babe-Dick
Jamestown, N.Y. — RIG # 17
WELL LOCATION — same
DEPTH — 1828'
ROCK —
WATER — ROCK — GRAVEL —
CASING —
REMARKS — Drilled 1539' to 1828'
over

↑ Gas well (ABANDONED
FOR CLAIRE QUADRI

ANDERSON CLEANERS — DATE 6-12-54
Jamestown, N.Y. — DRILLER
RIG # 3
WELL LOCATION —
DEPTH — 100'
ROCK —
WATER — 31' ROCK — GRAVEL — Water
CASING — 31'-8"
REMARKS — 35GPM

ANDERSON, DAVID — DATE 4-18-50
Hunt Rd. — DRILLER
Jamestown, N.Y. — RIG #1
WELL LOCATION —
DEPTH — 40'
ROCK —
WATER — 33' ROCK — GRAVEL — Water
CASING — 33'-6" WI
REMARKS —

BEACON Report No. EM1709

PASSIVE SOIL-GAS SURVEY
5 HUNT ROAD
JAMESTOWN, NY

Prepared for

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614

by

Beacon Environmental Services, Inc.
323 Williams Street
Suite D
Bel Air, MD 21014

April 5, 2005

Applying Results from Soil-Gas Surveys

The utility of soil-gas surveys is directly proportional to their accuracy in reflecting and representing changes in the subsurface concentrations of source compounds. Passive soil-gas survey results are the mass collected from the vapor-phase emanating from the source. The vapor-phase is merely a fractional trace of the source, so, as a matter of convenience, the units used in reporting detection values from passive soil-gas surveys are smaller than those employed for source-compound concentrations.

The critical fact is that, whatever the relative concentrations of source and associated soil gas, best results are realized when the ratio of soil-gas measurements to actual subsurface concentrations remains as close to constant as the real world permits. It is the reliability and consistency of this ratio, not the particular units of mass (*e.g.*, nanograms) that determine usefulness. Thus, BEACON emphasizes the necessity of conducting — at minimum — follow-on intrusive sampling at one or two points that show relatively high soil-gas measurements to obtain corresponding concentrations of soil and groundwater contaminants. These correspondent values furnish the basis for approximating the required ratio. Once that ratio is established, it can be used in conjunction with the soil-gas measurements (regardless of the units adopted) to estimate subsurface contaminant concentrations across the survey field. It is important to keep in mind, however, that specific conditions at individual sample points, including soil porosity and permeability, depth to contamination, and perched ground water, can have significant impact on soil-gas measurements at those locations.

When passive soil-gas surveys are handled in this way, the data provide information that can yield substantial savings in drilling costs and in time. They furnish, among other things, a checklist of compounds expected at each survey location and help to determine how and where drilling budgets can most effectively be spent.

BEACON Report Number: EM1709

Passive Soil-Gas Survey
5 Hunt Road
Jamestown, NY

This Passive Soil-Gas Survey Report has been prepared for Day Environmental, Inc. (DAY) by Beacon Environmental Services, Inc. (BEACON) in accordance with the terms of Work Order No. 3563S-04/CCD3154, dated March 14, 2005. BEACON's principal technical contact at DAY for this project has been Mr. Chris Davidson. Passive soil-gas samples were collected following the protocols of the EMFLUX® Passive Soil-Gas Sampling System.

1. Objectives

Soil-gas samples were collected to determine the presence, identity, and relative strength of targeted contaminants in soil and/or ground water at the 5 Hunt Road site. Survey results will be used to delineate the lateral extent of known contamination at the site.

2. Target Compounds

This survey targeted the 12 compounds listed in **Table 1**, which supplies the resulting laboratory data in nanograms (ng) of specific compound per cartridge.

3. Survey Description

- No. of Field Sample Points: 14
- No. of Duplicate Field Samples: 1
- No. of Trip Blanks: 1
- Total No. of Samples: 16
- Field sample locations are shown on **Figure 1**.

4. Field Work

DAY was provided a Field Kit with the equipment needed to conduct a 14-point passive soil-gas survey. Samplers were deployed on March 18, 2005, and were retrieved on March 24, 2005. **Attachment 1** describes the field procedures used. Individual deployment and retrieval times will be found in the Field Deployment Report (**Attachment 2**).

5. Analysis and Reporting Dates

- BEACON's laboratory received 16 samples for analysis on March 25, 2005.
- Adsorbent cartridges from the passive samplers were thermally desorbed, then analyzed using gas chromatography/mass spectrometry (GC/MS) equipment, in accordance with EPA Method 8260B (Modified), as described in **Attachment 3**. BEACON's laboratory analyzed each cartridge for the targeted compounds.
- BEACON's laboratory completed the analysis on March 28, 2005. Following a laboratory review, results were provided to DAY on March 29, 2005.

6. Report Notes and Quality Assurance/Quality Control Factors

- **Table 1** provides survey results in nanograms per cartridge by sample-point number and compound name. The quantitation levels represent values above which quantitative laboratory results can be achieved within specified limits of precision and with a high degree of confidence. The quantitation level for each compound, therefore, provides a reliable basis for comparing the relative strength of any detection of that compound.

- **Data Compatibility**. It is important to note that when sample locations are covered with or near the edge of an artificial surface (*e.g.*, asphalt or concrete), sample measurements are often distorted (increased) significantly. Such distortion can be attributed to the fact that gas rising from sources beneath impermeable caps tends to reach equilibrium underneath the cap. Thus, a reading taken below or near an impermeable surface is much higher than it would be in the absence of such a cap.

- The **Chain-of-Custody** form, which was shipped with the samples for this survey, is supplied as **Attachment 4**.

- **Laboratory QA/QC procedures** included standards, surrogates, and blanks appropriate to EPA Method 8260 (Modified). Field work, analyses, and reporting were done in accordance with BEACON's Quality Assurance Program Plan.

- **QA/QC Contaminant Corrections**. Following EPA guidelines, laboratory data is not corrected for method blank or trip blank sample contamination values; any contamination detected on QA/QC samples is reported in **Table 1**.

- **Laboratory method blanks** are run each day with project samples to identify contamination present in the laboratory. If contamination is detected on a method blank, measurements of identical compounds on samples analyzed the same day are considered

to be suspect and are flagged in the laboratory report. The laboratory method blank analyzed in connection with the present samples revealed no contamination.

- The **trip blank** is a sampling cartridge prepared, transported, and analyzed with other samples but intentionally not exposed. Any target compounds identified on the trip blanks are reported in the laboratory data. The analysis of the trip blank (labeled Trip-1 in **Table 1**) reported none of the targeted compounds, indicating that the survey site itself is the source of detected contamination.

- **Duplicates**. BEACON's passive soil-gas samplers are prepared with two cartridges for subsequent duplicate or confirmatory sample analysis. At DAY's request, duplicate analysis was performed for sample SG-14, designated SG-14 D. Because of finite differences between the cartridges, and the random nature of diffusive particle movement, comparisons between duplicates and primary samples should be made on a qualitative basis, as quantitative results may be subject to random distortions. No target compounds were identified on sample SG-14 or SG-14 D.

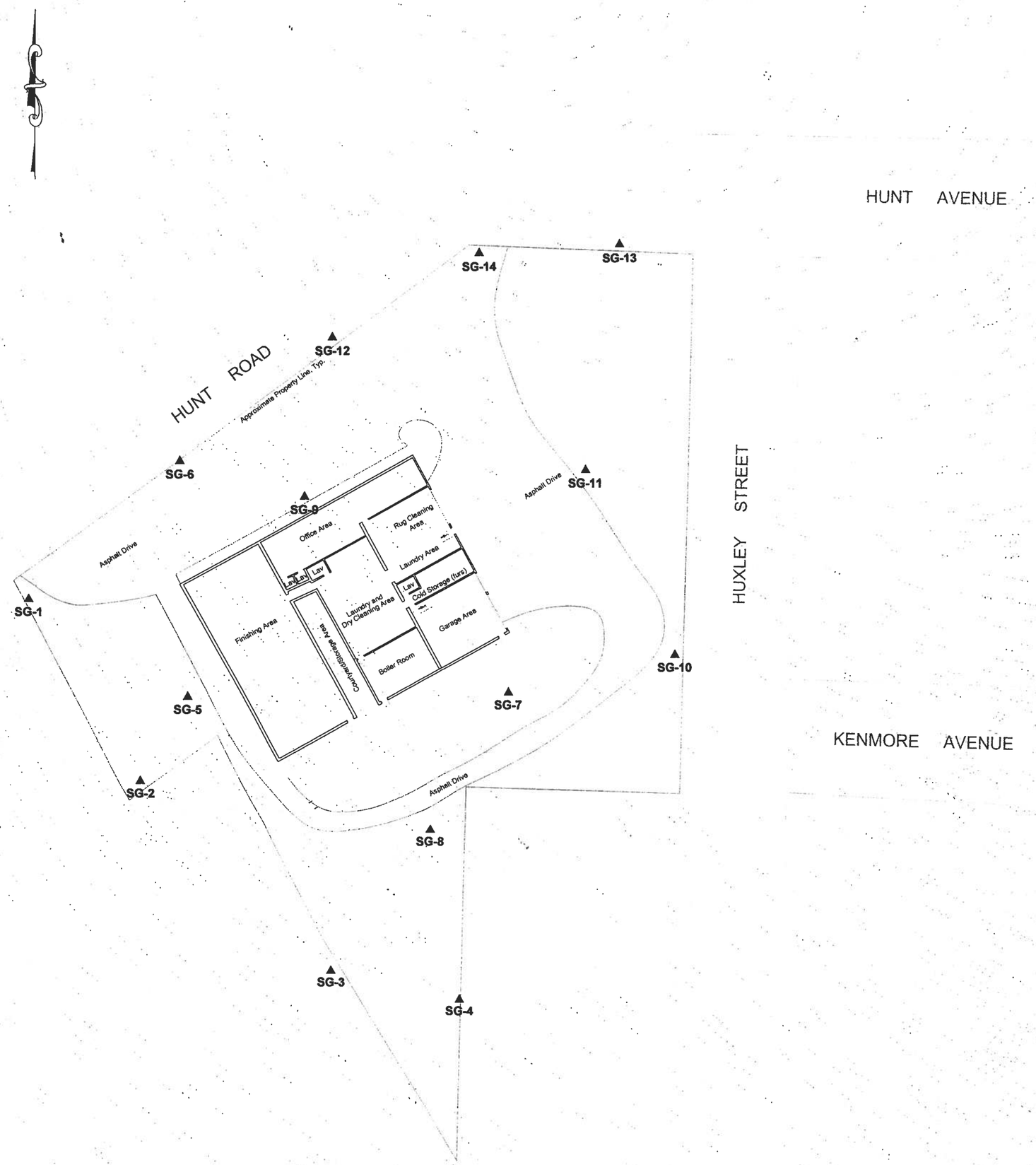
- **Survey findings** are relative exclusively to this project and should not routinely be compared with results of other BEACON Surveys. *To establish a relationship between reported soil-gas measurements and actual subsurface contaminant concentrations, which will indicate those detections representing significant subsurface contamination, BEACON recommends the guidelines on the inside front cover of this report.*

- Notes on the Chain-of-Custody form indicated that sample location SG-5 had water in the sampling hole. When soil moisture content is high for at least part of the survey period, as at location SG-5, the diffusion rate of gas through a column of soil is reduced; therefore, soil-gas measurements would be expected to be lower than if the soil was dry.

Figure 2 shows the distribution of Tetrachloroethene across the survey area.

- The following **Attachments** are included:

  -1- Field Procedures
  -2- Field Deployment Report
  -3- Laboratory Procedures
  -4- Chain-of-Custody Form



NOTES:

1. Site Plan produced from drawings by Habiterra Associates, Thorsell, Kennedy, Casker, Amone & Hedin. P.C. entitled "Addition and Renovations, Anderson Cleaners, Inc", drawings A-1 Floor Plan dated October 22, 1985 and L-1 Grading Plan and from notes of a site visit by a representative of Day Environmental, Inc. on 08-04-03.
2. Soil gas locations were obtained in the field by a Trimble GeoXT GPS or tape measurement from existing site structures and should be considered accurate to the degree implied by the method used.

BEACON ENVIRONMENTAL SERVICES, INC.

323 Williams Street, Suite D, Bel Air, MD, 800-878-5510
Beacon Project No. EM1709, March 2005

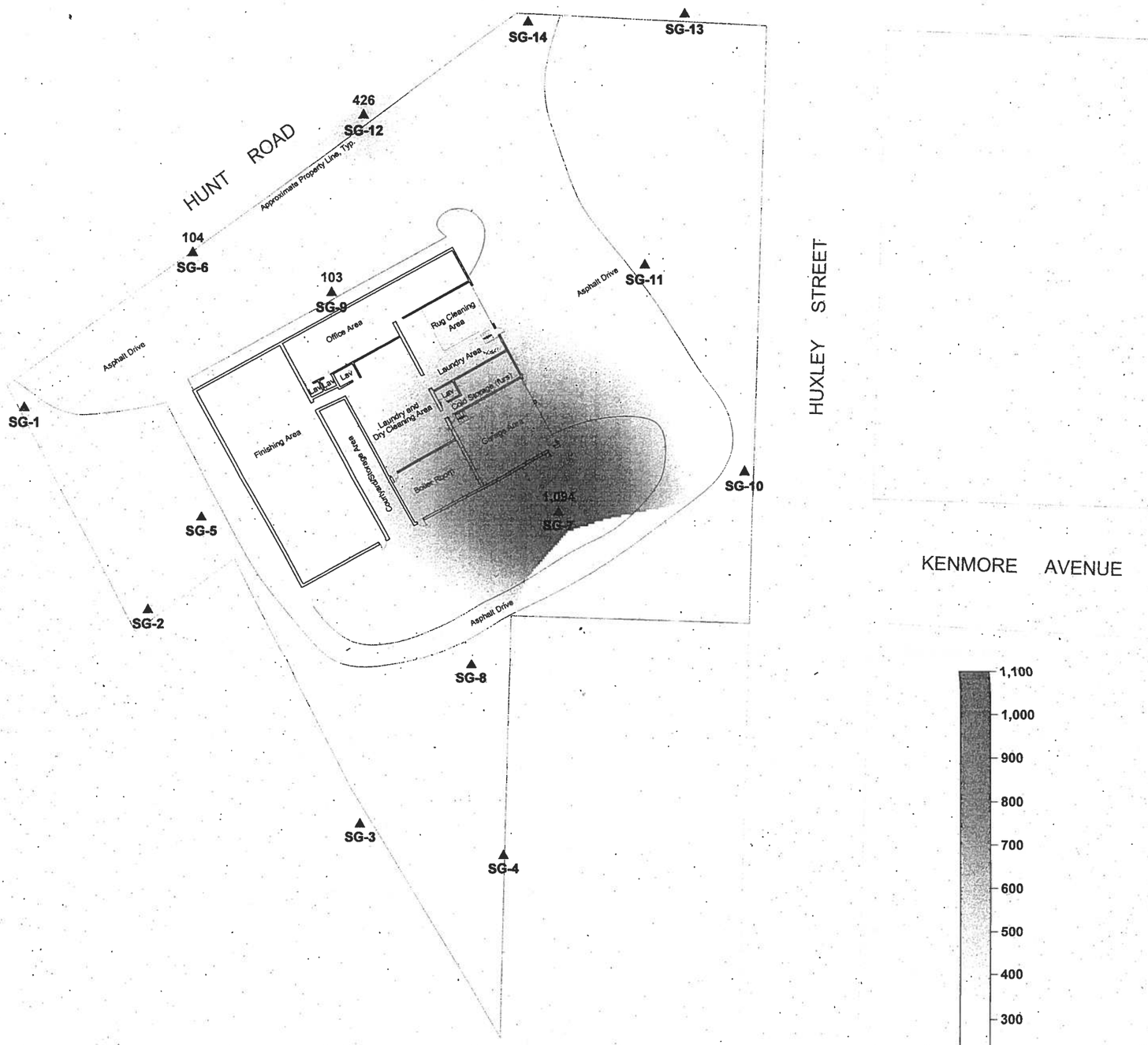
▲ SG-7 PASSIVE SOIL-GAS SAMPLE LOCATION

Scale in Feet

0 50 100

Figure 1
Passive Soil-Gas Survey
Sample Locations

5 Hunt Road
Jamestown, NY



NOTES:

1. Site Plan produced from drawings by Habiterra Associates, Thorsell, Kennedy, Casker, Arnone & Hedin. P.C. entitled "Addition and Renovations, Anderson Cleaners, Inc", drawings A-1 Floor Plan dated October 22, 1985 and L-1 Grading Plan and from notes of a site visit by a representative of Day Environmental, Inc. on 08-04-03.
2. Soil gas locations were obtained in the field by a Trimble GeoXT GPS or tape measurement from existing site structures and should be considered accurate to the degree implied by the method used.

103 TETRACHLOROETHENE (nanograms)

SG-7 PASSIVE SOIL-GAS SAMPLE LOCATION

Scale in Feet

0 50 100

BEACON ENVIRONMENTAL SERVICES, INC.

323 Williams Street, Suite D, Bel Air, MD, 800-878-5510

Beacon Project No. EM1709, March 2005

Figure 2
Passive Soil-Gas Survey
Tetrachloroethene

5 Hunt Road
Jamestown, NY

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	Meth_Blk	Trip-1	SG-1	SG-2	SG-3	SG-4
Project Number:	EM1709	EM1709	EM1709	EM1709	EM1709	EM1709
Lab File ID:	05032803	05032804	05032805	05032806	05032807	05032808
Received Date:		3/25/2005	3/25/2005	3/25/2005	3/25/2005	3/25/2005
Analysis Date:	3/28/2005	3/28/2005	3/28/2005	3/28/2005	3/28/2005	3/28/2005
Analysis Time:	11:11	11:42	12:13	12:44	13:15	13:46
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Vinyl Chloride	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	**27**	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
Toluene	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25	<25	<25
Ethylbenzene	<25	<25	<25	<25	<25	<25
p & m-Xylene	<25	<25	<25	<25	<25	<25
o-Xylene	<25	<25	<25	<25	<25	<25

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	SG-5	SG-6	SG-7	SG-8	SG-9	SG-10
Project Number:	EM1709	EM1709	EM1709	EM1709	EM1709	EM1709
Lab File ID:	05032809	05032810	05032811	05032812	05032813	05032814
Received Date:	3/25/2005	3/25/2005	3/25/2005	3/25/2005	3/25/2005	3/25/2005
Analysis Date:	3/28/2005	3/28/2005	3/28/2005	3/28/2005	3/28/2005	3/28/2005
Analysis Time:	14:18	14:49	15:20	15:51	16:22	16:53
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS						
Vinyl Chloride	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	**51**	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	**49**	<25
Trichloroethene	<25	<25	**51**	<25	<25	<25
Toluene	<25	<25	<25	<25	**26**	<25
Tetrachloroethene	<25	**104**	**1,094**	<25	**103**	<25
Ethylbenzene	<25	<25	<25	<25	<25	<25
p & m-Xylene	<25	<25	<25	<25	<25	<25
o-Xylene	<25	<25	<25	<25	<25	<25

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Table 1

Beacon Environmental Services, Inc.
323 Williams Street, Ste. D
Bel Air, MD 21014

Analysis by EPA Method 8260B (Modified)

Client Sample ID:	SG-11	SG-12	SG-13	SG-14	SG-14 D
Project Number:	EM1709	EM1709	EM1709	EM1709	EM1709
Lab File ID:	05032815	05032820	05032817	05032818	05032819
Received Date:	3/25/2005	3/25/2005	3/25/2005	3/25/2005	3/25/2005
Analysis Date:	3/28/2005	3/29/2005	3/28/2005	3/28/2005	3/28/2005
Analysis Time:	17:24	8:42	18:26	18:57	19:28
Units:	ng/trap	ng/trap	ng/trap	ng/trap	ng/trap
COMPOUNDS					
Vinyl Chloride	<25	<25	<25	<25	<25
1,1-Dichloroethene	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25
Toluene	<25	<25	<25	<25	<25
Tetrachloroethene	<25	**426**	<25	<25	<25
Ethylbenzene	<25	<25	<25	<25	<25
p & m-Xylene	<25	<25	<25	<25	<25
o-Xylene	<25	<25	<25	<25	<25

Results in nanograms (ng). J = Estimated value below reported quantitation level. B = Detected in method blank.

Attachments

Attachment 1

FIELD PROCEDURES FOR PASSIVE SOIL-GAS SURVEYS

The following field procedures are routinely used during a BEACON Passive Soil-Gas Survey. Modifications can be and are incorporated from time to time in response to individual project requirements. In all instances, BEACON adheres to EPA-approved Quality Assurance and Quality Control practices.

A. Field personnel carry system components and support equipment to the site and deploy the passive samplers in a prearranged survey pattern. A passive sampler consists of a glass vial containing hydrophobic adsorbent cartridges with a length of wire attached to the vial for retrieval. Although samplers require only one person for emplacement and retrieval, the specific number of field personnel required depends upon the scope and schedule of the project. Each Sampler emplacement generally takes less than two minutes.

B. For those sample locations covered with soils or vegetation, a field technician clears vegetation and debris exposing the ground surface. Using a hammer and a ¾″-diameter pointed metal stake, the technician creates a hole approximately three inches deep. For those locations covered with an asphalt or concrete cap, the field technician drills a 1½″-diameter hole through the cap to the soils beneath. (If necessary, the sampler can be sleeved with a ¾″ i.d. copper pipe for either capped or uncapped locations).

C. The technician then removes the solid plastic cap from a sampler and replaces it with a Sampling Cap (a plastic cap with a hole covered by screen meshing). The technician inserts the sampler, with the Sampling Cap end facing down, into the hole (**see attached figure**). The sampler is then covered with either local soils for uncapped locations or, for capped locations, aluminum foil and a concrete patch. The sampler's location, time and date of emplacement, and other relevant information are recorded on the Field Deployment Form.

D. One or more trip blanks are included as part of the quality-control procedures.

E. Once all the passive samplers have been deployed, field personnel schedule sampler recovery and depart, taking all other equipment and materials with them.

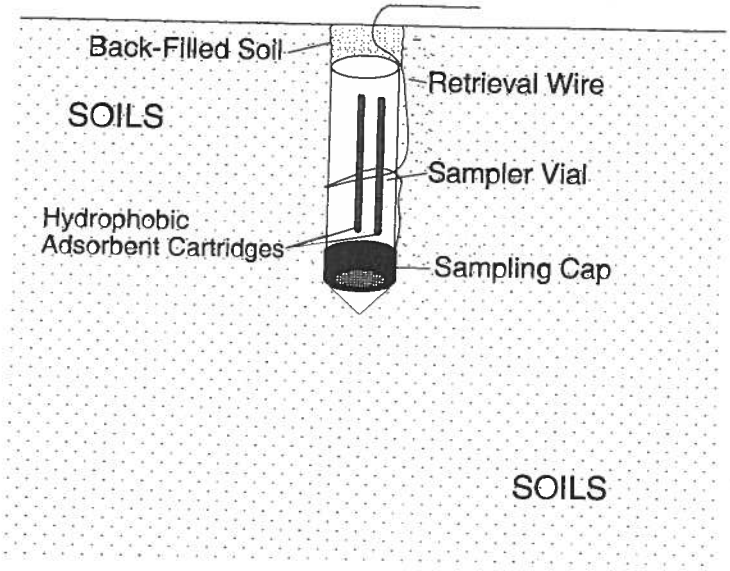
F. Field personnel retrieve the samplers at the end of the exposure period. At each location, a field technician withdraws the sampler from its hole, removes the retrieval wire, and wipes the outside of the vial clean using gauze cloth; following removal of the Sampling Cap, the threads of the vial are also cleaned. A solid plastic cap is screwed onto the vial and the sample location number is written on the label. The technician then records sample-point location, date, time, etc. on the Field Deployment Form.

G. Sampling holes are refilled with soil, sand, or other suitable material. If Samplers have been installed through asphalt or concrete, the hole is filled to grade with a plug of cold patch or cement.

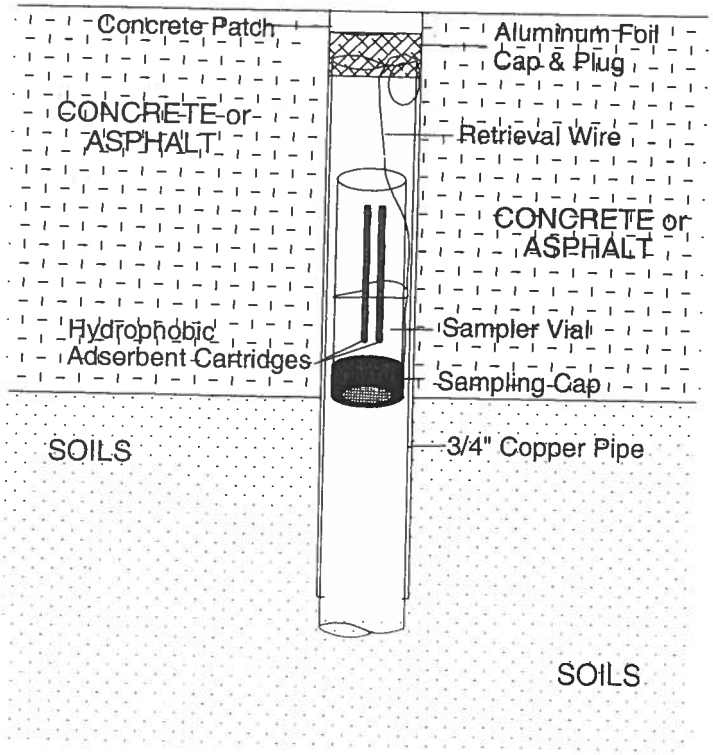
H. Following retrieval, field personnel ship or carry the passive samplers to BEACON's laboratory.

BEACON PASSIVE SAMPLER

DEPLOYMENT THROUGH SOILS



DEPLOYMENT THROUGH AN ASPHALT/CONCRETE CAP



Attachment 2

Field Deployment Report

PASSIVE SOIL GAS SURVEY
FIELD DEPLOYMENT REPORT

Project Information	
Beacon Project No.:	EM1709
Site Name:	5 Hunt Road
Site Location:	Jamestown, NY

BEACON ENVIRONMENTAL SERVICES, INC.

323 Williams Street, Suite D, Bel Air, MD 21014, 800-878-5510

Client Information	
Company Name:	Day Environmental, Inc.
Office Location:	Rochester, NY
Samples Collected By:	CHRIS DAVIDSON

FIELD SAMPLE ID	Date Emplaced / Time Emplaced	Date Retrieved / Time Retrieved	FIELD NOTES (e.g., asphalt/concrete covering, description of sample location, sampling hole depth, cartridge/vial condition)
	3/18/05 /	3/24/05 /	
SG-1	1320	1014	Soil, 12" deep
SG-2	1308	1008	Soil, 12" deep
SG-3	1302	1005	Soil, 12" deep
SG-4	1252	1002	Soil, 12" deep
SG-5	1315	1011	Soil, 12" deep
SG-6	1325	1017	Soil, 12" deep
SG-7	1204	0955	Soil, 12" deep
SG-8	1245	1000	Soil, 12" deep
SG-9	1350	1027	Asphalt, 12" deep, vial good condition
SG-10	1155	0953	Soil, 12" deep
SG-11	1130	0943	Soil, 12" deep
SG-12	1339	1020	Soil, 12" deep
SG-13	1146	0948	Soil, 12" deep
SG-14	1134	0940	Soil, 12" deep.

Attachment 3

LABORATORY PROCEDURES FOR PASSIVE SOIL-GAS SAMPLES

Following are laboratory procedures used with BEACON Passive Soil-Gas Surveys, a screening technology for expedited site investigation. After exposure, adsorbent cartridges from the passive samplers are analyzed using U.S. EPA Method 8260B as described in the Solid Waste Manual (SW-846), a capillary gas chromatographic/mass spectrometric method, modified to accommodate high temperature thermal desorption of the adsorbent cartridges. This procedure is summarized as follows:

A. The adsorbent cartridges are loaded with internal standards and surrogates prior to loading the autosampler with the cartridges. The loaded cartridges are purged in a helium flow. Then the cartridges are thermally desorbed in a helium flow onto a focusing trap. Any analytes in the helium stream are adsorbed onto a focusing trap.

B. Following trap focusing, the trap is thermally desorbed onto a DB-VRX 60m, 0.25 mm ID, 1.40 micron filament thickness capillary column.

C. The GC/MS is scanned between 35 and 270 Atomic Mass Units (AMU) at 3.12 scans per second.

D. BFB tuning criteria and the initial five-point calibration procedures are those stated in method SW846-8260B. System performance and calibration check criteria are met prior to analysis of samples. A laboratory method blank is analyzed after the daily standard to determine that the system is contaminant-free.

E. The instrumentation used for these analyses includes:

- Agilent 6890-5973 Gas Chromatograph/Mass Spectrometer;
- Markes Unity thermal desorber;
- Markes UltrA autosampler; and
- Markes Mass Flow Controller Module.

Attachment 4

Chain-of-Custody Form

CHAIN-OF-CUSTODY
PASSIVE SOIL-GAS SAMPLES

Project Information	
Beacon Project No.:	EM1709
Site Name:	5 Hunt Road
Site Location:	Jamestown, NY
Analytical Method:	EPA Method 8260B
Target Compounds:	Beacon Project Number EM1709 Rev.1 Target Compound List

BEACON ENVIRONMENTAL SERVICES, INC.
323 Williams Street, Suite D, Bel Air, MD 21014, 800-878-5510

Client Information	
Company Name:	Day Environmental, Inc.
Office Location:	Rochester, NY
Samples Submitted By:	C. Davidson
Contact Phone No.:	(585) 454-0210 x127

Field Sample ID	Lab Sample ID (for lab use only)		Comments (only necessary if problem or discrepancy) Condition of sample or vial	Date	Time	Initial
SG-1	1709	SG-1		3/24/05	1014	CCD
SG-2	1709	SG-2		3/24/05	1008	CCD
SG-3	1709	SG-3		3/24/05	1005	CCD
SG-4	1709	SG-4		3/24/05	1002	CCD
SG-5	1709	SG-5	H_2O in copper sleeve	3/24/05	1011	CCD
SG-6	1709	SG-6		3/24/05	1017	CCD
SG-7	1709	SG-7		3/24/05	0955	CCD
SG-8	1709	SG-8		3/24/05	1000	CCD
SG-9	1709	SG-9		3/24/05	1027	CCD
SG-10	1709	SG-10		3/24/05	0953	CCD
SG-11	1709	SG-11		3/24/05	0943	CCD
SG-12	1709	SG-12		3/24/05	1020	CCD
SG-13	1709	SG-13		3/24/05	0948	CCD
SG-14	1709	SG-14		3/24/05	0940	CCD
~~SG-15 CCD~~				~~3/24/05~~		~~CCD~~ CCD
SG-14D	1709	SG-14D		3/24/05	0940	CCD
Trip-1	1709	Trip-1	Added to CoC at Beacon LAB			RHS

Shipment of Field Kit to Site — Custody Seal # 00424513 **Intact? Y N**

Relinquished by:	Date/Time	Courier	Received by:	Date/Time
Ryan Scheidt	3/16/2005 - 1700	FEDEX	CCD	3/17/05 12:00

Shipment of Field Kit to Laboratory — Custody Seal # 00424516 **Intact? (Y) N**

Relinquished by:	Date/Time	Courier	Received by:	Date/Time
CCD	3/24/05 - 1130	FEDEX	Ryan Scheidt	3-25-2005 / 0945

ANALYTICAL LABORATORY RESULTS

SOIL SAMPLES: PARADIGM AND CAS

ANALYTICAL LABORATORY RESULTS

SAMPLE DATE: AUGUST 4, 2003

TB-3 (2-4')

TB-4 (4-7')

TB-6 (2-4')

TB-7 (0-2')

TB-9 (0-2')

TB-1 (2-4')

TB-2 (2-4')

TB-2 (4-6')

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	Wright	**Lab Project Number:**	03-2091
		Lab Sample Number:	7200
Client Job Number:	3292S-03		
Field Location:	TB-3 (2'-4')	**Date Sampled:**	08/04/2003
Field ID Number:	S-2	**Date Received:**	08/05/2003
Sample Type:	Soil	**Date Analyzed:**	08/11/2003

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 179
Bromomethane	ND< 179
Bromoform	ND< 179
Carbon tetrachloride	ND< 179
Chloroethane	ND< 179
Chloromethane	ND< 179
2-Chloroethyl vinyl ether	ND< 179
Chloroform	ND< 179
Dibromochloromethane	ND< 179
1,1-Dichloroethane	ND< 179
1,2-Dichloroethane	ND< 179
1,1-Dichloroethene	ND< 179
cis-1,2-Dichloroethene	E 31,000
trans-1,2-Dichloroethene	440
1,2-Dichloropropane	ND< 179
cis-1,3-Dichloropropene	ND< 179
trans-1,3-Dichloropropene	ND< 179
Methylene chloride	ND< 448
1,1,2,2-Tetrachloroethane	ND< 179
Tetrachloroethene	6,350
1,1,1-Trichloroethane	ND< 179
1,1,2-Trichloroethane	ND< 179
Trichloroethene	4,450
Trichlorofluoromethane	ND< 179
Vinyl Chloride	692

Aromatics	Results in ug / Kg
Benzene	ND< 179
Chlorobenzene	ND< 179
Ethylbenzene	ND< 179
Toluene	ND< 179
m,p - Xylene	ND< 179
o - Xylene	ND< 179
Styrene	ND< 179
1,2-Dichlorobenzene	ND< 179
1,3-Dichlorobenzene	ND< 179
1,4-Dichlorobenzene	ND< 179

Ketones	Results in ug / Kg
Acetone	ND< 896
2-Butanone	ND< 448
2-Hexanone	ND< 448
4-Methyl-2-pentanone	ND< 448

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 448
Vinyl acetate	ND< 448

ELAP Number 10958 Method: EPA 8260B Data File: 66725.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram
E denotes Estimated. Concentration exceeds calibration range.

Signature: _____
Bruce Hoogesteger: Technical Director

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PCB Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	Wright	**Lab Project Number:**	03-2091
		Lab Sample Number:	7196
Client Job Number:	3292S-03		
Field Location:	TB-9 (0'-2')	**Date Sampled:**	08/04/2003
Field ID Number:	N/A	**Date Received:**	08/05/2003
Sample Type:	Soil	**Date Analyzed:**	08/12/2003

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.503
Aroclor 1221	ND< 0.503
Aroclor 1232	ND< 0.503
Aroclor 1242	ND< 0.503
Aroclor 1248	ND< 0.503
Aroclor 1254	ND< 0.503
Aroclor 1260	ND< 0.503

ELAP Number 10958 Method: EPA 8082A

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

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PCB Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	Wright	**Lab Project Number:**	03-2091
		Lab Sample Number:	7195
Client Job Number:	3292S-03		
Field Location:	TB-7 (0'-2')	**Date Sampled:**	08/04/2003
Field ID Number:	N/A	**Date Received:**	08/05/2003
Sample Type:	Soil	**Date Analyzed:**	08/12/2003

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.433
Aroclor 1221	ND< 0.433
Aroclor 1232	ND< 0.433
Aroclor 1242	ND< 0.433
Aroclor 1248	ND< 0.433
Aroclor 1254	ND< 0.433
Aroclor 1260	ND< 0.433

ELAP Number 10958 Method: EPA 8082A

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature:

Bruce Hoogesteger, Technical Director

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PHC Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	Wright	**Lab Project Number:**	03-2091
		Lab Sample Number:	7202
Client Job Number:	3292S-03		
Field Location:	TB-6 (2'-4')	**Date Sampled:**	08/04/2003
Field ID Number:	N/A	**Date Received:**	08/05/2003
Sample Type:	Soil	**Date Analyzed:**	08/12/2003

PHC Classification	Results in ug / Kg
Light Weight PHC as: Mineral Spirits	14,000

ELAP Number 10958 Method: NYSDOH 310.13

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram
PHC = Petroleum Hydrocarbon

Signature:
Bruce Hoogesteger: Technical Director

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PHC Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	Wright	**Lab Project Number:**	03-2091
		Lab Sample Number:	7200
Client Job Number:	3292S-03		
Field Location:	TB-3 (2'-4')	**Date Sampled:**	08/04/2003
Field ID Number:	N/A	**Date Received:**	08/05/2003
Sample Type:	Soil	**Date Analyzed:**	08/12/2003

PHC Classification	Results in ug / Kg
Light Weight PHC as: Mineral Spirits	12,900

ELAP Number 10958 Method: NYSDOH 310.13

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram
PHC = Petroleum Hydrocarbon

Signature:

Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	Wright	**Lab Project Number:**	03-2091
		Lab Sample Number:	7201
Client Job Number:	3292S-03		
Field Location:	TB-4 (4'-7')	**Date Sampled:**	08/04/2003
Field ID Number:	S-2	**Date Received:**	08/05/2003
Sample Type:	Soil	**Date Analyzed:**	08/11/2003

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 49.6
Bromomethane	ND< 49.6
Bromoform	ND< 49.6
Carbon tetrachloride	ND< 49.6
Chloroethane	ND< 49.6
Chloromethane	ND< 49.6
2-Chloroethyl vinyl ether	ND< 49.6
Chloroform	ND< 49.6
Dibromochloromethane	ND< 49.6
1,1-Dichloroethane	ND< 49.6
1,2-Dichloroethane	ND< 49.6
1,1-Dichloroethene	ND< 49.6
cis-1,2-Dichloroethene	1,440
trans-1,2-Dichloroethene	98.7
1,2-Dichloropropane	ND< 49.6
cis-1,3-Dichloropropene	ND< 49.6
trans-1,3-Dichloropropene	ND< 49.6
Methylene chloride	ND< 124
1,1,2,2-Tetrachloroethane	ND< 49.6
Tetrachloroethene	3,060
1,1,1-Trichloroethane	ND< 49.6
1,1,2-Trichloroethane	ND< 49.6
Trichloroethene	458
Trichlorofluoromethane	ND< 49.6
Vinyl Chloride	ND< 49.6

Aromatics	Results in ug / Kg
Benzene	ND< 49.6
Chlorobenzene	ND< 49.6
Ethylbenzene	ND< 49.6
Toluene	144
m,p - Xylene	148
o - Xylene	50.0
Styrene	ND< 49.6
1,2-Dichlorobenzene	ND< 49.6
1,3-Dichlorobenzene	ND< 49.6
1,4-Dichlorobenzene	ND< 49.6

Ketones	Results in ug / Kg
Acetone	ND< 248
2-Butanone	ND< 124
2-Hexanone	ND< 124
4-Methyl-2-pentanone	ND< 124

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 124
Vinyl acetate	ND< 124

ELAP Number 10958 Method: EPA 8260B Data File: 66728.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	Wright	**Lab Project Number:**	03-2091
		Lab Sample Number:	7197
Client Job Number:	3292S-03		
Field Location:	TB-1(2'-4')	**Date Sampled:**	08/04/2003
Field ID Number:	N/A	**Date Received:**	08/05/2003
Sample Type:	Soil	**Date Analyzed:**	08/08/2003

Halocarbons	Results in ug / Kg
Tetrachloroethene	43.9

ELAP Number 10958 Method: EPA 8021B (GC/MS) Data File: 66706.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	Wright	**Lab Project Number:**	03-2091
		Lab Sample Number:	7198
Client Job Number:	3292S-03		
Field Location:	TB-2(2'-4')	**Date Sampled:**	08/04/2003
Field ID Number:	N/A	**Date Received:**	08/05/2003
Sample Type:	Soil	**Date Analyzed:**	08/08/2003

Halocarbons	Results in ug / Kg
Tetrachloroethene	298

ELAP Number 10958 Method: EPA 8021B (GC/MS) Data File: 66707.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	Wright	**Lab Project Number:**	03-2091
		Lab Sample Number:	7199
Client Job Number:	3292S-03		
Field Location:	TB-2(4'-6')	**Date Sampled:**	08/04/2003
Field ID Number:	N/A	**Date Received:**	08/05/2003
Sample Type:	Soil	**Date Analyzed:**	08/08/2003

Halocarbons	Results in ug / Kg
Tetrachloroethene	ND< 11.5

ELAP Number 10958 Method: EPA 8021B (GC/MS) Data File: 66708.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	. Wright	**Lab Project Number:**	03-2091
		Lab Sample Number:	7200
Client Job Number:	3292S-03		
Field Location:	TB-3(2'-4')	**Date Sampled:**	08/04/2003
Field ID Number:	N/A	**Date Received:**	08/05/2003
Sample Type:	Soil	**Date Analyzed:**	08/11/2003

Halocarbons	Results in ug / Kg
Tetrachloroethene	6,350

ELAP Number 10958 Method: EPA 8021B (GC/MS) Data File: 68725.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	Wright	**Lab Project Number:**	03-2091
		Lab Sample Number:	7201
Client Job Number:	3292S-03		
Field Location:	TB-4(4'-7')	**Date Sampled:**	08/04/2003
Field ID Number:	N/A	**Date Received:**	08/05/2003
Sample Type:	Soil	**Date Analyzed:**	08/11/2003

Halocarbons	Results in ug / Kg
Tetrachloroethene	3,060

ELAP Number 10958 Method: EPA 8021B (GC/MS) Data File: 66728.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger, Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	Wright	**Lab Project Number:**	03-2091
		Lab Sample Number:	7202
Client Job Number:	3292S-03		
Field Location:	TB-6(2'-4')	**Date Sampled:**	08/04/2003
Field ID Number:	N/A	**Date Received:**	08/05/2003
Sample Type:	Soil	**Date Analyzed:**	08/08/2003

Halocarbons	Results in ug / Kg
Tetrachloroethene	ND< 8.12

ELAP Number 10958 Method: EPA 8021B (GC/MS) Data File: 66713.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

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Rochester, NY 14608
(585) 647-2530 * (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY:	COMPANY:	LAB PROJECT #: / CLIENT PROJECT #:
ADDRESS:	ADDRESS:	
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: FAX:	PHONE: FAX:	STD / OTHER
ATTN:	ATTN:	1 2 3 5
COMMENTS:		

PROJECT NAME/SITE NAME:

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	PCB BOTTLE	TPH 310.13	TPH 8015 BOTTLE	TPH PRE ONLY							REMARKS	PARADIGM LAB SAMPLE NUMBER				
1						S	1	X															
2								X															
3										X													
4										X													
5										X													
6									X	X													
7										X													
8						↓	↓		X	X													
9																							
10																							

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:

CONTAINER TYPE: PRESERVATIONS: HOLDING TIME: TEMPERATURE:

Sampled By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

Received @ Lab By: Date/Time:

Total Cost:

P.I.F.

MITKEM LABORATORY DATA

ANALYTICAL LABORATORY RESULTS

SAMPLE DATE: SEPTEMBER 3, 2003

TB-13 (6-7.7')

TB-17 (8-10')

TB-19 (8-10')

SED SAMPLE

TB-10 (8-10')

TB-15 (8-10')

TB-21 (6 – 7.7')

COLUMBIA ANALYTICAL SERVICES

Reported: 11/09/04

Day Environmental
Project Reference: ANDERSON CLEANERS WRIGHT 3292S-03
Client Sample ID : TRENCH-2 (2.0')

Date Sampled : 10/06/04 Order #: 765138 Sample Matrix: SOIL/SEDIMENT
Date Received: 10/08/04 Submission #: R2423399

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.0	58.9	%	10/13/04	13:20	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 11/09/04

Day Environmental
Project Reference: ANDERSON CLEANERS WRIGHT 3292S-03
Client Sample ID : TRENCH-3 (2.5')

Date Sampled : 10/06/04 Order #: 765139 Sample Matrix: SOIL/SEDIMENT
Date Received: 10/08/04 Submission #: R2423399

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.0	84.6	%	10/13/04	13:20	1.0

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PHC Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-2408
		Lab Sample Number:	8056
Client Job Number:	3292S-03		
Field Location:	TB-17 (8-10')	**Date Sampled:**	09/03/2003
Field ID Number:	N/A	**Date Received:**	09/05/2003
Sample Type:	Soil	**Date Analyzed:**	09/09/2003

PHC Classification	Results in ug / Kg
Petroleum Hydrocarbon	ND< 8,140

ELAP Number 10958 Method: NYSDOH 310.13

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram
PHC = Petroleum Hydrocarbon

Signature:

Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-2408
		Lab Sample Number:	8056
Client Job Number:	3292S-03		
Field Location:	TB-17 (8-10')	**Date Sampled:**	09/03/2003
Field ID Number:	N/A	**Date Received:**	09/05/2003
Sample Type:	Soil	**Date Analyzed:**	09/10/2003

Halocarbons	Results in ug / Kg
Tetrachloroethene	42.9

ELAP Number 10958 Method: EPA 8260B Data File: 16024.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-2408
		Lab Sample Number:	8057
Client Job Number:	3292S-03		
Field Location:	TB-19 (8-10')	**Date Sampled:**	09/03/2003
Field ID Number:	N/A	**Date Received:**	09/05/2003
Sample Type:	Soil	**Date Analyzed:**	09/10/2003

Halocarbons	Results in ug / Kg
Tetrachloroethene	52.9

ELAP Number 10958 Method: EPA 8260B Data File: 16025.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-2408
		Lab Sample Number:	8054
Client Job Number:	3292S-03		
Field Location:	TB-13 (6-7.7')	**Date Sampled:**	09/03/2003
Field ID Number:	N/A	**Date Received:**	09/05/2003
Sample Type:	Soil	**Date Analyzed:**	09/12/2003

Halocarbons	Results in ug / Kg
Tetrachloroethene	22.0

ELAP Number 10958 Method: EPA 8260B Data File: 16068.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-2408
		Lab Sample Number:	8059
Client Job Number:	3292S-03		
Field Location:	Sediment Sample	**Date Sampled:**	09/03/2003
Field ID Number:	N/A	**Date Received:**	09/05/2003
Sample Type:	Soil	**Date Analyzed:**	09/12/2003

Halocarbons	Results in ug / Kg
Tetrachloroethene	ND< 14.1

ELAP Number 10958 Method: EPA 8260B Data File: 16069.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-2408
		Lab Sample Number:	8053
Client Job Number:	3292S-03		
Field Location:	TB-10 (8-10')	**Date Sampled:**	09/03/2003
Field ID Number:	N/A	**Date Received:**	09/05/2003
Sample Type:	Soil	**Date Analyzed:**	09/12/2003

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 129,000	trans-1,2-Dichloroethene	ND< 129,000
Bromomethane	ND< 129,000	1,2-Dichloropropane	ND< 129,000
Bromoform	ND< 129,000	cis-1,3-Dichloropropene	ND< 129,000
Carbon Tetrachloride	ND< 129,000	trans-1,3-Dichloropropene	ND< 129,000
Chloroethane	ND< 129,000	Methylene chloride	ND< 322,000
Chloromethane	ND< 129,000	1,1,2,2-Tetrachloroethane	ND< 129,000
2-Chloroethyl vinyl Ether	ND< 129,000	Tetrachloroethene	1,660,000
Chloroform	ND< 129,000	1,1,1-Trichloroethane	ND< 129,000
Dibromochloromethane	ND< 129,000	1,1,2-Trichloroethane	ND< 129,000
1,1-Dichloroethane	ND< 129,000	Trichloroethene	ND< 129,000
1,2-Dichloroethane	ND< 129,000	Trichlorofluoromethane	ND< 129,000
1,1-Dichloroethene	ND< 129,000	Vinyl chloride	ND< 129,000

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
Benzene	ND< 129,000	m,p-Xylene	ND< 129,000
Ethylbenzene	ND< 129,000	o-Xylene	ND< 129,000
Toluene	ND< 129,000		

ELAP Number 10958 Method: EPA 8021B (GC / MS) Data File: 16067.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
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PHC Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-2408
		Lab Sample Number:	8054
Client Job Number:	3292S-03		
Field Location:	TB-13 (6-7.7')	**Date Sampled:**	09/03/2003
Field ID Number:	N/A	**Date Received:**	09/05/2003
Sample Type:	Soil	**Date Analyzed:**	09/09/2003

PHC Classification	Results in ug / Kg
Petroleum Hydrocarbon	ND< 8,530

ELAP Number 10958 Method: NYSDOH 310.13

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram
PHC = Petroleum Hydrocarbon

Signature:

Bruce Hoogesteger, Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-2408
		Lab Sample Number:	8055
Client Job Number:	3292S-03		
Field Location:	TB-15 (8-10')	**Date Sampled:**	09/03/2003
Field ID Number:	N/A	**Date Received:**	09/05/2003
Sample Type:	Soil	**Date Analyzed:**	09/10/2003

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.14	trans-1,2-Dichloroethene	ND< 9.14
Bromomethane	ND< 9.14	1,2-Dichloropropane	ND< 9.14
Bromoform	ND< 9.14	cis-1,3-Dichloropropene	ND< 9.14
Carbon Tetrachloride	ND< 9.14	trans-1,3-Dichloropropene	ND< 9.14
Chloroethane	ND< 9.14	Methylene chloride	ND< 22.9
Chloromethane	ND< 9.14	1,1,2,2-Tetrachloroethane	ND< 9.14
2-Chloroethyl vinyl Ether	ND< 9.14	Tetrachloroethene	317
Chloroform	ND< 9.14	1,1,1-Trichloroethane	ND< 9.14
Dibromochloromethane	ND< 9.14	1,1,2-Trichloroethane	ND< 9.14
1,1-Dichloroethane	ND< 9.14	Trichloroethene	49.5
1,2-Dichloroethane	ND< 9.14	Trichlorofluoromethane	ND< 9.14
1,1-Dichloroethene	ND< 9.14	Vinyl chloride	ND< 9.14

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
Benzene	ND< 9.14	m,p-Xylene	ND< 9.14
Ethylbenzene	ND< 9.14	o-Xylene	ND< 9.14
Toluene	ND< 9.14		

ELAP Number 10958 Method: EPA 8021B (GC / MS) Data File: 16023.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-2408
		Lab Sample Number:	8058
Client Job Number:	3292S-03		
Field Location:	TB-21 (6-7.7')	**Date Sampled:**	09/03/2003
Field ID Number:	N/A	**Date Received:**	09/05/2003
Sample Type:	Soil	**Date Analyzed:**	09/10/2003

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.01	trans-1,2-Dichloroethene	ND< 8.01
Bromomethane	ND< 8.01	1,2-Dichloropropane	ND< 8.01
Bromoform	ND< 8.01	cis-1,3-Dichloropropene	ND< 8.01
Carbon Tetrachloride	ND< 8.01	trans-1,3-Dichloropropene	ND< 8.01
Chloroethane	ND< 8.01	Methylene chloride	ND< 20.0
Chloromethane	ND< 8.01	1,1,2,2-Tetrachloroethane	ND< 8.01
2-Chloroethyl vinyl Ether	ND< 8.01	Tetrachloroethene	27.7
Chloroform	ND< 8.01	1,1,1-Trichloroethane	ND< 8.01
Dibromochloromethane	ND< 8.01	1,1,2-Trichloroethane	ND< 8.01
1,1-Dichloroethane	ND< 8.01	Trichloroethene	ND< 8.01
1,2-Dichloroethane	ND< 8.01	Trichlorofluoromethane	ND< 8.01
1,1-Dichloroethene	ND< 8.01	Vinyl chloride	ND< 8.01

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
Benzene	ND< 8.01	m,p-Xylene	ND< 8.01
Ethylbenzene	ND< 8.01	o-Xylene	ND< 8.01
Toluene	ND< 8.01		

ELAP Number 10958 Method: EPA 8021B (GC / MS) Data File: 16026.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

CHAIN OF CUSTODY

VIRONMENTAL
RVICES, INC.
ake Avenue
ster, NY 14608
647-2530 * (800) 724-1997
585) 647-3311

T NAME/SITE NAME:

REPORT TO	INVOICE TO
COMPANY: DAY ENVIRONMENTAL INC	COMPANY: SAME
ADDRESS: 40 [illegible]	ADDRESS:
CITY: [illegible] STATE: NY ZIP: [illegible]	CITY: STATE: ZIP:
PHONE: [illegible] FAX: [illegible] 1554 0225	PHONE: FAX:
ATTN: Dave Neil	ATTN:
COMMENTS:	

LAB PROJECT #: 03-0408 CLIENT PROJECT #: 32925

TURNAROUND TIME: (WORKING DAYS)

1 [ ] 2 [ ] 3 [ ] STD [X] 5 OTHER [ ]

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	8021B Halogens	8021B PCE ONLY	TPH 310.13	REMARKS	PARADIGM LAB SAMPLE NUMBER
9/03	—			[illegible] 6 1		1	X				8053
"	—			[illegible] 7				X	X		8054
"	—			"		1	X			Also need	55
"	—			7 (E 1)		1		X	X	PID Head pace	56
"	—			1B 1		1		X		Run on samples	57
"	—			[illegible] 10 7		1	X				58
"	—			[illegible]				X			59

B USE ONLY**

LE CONDITION: Check box ptable or note deviation:

CONTAINER TYPE: ✓ PRESERVATIONS: ✓ HOLDING TIME: ✓ TEMPERATURE: ✓ 5°C

ed By:	Date/Time: 9/3/03	Relinquished By:	Date/Time:
uished By:	Date/Time: 9/5/03	Received By:	Date/Time:
ved By: [illegible] 9/5/03 0900	Date/Time:	Received @ Lab By: Pamela Blake	Date/Time: 9/5/03 @ 9:50

Total Cost:

P.I.F.

ANALYTICAL LABORATORY RESULTS

DATE SAMPLED: SEPTEMBER 17, 2003

MW-1

MW-2

MW-3

MW-5

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PHC Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-2542
		Lab Sample Number:	8425
Client Job Number:	3292S-03		
Field Location:	MW-2	**Date Sampled:**	09/17/2003
Field ID Number:	N/A	**Date Received:**	09/18/2003
Sample Type:	Water	**Date Analyzed:**	09/24/2003

PHC Classification	Results in ug / L
Petroleum Hydrocarbon	ND< 250

ELAP Number 10958 Method: NYSDOH 310.13

Comments: ND denotes Non Detect
ug / L = microgram per Liter
PHC = Petroleum Hydrocarbon

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PHC Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-2542
		Lab Sample Number:	8427
Client Job Number:	3292S-03		
Field Location:	MW-5	**Date Sampled:**	09/17/2003
Field ID Number:	N/A	**Date Received:**	09/18/2003
Sample Type:	Water	**Date Analyzed:**	09/24/2003

PHC Classification	Results in ug / L
Petroleum Hydrocarbon	ND< 250

ELAP Number 10958 Method: NYSDOH 310.13

Comments: ND denotes Non Detect
ug / L = microgram per Liter
PHC = Petroleum Hydrocarbon

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-2542
		Lab Sample Number:	8424
Client Job Number:	3292S-03		
Field Location:	MW-1	**Date Sampled:**	09/17/2003
Field ID Number:	N/A	**Date Received:**	09/18/2003
Sample Type:	Water	**Date Analyzed:**	09/23/2003

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 10,000	trans-1,2-Dichloroethene	ND< 10,000
Bromomethane	ND< 10,000	1,2-Dichloropropane	ND< 10,000
Bromoform	ND< 10,000	cis-1,3-Dichloropropene	ND< 10,000
Carbon Tetrachloride	ND< 10,000	trans-1,3-Dichloropropene	ND< 10,000
Chloroethane	ND< 10,000	Methylene chloride	ND< 25,000
Chloromethane	ND< 10,000	1,1,2,2-Tetrachloroethane	ND< 10,000
2-Chloroethyl vinyl Ether	ND< 10,000	Tetrachloroethene	81,800
Chloroform	ND< 10,000	1,1,1-Trichloroethane	ND< 10,000
Dibromochloromethane	ND< 10,000	1,1,2-Trichloroethane	ND< 10,000
1,1-Dichloroethane	ND< 10,000	Trichloroethene	ND< 10,000
1,2-Dichloroethane	ND< 10,000	Trichlorofluoromethane	ND< 10,000
1,1-Dichloroethene	ND< 10,000	Vinyl chloride	ND< 10,000

Aromatics	Results in ug / L	Aromatics	Results in ug / L
Benzene	ND< 3,500	m,p-Xylene	ND< 10,000
Ethylbenzene	ND< 10,000	o-Xylene	ND< 10,000
Toluene	ND< 10,000		

ELAP Number 10958 Method: EPA 8021B (GC / MS) Data File: 16250.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:

Bruce Hoogestegen, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-2542
		Lab Sample Number:	8425
Client Job Number:	3292S-03		
Field Location:	MW-2	**Date Sampled:**	09/17/2003
Field ID Number:	N/A	**Date Received:**	09/18/2003
Sample Type:	Water	**Date Analyzed:**	09/23/2003

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2,000	trans-1,2-Dichloroethene	ND< 2,000
Bromomethane	ND< 2,000	1,2-Dichloropropane	ND< 2,000
Bromoform	ND< 2,000	cis-1,3-Dichloropropene	ND< 2,000
Carbon Tetrachloride	ND< 2,000	trans-1,3-Dichloropropene	ND< 2,000
Chloroethane	ND< 2,000	Methylene chloride	ND< 5,000
Chloromethane	ND< 2,000	1,1,2,2-Tetrachloroethane	ND< 2,000
2-Chloroethyl vinyl Ether	ND< 2,000	Tetrachloroethene	19,300
Chloroform	ND< 2,000	1,1,1-Trichloroethane	ND< 2,000
Dibromochloromethane	ND< 2,000	1,1,2-Trichloroethane	ND< 2,000
1,1-Dichloroethane	ND< 2,000	Trichloroethene	ND< 2,000
1,2-Dichloroethane	ND< 2,000	Trichlorofluoromethane	ND< 2,000
1,1-Dichloroethene	ND< 2,000	Vinyl chloride	ND< 2,000

Aromatics	Results in ug / L	Aromatics	Results in ug / L
Benzene	ND< 700	m,p-Xylene	ND< 2,000
Ethylbenzene	ND< 2,000	o-Xylene	ND< 2,000
Toluene	ND< 2,000		

ELAP Number 10958 Method: EPA 8021B (GC / MS) Data File: 16249.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:

Bruce Hoogesteger, Technical Director

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

Volatile Analysis Report for Non-potable Water

Client: Day Environmental inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-2542
		Lab Sample Number:	8426
Client Job Number:	3292S-03		
Field Location:	MW-3	**Date Sampled:**	09/17/2003
Field ID Number:	N/A	**Date Received:**	09/18/2003
Sample Type:	Water	**Date Analyzed:**	09/23/2003

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00	trans-1,2-Dichloroethene	ND< 2.00
Bromomethane	ND< 2.00	1,2-Dichloropropane	ND< 2.00
Bromoform	ND< 2.00	cis-1,3-Dichloropropene	ND< 2.00
Carbon Tetrachloride	ND< 2.00	trans-1,3-Dichloropropene	ND< 2.00
Chloroethane	ND< 2.00	Methylene chloride	ND< 5.00
Chloromethane	ND< 2.00	1,1,2,2-Tetrachloroethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00	Tetrachloroethene	ND< 2.00
Chloroform	ND< 2.00	1,1,1-Trichloroethane	ND< 2.00
Dibromochloromethane	ND< 2.00	1,1,2-Trichloroethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00	Trichloroethene	ND< 2.00
1,2-Dichloroethane	ND< 2.00	Trichlorofluoromethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00	Vinyl chloride	ND< 2.00

Aromatics	Results in ug / L	Aromatics	Results in ug / L
Benzene	ND< 0.700	m,p-Xylene	ND< 2.00
Ethylbenzene	ND< 2.00	o-Xylene	ND< 2.00
Toluene	ND< 2.00		

ELAP Number 10958 Method: EPA 8021B (GC / MS) Data File: 16247.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

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

Volatile Analysis Report for Non-potable Water

Client: Day Environmental inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-2542
		Lab Sample Number:	8427
Client Job Number:	3292S-03		
Field Location:	MW-5	**Date Sampled:**	09/17/2003
Field ID Number:	N/A	**Date Received:**	09/18/2003
Sample Type:	Water	**Date Analyzed:**	09/23/2003

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00	trans-1,2-Dichloroethene	ND< 2.00
Bromomethane	ND< 2.00	1,2-Dichloropropane	ND< 2.00
Bromoform	ND< 2.00	cis-1,3-Dichloropropene	ND< 2.00
Carbon Tetrachloride	ND< 2.00	trans-1,3-Dichloropropene	ND< 2.00
Chloroethane	ND< 2.00	Methylene chloride	ND< 5.00
Chloromethane	ND< 2.00	1,1,2,2-Tetrachloroethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00	Tetrachloroethene	70.0
Chloroform	ND< 2.00	1,1,1-Trichloroethane	ND< 2.00
Dibromochloromethane	ND< 2.00	1,1,2-Trichloroethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00	Trichloroethene	ND< 2.00
1,2-Dichloroethane	ND< 2.00	Trichlorofluoromethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00	Vinyl chloride	ND< 2.00

Aromatics	Results in ug / L	Aromatics	Results in ug / L
Benzene	ND< 0.700	m,p-Xylene	ND< 2.00
Ethylbenzene	ND< 2.00	o-Xylene	ND< 2.00
Toluene	ND< 2.00		

ELAP Number 10958 Method: EPA 8021B (GC / MS) Data File: 16248.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY:	COMPANY:	LAB PROJECT #: / CLIENT PROJECT #:
ADDRESS:	ADDRESS:	
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: FAX:	PHONE: FAX:	STD / OTHER
PROJECT NAME/SITE NAME:	ATTN:	☐ 1 ☐ 2 ☐ 3 ☒ 5 ☐
	COMMENTS:	

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS											REMARKS	PARADIGM LAB SAMPLE NUMBER
1							X											
2							X	X										
3							X											
4																		
5								X										
6																		
7																		
8																		
9																		
10																		

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: ☐ PRESERVATIONS: ☐ HOLDING TIME: ☐ TEMPERATURE: ☐

Sampled By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

Received @ Lab By: Date/Time:

Total Cost:

P.I.F.

COURTYARD TRENCH DATA

SAMPLE DATE: OCTOBER 6, 2004

TRENCH-1 (2.0')
TRENCH-2 (2.0')
TRENCH-3 (2.5')
RINSATE-1

CASE NARRATIVE

COMPANY: Day Environmental
Anderson Cleaners Wright 3292S-03
SUBMISSION #: R2423399

Day samples were collected on 10/06/04 and received at CAS on 10/08/04 in good condition.

INORGANICS

One soil sample and one water sample were analyzed for TAL inorganics plus pH by ASP methodology.

Site specific QC was performed on the Trench-1 (2.0'). All MS recoveries were within limits except Antimony, Copper and Zinc and have been flagged with an "N". All Blank spike recoveries were within limits. All RPD's were within limits.

Thallium for Trench-1 (2.0) has been flagged with a "W" due to the post digestion spike being outside control limits and the sample absorbance was less than 50% of the spike absorbance.

Mercury for Rinsate-1 was originally analyzed within the 26 day holding time from VTSR, however, due to QC considerations, the sample needed to be reanalyzed. Due to a laboratory error, the sample was not reanalyzed within holding time.

No other analytical or QC problems were encountered.

VOLATILE ORGANICS

Three soil samples, one water sample and one cooler blank were analyzed for the TCL list of Volatiles by Method OLM 4.2.

All the initial and continuing calibration criteria were met for all analytes.

All internal standard areas were within QC limits.

All surrogate standard recoveries were within QC limits.

Site specific QC was performed on Trench-1 (2.0). All MS/MSD and Reference spike recoveries were within limits. All RPD's were within limits.

Various compounds for Trench-2 (2.0) and Trench-3 (2.5) have been flagged with an "E" as being outside the calibration range of the instrument. The samples were repeated at dilutions and both sets of data have been reported out.

The Laboratory blanks associated with these samples were free of contamination.

All samples were analyzed within required holding times.

No other analytical or QC problems were encountered.

SEMIVOLATILE ORGANICS

One soil sample and one water sample were analyzed for TCL list of Semivolatiles by method OLM 4.2.

All the initial and continuing calibration criteria were met for all analytes.

All internal standard areas were within QC limits.

All surrogate standard recoveries were within limits except S4 for Trench-1 (2.0), Trench-1 (2.0)MS and Trench-1 (2.0)MSD and S5 for Trench-1 (2.0)MSD and have been flagged with an "*".

Site specific QC was performed on Trench-1 (2.0). Various MS/MSD and Blank spike recoveries were outside limits. No data was affected. All RPD's were within limits.

The Laboratory Blanks associated with these analyses were free of contamination except SBLK1 and SBLK2 contained a low level hit for Di-n-butylphthalate. All affected data has been flagged with a "B".

All samples were extracted and analyzed within holding times.

No other analytical or QC problems were encountered.

PESTICIDES/PCB's

One soil sample and one water sample were analyzed for the TCL list of Pesticides and PCB's by method OLM 4.2.

All the initial and continuing calibration criteria were met for all analytes.

Site specific QC was performed on Trench-1 (2.0). All MS/MSD and Blank spike recoveries were within limits. All RPD's were within limits.

The Laboratory Blanks associated with these analyses were free of contamination.

All samples were extracted and analyzed within required holding times.

No other analytical or QC problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the details conditioned above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG #: TRENCH-1 (2.0')
SUBMISSION R2423399
CLIENT: Day Environmental
CLIENT REP: Janice Jaeger
PROJECT: ANDERSON CLEANERS WRIGH

BATCH COMPLETE: __yes_____
DISKETTE REQUESTED: Y__X_ N____
DATE: 10/08/04
CUSTODY SEAL: PRESENT/ABSENT:
CHAIN OF CUSTODY: PRESENT/ABSENT:

DATE REVISED:
DATE DUE: 11/05/04
PROTOCOL: SW846
SHIPPING No.:
SUMMARY PKG: Y___X__ N

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS SAMPLE CONDITION
765137QC	TRENCH-1 (2.0')	SOIL	OLM/ILM VOA,SVOA,PEST,PCB*	10/6/04	10/8/04			
765138	TRENCH-2 (2.0')	SOIL	OLM VOA	10/6/04	10/8/04			
765139	TRENCH-3 (2.5')	SOIL	OLM VOA	10/6/04	10/8/04			
765140	RINSATE-1	WATER	OLM/ILM VOA,SVOA,PEST,PCB*	10/6/04	10/8/04			
765141	COOLER BLANK	WATER	OLM VOA	10/6/04	10/8/04			
			*TAL MET,CN					

Columbia Analytical Services INC.
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2003 Seal of Excellence Program

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

Army Corp of Engineers Validated
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
NELAP Accredited
New York ID # 10145
New Jersey ID # NY004
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292

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Ethics Service Quality ACIL 2013 SEAL of EXCELLENCE PROGRAM Environmental

INORGANIC QUALIFIERS

C (Concentration) qualifier –

- B - if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).
- U - if the analyte was analyzed for, but not detected

Q qualifier - Specified entries and their meanings are as follows:

- D - Spike was diluted out
- E - The reported value is estimated because of the presence of interference.
- J - Estimated Value
- M - Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA Analysis is out of control limits (85-115), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

M (Method) qualifier:

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "PM" for ICP when Microwave Digestion is used
- "AM" for Flame AA when Microwave Digestion is used
- "FM" for Furnace M when Microwave Digestion is used
- "CV" for Manual Cold Vapor AA
- "AV" for Automated Cold Vapor AA
- "CA" for Midi-Distillation Spectrophotometric
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- " " where no data has been entered
- "NR" if the analyte is not required to be analyzed.

CAS/Rochester Lab ID # for State Certifications

Army Corp of Engineers Validated
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
NELAP Accredited
New York ID # 10145
New Jersey ID # NY004
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

trench-1(2.0')

Lab Name: CAS-ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: SDG No.: TRENCH-

Matrix: (soil/water) SOIL Lab Sample ID: 765137 5000.0

Sample wt/vol: 4.0 (g/ml) G Lab File ID: B8242.D

Level: (low/med) MED Date Received: 10/8/04

% Moisture: not dec. 18 Date Analyzed: 10/15/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume 10000 (uL) Soil Aliquot Volume: 2.5 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	61000	U
74-87-3	Chloromethane	61000	U
75-01-4	Vinyl chloride	61000	U
74-83-9	Bromomethane	61000	U
75-00-3	Chloroethane	61000	U
75-69-4	Trichlorofluoromethane	61000	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	61000	U
67-64-1	Acetone	61000	U
75-35-4	1,1-Dichloroethene	61000	U
79-20-9	Methyl Acetate	61000	U
75-09-2	Methylene chloride	61000	U
75-15-0	Carbon disulfide	61000	U
1634-04-4	Methyl tert-Butyl Ether	61000	U
156-60-5	trans-1,2-Dichloroethene	61000	U
75-34-3	1,1-Dichloroethane	61000	U
78-93-3	2-Butanone	61000	U
156-59-2	cis-1,2-Dichloroethene	11000	J
67-66-3	Chloroform	61000	U
110-82-7	Cyclohexane	61000	U
107-06-2	1,2-Dichloroethane	61000	U
71-55-6	1,1,1-Trichloroethane	61000	U
56-23-5	Carbon tetrachloride	61000	U
71-43-2	Benzene	61000	U
79-01-6	Trichloroethene	25000	J
108-87-2	Methylcyclohexane	61000	U
78-87-5	1,2-Dichloropropane	61000	U
75-27-4	Bromodichloromethane	61000	U
10061-01-5	cis-1,3-Dichloropropene	61000	U
10061-02-6	trans-1,3-Dichloropropene	61000	U
79-00-5	1,1,2-Trichloroethane	61000	U
124-48-1	Dibromochloromethane	61000	U
75-25-2	Bromoform	61000	U
108-10-1	4-Methyl-2-pentanone	61000	U
108-88-3	Toluene	61000	U
591-78-6	2-Hexanone	61000	U
127-18-4	Tetrachloroethene	860000	
106-93-4	1,2-Dibromoethane	61000	U
108-90-7	Chlorobenzene	61000	U
100-41-4	Ethylbenzene	61000	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

trench-1(2.0')

Lab Name: CAS-ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: _____ SDG No.: TRENCH-

Matrix: (soil/water) SOIL Lab Sample ID: 765137 5000.0

Sample wt/vol: 4.0 (g/ml) G Lab File ID: B8242.D

Level: (low/med) MED Date Received: 10/8/04

% Moisture: not dec. 18 Date Analyzed: 10/15/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume 10000 (uL) Soil Aliquot Volume: 2.5 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-38-3/106-42-3	(m+p)Xylene	61000	U
95-47-6	o-Xylene	61000	U
100-42-5	Styrene	61000	U
98-82-8	Isopropylbenzene	61000	U
79-34-5	1,1,2,2-Tetrachloroethane	61000	U
541-73-1	1,3-Dichlorobenzene	61000	U
106-46-7	1,4-Dichlorobenzene	61000	U
95-50-1	1,2-Dichlorobenzene	61000	U
96-12-8	1,2-Dibromo-3-chloropropane	61000	U
120-82-1	1,2,4-Trichlorobenzene	61000	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

trench-1(2.0')

Lab Name: CAS-ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: _____ SDG No.: TRENCH-

Matrix: (soil/water) SOIL Lab Sample ID: 765137 5000.0

Sample wt/vol: 4.0 (g/ml) G Lab File ID: B8242.D

Level: (low/med) MED Date Received: 10/8/04

% Moisture: not dec. 18 Date Analyzed: 10/15/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume 10000 (uL) Soil Aliquot Volume: 2.5 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

trench-2(2.0')

Lab Name: CAS/ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: SDG No.: TRENCH-

Matrix: (soil/water) SOIL Lab Sample ID: 765138 2.0

Sample wt/vol: 2.5 (g/ml) G Lab File ID: B8182.D

Level: (low/med) LOW Date Received: 10/8/04

% Moisture: not dec. 41.1 Date Analyzed: 10/12/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	34	U
74-87-3	Chloromethane	34	U
75-01-4	Vinyl chloride	860	E
74-83-9	Bromomethane	34	U
75-00-3	Chloroethane	34	U
75-69-4	Trichlorofluoromethane	34	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	34	U
67-64-1	Acetone	82	
75-35-4	1,1-Dichloroethene	15	J
79-20-9	Methyl Acetate	34	U
75-09-2	Methylene chloride	34	U
75-15-0	Carbon disulfide	34	U
1634-04-4	Methyl tert-Butyl Ether	34	U
156-60-5	trans-1,2-Dichloroethene	74	
75-34-3	1,1-Dichloroethane	7	J
78-93-3	2-Butanone	34	U
156-59-2	cis-1,2-Dichloroethene	6400	E
67-66-3	Chloroform	34	U
110-82-7	Cyclohexane	34	U
107-06-2	1,2-Dichloroethane	34	U
71-55-6	1,1,1-Trichloroethane	34	U
56-23-5	Carbon tetrachloride	34	U
71-43-2	Benzene	34	U
79-01-6	Trichloroethene	970	E
108-87-2	Methylcyclohexane	34	U
78-87-5	1,2-Dichloropropane	34	U
75-27-4	Bromodichloromethane	34	U
10061-01-5	cis-1,3-Dichloropropene	34	U
10061-02-6	trans-1,3-Dichloropropene	34	U
79-00-5	1,1,2-Trichloroethane	34	U
124-48-1	Dibromochloromethane	34	U
75-25-2	Bromoform	34	U
108-10-1	4-Methyl-2-pentanone	34	U
108-88-3	Toluene	9	J
591-78-6	2-Hexanone	34	U
127-18-4	Tetrachloroethene	1400	E
106-93-4	1,2-Dibromoethane	34	U
108-90-7	Chlorobenzene	34	U
100-41-4	Ethylbenzene	34	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

trench-2(2.0')

Lab Name: CAS/ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: _____ SDG No.: TRENCH-

Matrix: (soil/water) SOIL Lab Sample ID: 765138 2.0

Sample wt/vol: 2.5 (g/ml) G Lab File ID: B8182.D

Level: (low/med) LOW Date Received: 10/8/04

% Moisture: not dec. 41.1 Date Analyzed: 10/12/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-38-3/106-42-3	(m+p)Xylene	34	U
95-47-6	o-Xylene	34	U
100-42-5	Styrene	34	U
98-82-8	Isopropylbenzene	34	U
79-34-5	1,1,2,2-Tetrachloroethane	34	U
541-73-1	1,3-Dichlorobenzene	34	U
106-46-7	1,4-Dichlorobenzene	34	U
95-50-1	1,2-Dichlorobenzene	34	U
96-12-8	1,2-Dibromo-3-chloropropane	34	U
120-82-1	1,2,4-Trichlorobenzene	34	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

trench-2(2.0')

Lab Name: CAS/ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: _____ SDG No.: TRENCH-

Matrix: (soil/water) SOIL Lab Sample ID: 765138 2.0

Sample wt/vol: 2.5 (g/ml) G Lab File ID: B8182.D

Level: (low/med) LOW Date Received: 10/8/04

% Moisture: not dec. 41.1 Date Analyzed: 10/12/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

trench-2(2.0')DL

Lab Name: CAS-ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: SDG No.: TRENCH-

Matrix: (soil/water) SOIL Lab Sample ID: 765138 125.0

Sample wt/vol: 4.0 (g/ml) G Lab File ID: B8243.D

Level: (low/med) MED Date Received: 10/8/04

% Moisture: not dec. 41.1 Date Analyzed: 10/15/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	2100	U
74-87-3	Chloromethane	2100	U
75-01-4	Vinyl chloride	990	J
74-83-9	Bromomethane	2100	U
75-00-3	Chloroethane	2100	U
75-69-4	Trichlorofluoromethane	2100	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	2100	U
67-64-1	Acetone	2100	U
75-35-4	1,1-Dichloroethene	2100	U
79-20-9	Methyl Acetate	2100	U
75-09-2	Methylene chloride	2100	U
75-15-0	Carbon disulfide	2100	U
1634-04-4	Methyl tert-Butyl Ether	2100	U
156-60-5	trans-1,2-Dichloroethene	2100	U
75-34-3	1,1-Dichloroethane	2100	U
78-93-3	2-Butanone	2100	U
156-59-2	cis-1,2-Dichloroethene	16000	
67-66-3	Chloroform	2100	U
110-82-7	Cyclohexane	2100	U
107-06-2	1,2-Dichloroethane	2100	U
71-55-6	1,1,1-Trichloroethane	2100	U
56-23-5	Carbon tetrachloride	2100	U
71-43-2	Benzene	2100	U
79-01-6	Trichloroethene	2300	
108-87-2	Methylcyclohexane	2100	U
78-87-5	1,2-Dichloropropane	2100	U
75-27-4	Bromodichloromethane	2100	U
10061-01-5	cis-1,3-Dichloropropene	2100	U
10061-02-6	trans-1,3-Dichloropropene	2100	U
79-00-5	1,1,2-Trichloroethane	2100	U
124-48-1	Dibromochloromethane	2100	U
75-25-2	Bromoform	2100	U
108-10-1	4-Methyl-2-pentanone	2100	U
108-88-3	Toluene	2100	U
591-78-6	2-Hexanone	2100	U
127-18-4	Tetrachloroethene	3500	
106-93-4	1,2-Dibromoethane	2100	U
108-90-7	Chlorobenzene	2100	U
100-41-4	Ethylbenzene	2100	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

trench-2(2.0')DL

Lab Name: CAS-ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: SDG No.: TRENCH-

Matrix: (soil/water) SOIL Lab Sample ID: 765138 125.0

Sample wt/vol: 4.0 (g/ml) G Lab File ID: B8243.D

Level: (low/med) MED Date Received: 10/8/04

% Moisture: not dec. 41.1 Date Analyzed: 10/15/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-38-3/106-42-3	(m+p)Xylene	2100	U
95-47-6	o-Xylene	2100	U
100-42-5	Styrene	2100	U
98-82-8	Isopropylbenzene	2100	U
79-34-5	1,1,2,2-Tetrachloroethane	2100	U
541-73-1	1,3-Dichlorobenzene	2100	U
106-46-7	1,4-Dichlorobenzene	2100	U
95-50-1	1,2-Dichlorobenzene	2100	U
96-12-8	1,2-Dibromo-3-chloropropane	2100	U
120-82-1	1,2,4-Trichlorobenzene	2100	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

trench-2(2.0')DL

Lab Name: CAS-ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: _____ SDG No.: TRENCH-

Matrix: (soil/water) SOIL Lab Sample ID: 765138 125.0

Sample wt/vol: 4.0 (g/ml) G Lab File ID: B8243.D

Level: (low/med) MED Date Received: 10/8/04

% Moisture: not dec. 41.1 Date Analyzed: 10/15/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

trench-3(2.5')

Lab Name: CAS/ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: SDG No.: TRENCH-

Matrix: (soil/water) SOIL Lab Sample ID: 765139 2.0

Sample wt/vol: 2.5 (g/ml) G Lab File ID: B8183.D

Level: (low/med) LOW Date Received: 10/8/04

% Moisture: not dec. 15.4 Date Analyzed: 10/12/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	24	U
74-87-3	Chloromethane	24	U
75-01-4	Vinyl chloride	42	
74-83-9	Bromomethane	24	U
75-00-3	Chloroethane	24	U
75-69-4	Trichlorofluoromethane	24	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	24	U
67-64-1	Acetone	28	
75-35-4	1,1-Dichloroethene	24	U
79-20-9	Methyl Acetate	24	U
75-09-2	Methylene chloride	24	U
75-15-0	Carbon disulfide	24	U
1634-04-4	Methyl tert-Butyl Ether	24	U
156-60-5	trans-1,2-Dichloroethene	4	J
75-34-3	1,1-Dichloroethane	24	U
78-93-3	2-Butanone	24	U
156-59-2	cis-1,2-Dichloroethene	620	E
67-66-3	Chloroform	24	U
110-82-7	Cyclohexane	24	U
107-06-2	1,2-Dichloroethane	24	U
71-55-6	1,1,1-Trichloroethane	24	U
56-23-5	Carbon tetrachloride	24	U
71-43-2	Benzene	24	U
79-01-6	Trichloroethene	950	E
108-87-2	Methylcyclohexane	24	U
78-87-5	1,2-Dichloropropane	24	U
75-27-4	Bromodichloromethane	24	U
10061-01-5	cis-1,3-Dichloropropene	24	U
10061-02-6	trans-1,3-Dichloropropene	24	U
79-00-5	1,1,2-Trichloroethane	24	U
124-48-1	Dibromochloromethane	24	U
75-25-2	Bromoform	24	U
108-10-1	4-Methyl-2-pentanone	24	U
108-88-3	Toluene	24	U
591-78-6	2-Hexanone	24	U
127-18-4	Tetrachloroethene	1900	E
106-93-4	1,2-Dibromoethane	24	U
108-90-7	Chlorobenzene	24	U
100-41-4	Ethylbenzene	24	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

trench-3(2.5')

Lab Name: CAS/ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: SDG No.: TRENCH-

Matrix: (soil/water) SOIL Lab Sample ID: 765139 2.0

Sample wt/vol: 2.5 (g/ml) G Lab File ID: B8183.D

Level: (low/med) LOW Date Received: 10/8/04

% Moisture: not dec. 15.4 Date Analyzed: 10/12/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-38-3/106-42-3	(m+p)Xylene	24	U
95-47-6	o-Xylene	24	U
100-42-5	Styrene	24	U
98-82-8	Isopropylbenzene	24	U
79-34-5	1,1,2,2-Tetrachloroethane	24	U
541-73-1	1,3-Dichlorobenzene	24	U
106-46-7	1,4-Dichlorobenzene	24	U
95-50-1	1,2-Dichlorobenzene	24	U
96-12-8	1,2-Dibromo-3-chloropropane	24	U
120-82-1	1,2,4-Trichlorobenzene	24	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

trench-3(2.5')

Lab Name: CAS/ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: _____ SDG No.: TRENCH-

Matrix: (soil/water) SOIL Lab Sample ID: 765139 2.0

Sample wt/vol: 2.5 (g/ml) G Lab File ID: B8183.D

Level: (low/med) LOW Date Received: 10/8/04

% Moisture: not dec. 15.4 Date Analyzed: 10/12/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 001120-21-4	Undecane	22.33	39	JN

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

trench-3(2.5')DL

Lab Name: CAS-ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: SDG No.: TRENCH-

Matrix: (soil/water) SOIL Lab Sample ID: 765139 125.0

Sample wt/vol: 4.0 (g/ml) G Lab File ID: B8244.D

Level: (low/med) MED Date Received: 10/8/04

% Moisture: not dec. 15.4 Date Analyzed: 10/15/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1500	U
74-87-3	Chloromethane	1500	U
75-01-4	Vinyl chloride	1500	U
74-83-9	Bromomethane	1500	U
75-00-3	Chloroethane	1500	U
75-69-4	Trichlorofluoromethane	1500	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	1500	U
67-64-1	Acetone	1500	U
75-35-4	1,1-Dichloroethene	1500	U
79-20-9	Methyl Acetate	1500	U
75-09-2	Methylene chloride	1500	U
75-15-0	Carbon disulfide	1500	U
1634-04-4	Methyl tert-Butyl Ether	1500	U
156-60-5	trans-1,2-Dichloroethene	1500	U
75-34-3	1,1-Dichloroethane	1500	U
78-93-3	2-Butanone	1500	U
156-59-2	cis-1,2-Dichloroethene	160	J
67-66-3	Chloroform	1500	U
110-82-7	Cyclohexane	1500	U
107-06-2	1,2-Dichloroethane	1500	U
71-55-6	1,1,1-Trichloroethane	1500	U
56-23-5	Carbon tetrachloride	1500	U
71-43-2	Benzene	1500	U
79-01-6	Trichloroethene	460	J
108-87-2	Methylcyclohexane	1500	U
78-87-5	1,2-Dichloropropane	1500	U
75-27-4	Bromodichloromethane	1500	U
10061-01-5	cis-1,3-Dichloropropene	1500	U
10061-02-6	trans-1,3-Dichloropropene	1500	U
79-00-5	1,1,2-Trichloroethane	1500	U
124-48-1	Dibromochloromethane	1500	U
75-25-2	Bromoform	1500	U
108-10-1	4-Methyl-2-pentanone	1500	U
108-88-3	Toluene	1500	U
591-78-6	2-Hexanone	1500	U
127-18-4	Tetrachloroethene	7500	
106-93-4	1,2-Dibromoethane	1500	U
108-90-7	Chlorobenzene	1500	U
100-41-4	Ethylbenzene	1500	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

trench-3(2.5')DL

Lab Name: CAS-ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: SDG No.: TRENCH-

Matrix: (soil/water) SOIL Lab Sample ID: 765139 125.0

Sample wt/vol: 4.0 (g/ml) G Lab File ID: B8244.D

Level: (low/med) MED Date Received: 10/8/04

% Moisture: not dec. 15.4 Date Analyzed: 10/15/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-38-3/106-42-3	(m+p)Xylene	1500	U
95-47-6	o-Xylene	1500	U
100-42-5	Styrene	1500	U
98-82-8	Isopropylbenzene	1500	U
79-34-5	1,1,2,2-Tetrachloroethane	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
96-12-8	1,2-Dibromo-3-chloropropane	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

trench-3(2.5')DL

Lab Name: CAS-ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: _____ SDG No.: TRENCH-

Matrix: (soil/water) SOIL Lab Sample ID: 765139 125.0

Sample wt/vol: 4.0 (g/ml) G Lab File ID: B8244.D

Level: (low/med) MED Date Received: 10/8/04

% Moisture: not dec. 15.4 Date Analyzed: 10/15/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

RINSATE-1

Lab Name: CAS-ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: SDG No.: TRENCH-

Matrix: (soil/water) WATER Lab Sample ID: 765140 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8164.D

Level: (low/med) LOW Date Received: 10/8/04

% Moisture: not dec. Date Analyzed: 10/11/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSATE-1

Lab Name: CAS-ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: _____ SDG No.: TRENCH-

Matrix: (soil/water) WATER Lab Sample ID: 765140 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8164.D

Level: (low/med) LOW Date Received: 10/8/04

% Moisture: not dec. _____ Date Analyzed: 10/11/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
108-38-3/106-42-3	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RINSATE-1

Lab Name: CAS-ROC Contract: DAY

Lab Code: 10145 Case No.: R4-23399 SAS No.: _____ SDG No.: TRENCH-

Matrix: (soil/water) WATER Lab Sample ID: 765140 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8164.D

Level: (low/med) LOW Date Received: 10/8/04

% Moisture: not dec. _____ Date Analyzed: 10/11/04

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RINSATE-1

Lab Name: CAS-ROCH Contract: Day

Lab Code: 10145 Case No.: R423399 SAS No.: _____ SDG No.: TRENCH-1(2,0')

Matrix: (soil/water) WATER Lab Sample ID: 765140 1.12

Sample wt/vol: 890 (g/ml) ML Lab File ID: BA570.D

Level: (low/med) LOW Date Received: 10/8/04

% Moisture: _____ decanted:(Y/N) N Date Extracted: 10/11/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/13/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(-2-Chloroethyl)Ether	11	U
95-57-8	2-Chlorophenol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
95-48-7	2-Methylphenol	11	U
621-24-7	N-Nitroso-Di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
106-44-5	4-Methylphenol	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(-2-Chloroethoxy)Methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	28	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	28	U
208-96-8	Acenaphthylene	11	U
131-11-3	Dimethyl Phthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
83-32-9	Acenaphthene	11	U
99-09-2	3-Nitroaniline	28	U
51-28-5	2,4-Dinitrophenol	28	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
100-02-7	4-Nitrophenol	28	U
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
84-66-2	Diethylphthalate	11	U
100-01-6	4-Nitroaniline	28	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSATE-1

Lab Name: CAS-ROCH Contract: Day

Lab Code: 10145 Case No.: R423399 SAS No.: _____ SDG No.: TRENCH-1(2,10')

Matrix: (soil/water) WATER Lab Sample ID: 765140 1.12

Sample wt/vol: 890 (g/ml) ML Lab File ID: BA570.D

Level: (low/med) LOW Date Received: 10/8/04

% Moisture: _____ decanted:(Y/N) N Date Extracted: 10/11/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/13/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	28	U
86-30-6	N-Nitrosodiphenylamine	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	28	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-Butylphthalate	3	JB
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butyl benzyl phthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)Anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	1	J
117-84-0	Di-n-octyl phthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)Fluoranthene	11	U
50-32-8	Benzo(a)Pyrene	11	U
193-39-5	Indeno(1,2,3-cd)Pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)Perylene	11	U
100-52-7	Benzaldehyde	11	U
98-86-2	Acetophenone	11	U
105-60-2	Caprolactam	28	U
92-52-4	1,1'-Biphenyl	11	U
1912-24-9	Atrazine	11	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
RINSATE-1

Lab Name: CAS-ROCH Contract: Day

Lab Code: 10145 Case No.: R423399 SAS No.: _____ SDG No.: TRENCH-1(2.0')

Matrix: (soil/water) WATER Lab Sample ID: 765140 1.12

Sample wt/vol: 890 (g/ml) ML Lab File ID: BA570.D

Level: (low/med) LOW Date Received: 10/8/04

% Moisture: _____ decanted: (Y/N) N Date Extracted: 10/11/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/13/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.12	3	J B
2.	unknown	4.18	3	J
3.	unknown amide	21.30	10	J B

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TRENCH-1(2.0')

Lab Name: CAS-ROCH Contract: Day

Lab Code: 10145 Case No.: R423399 SAS No.: _____ SDG No.: TRENCH-1(2.0')

Matrix: (soil/water) SOIL Lab Sample ID: 765137 1.0

Sample wt/vol: 30 (g/ml) G Lab File ID: BA571.D

Level: (low/med) LOW Date Received: 10/8/04

% Moisture: 18 decanted:(Y/N) N Date Extracted: 10/13/04

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/21/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.79

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(-2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
95-48-7	2-Methylphenol	410	U
621-24-7	N-Nitroso-Di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
106-44-5	4-Methylphenol	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(-2-Chloroethoxy)Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
208-96-8	Acenaphthylene	410	U
131-11-3	Dimethyl Phthalate	410	U
606-20-2	2,6-Dinitrotoluene	410	U
83-32-9	Acenaphthene	410	U
99-09-2	3-Nitroaniline	1000	U
51-28-5	2,4-Dinitrophenol	1000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
100-02-7	4-Nitrophenol	1000	U
86-73-7	Fluorene	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
84-66-2	Diethylphthalate	410	U
100-01-6	4-Nitroaniline	1000	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TRENCH-1(2.0')

Lab Name: CAS-ROCH Contract: Day

Lab Code: 10145 Case No.: R423399 SAS No.: _____ SDG No.: TRENCH-1(2.0')

Matrix: (soil/water) SOIL Lab Sample ID: 765137 1.0

Sample wt/vol: 30 (g/ml) G Lab File ID: BA571.D

Level: (low/med) LOW Date Received: 10/8/04

% Moisture: 18 decanted:(Y/N) N Date Extracted: 10/13/04

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/21/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.79

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
86-74-8	Carbazole	410	U
84-74-2	Di-n-Butylphthalate	55	JB
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butyl benzyl phthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)Anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	Bis(2-Ethylhexyl)Phthalate	63	J
117-84-0	Di-n-octyl phthalate	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)Fluoranthene	410	U
50-32-8	Benzo(a)Pyrene	410	U
193-39-5	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3	Dibenz(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)Perylene	410	U
100-52-7	Benzaldehyde	410	U
98-86-2	Acetophenone	410	U
105-60-2	Caprolactam	1000	U
92-52-4	1,1'-Biphenyl	410	U
1912-24-9	Atrazine	410	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
TRENCH-1(2.0')

Lab Name: CAS-ROCH Contract: Day

Lab Code: 10145 Case No.: R423399 SAS No.: _____ SDG No.: TRENCH-1(2.0')

Matrix: (soil/water) SOIL Lab Sample ID: 765137 1.0

Sample wt/vol: 30 (g/ml) G Lab File ID: BA571.D

Level: (low/med) LOW Date Received: 10/8/04

% Moisture: 18 decanted: (Y/N) N Date Extracted: 10/13/04

Concentrated Extract Volume: 500 (uL) Date Analyzed: 10/21/04

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.79

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	4.10	98	J B
2.	unknown	4.17	91	J B
3.	unknown	10.17	99	J
4. 1000245-64-0	2-Propenoic acid, n-pentadecyl e	12.38	130	JN B
5.	unknown acid	14.86	140	J
6.	unknown	21.29	110	J B
7.	unknown	21.64	260	J
8. 000191-30-0	1,2:3,4-Dibenzopyrene	21.76	1800	JN
9. 000189-64-0	3,4:8,9-Dibenzopyrene	22.30	1200	JN
10.	unknown	22.54	280	J
11.	unknown	22.59	280	J
12.	unknown pah	23.99	310	J
13. 005385-75-1	Dibenz(a,e)aceanthrylene	24.74	150	JN
14. 000189-55-9	3,4:9,10-Dibenzopyrene	25.01	640	JN
15.	unknown	27.49	89	J

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSATE-1

Lab Name: Columbia Analytical Services Contract: DAY

Lab Code: 10145 Case No.: R23399 SAS No.: _____ SDG No.: TRENCH-1 (a.c')

Matrix: (soil/water) WATER Lab Sample ID: 765140

Sample wt/vol: 980 (g/ml) ML Lab File ID: EC012.D

% Moisture: _____ decanted:(Y/N) N Date Received: 10/08/04

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/13/04

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/13/04

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.051	U
58-89-9	gamma-BHC (Lindane)	0.051	U
76-44-8	Heptachlor	0.051	U
309-00-2	Aldrin	0.051	U
319-85-7	beta-BHC	0.051	U
319-86-8	delta-BHC	0.051	U
1024-57-3	Heptachlor Epoxide	0.051	U
959-98-8	Endosulfan I	0.051	U
5103-74-2	gamma-Chlordane	0.051	U
5103-71-9	alpha-Chlordane	0.051	U
72-55-9	4,4'-DDE	0.10	U
60-57-1	Dieldrin	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
50-29-3	4,4'-DDT	0.10	U
7421-36-3	Endrin Aldehyde	0.10	U
1031-07-8	Endosulfan Sulfate	0.10	U
72-43-5	Methoxychlor	0.51	U
53494-70-5	Endrin Ketone	0.10	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U
8001-35-2	Toxaphene	5.1	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRENCH-1(2.0')

Lab Name: Columbia Analytical Services Contract: DAY

Lab Code: 10145 Case No.: R23399 SAS No.: _____ SDG No.: TRENCH-1 (2.0')

Matrix: (soil/water) SOIL Lab Sample ID: 765137

Sample wt/vol: 30 (g/ml) G Lab File ID: EC070.D

% Moisture: 18 decanted:(Y/N) N Date Received: 10/08/04

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/13/04

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 10/19/04

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
5103-71-9	alpha-Chlordane	2.0	U
72-55-9	4,4'-DDE	4.1	U
60-57-1	Dieldrin	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
50-29-3	4,4'-DDT	5.2	
7421-36-3	Endrin Aldehyde	4.1	U
1031-07-8	Endosulfan Sulfate	4.1	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin Ketone	4.1	U
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	41	U
11096-82-5	Aroclor-1260	41	U
8001-35-2	Toxaphene	200	U

Columbia Analytical Services

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TRENCH-1 (2.0')

Contract: R2423399

Lab Code: Case No.: SAS No.: SDG NO.: TRENCH-1 (2-C

Matrix (soil/water): SOIL/SEDIMENT Lab Sample ID: 765137

Level (low/med): LOW Date Received: 10/08/04

% Solids: 82.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11600			P
7440-36-0	Antimony	0.68	U	N	P
7440-38-2	Arsenic	11.3			P
7440-39-3	Barium	141			P
7440-41-7	Beryllium	0.25	B		P
7440-43-9	Cadmium	1.7			P
7440-70-2	Calcium	2820			P
7440-47-3	Chromium	32.6			P
7440-48-4	Cobalt	12.2			P
7440-50-8	Copper	86.6		N	P
7439-89-6	Iron	22300			P
7439-92-1	Lead	48.6			P
7439-95-4	Magnesium	3200			P
7439-96-5	Manganese	588			P
7439-97-6	Mercury	0.07	B		CV
7440-02-0	Nickel	29.6			P
7440-09-7	Potassium	879	B		P
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	0.17	U		P
7440-23-5	Sodium	72.5	B		P
7440-28-0	Thallium	0.84	B	W	F
7440-62-2	Vanadium	21.4			P
7440-66-6	Zinc	243		N	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Columbia Analytical Services

METALS
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
RINSATE-1

Contract: R2423399

Lab Code: Case No.: SAS No.: SDG NO.: TRENCH-1 (2-C

Matrix (soil/water): WATER Lab Sample ID: 765140

Level (low/med): LOW Date Received: 10/08/04

Concentration Units (ug/L or mg/kg dry weight): µG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	50.9	U		P
7440-36-0	Antimony	2.9	U		P
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	5.6	U		P
7440-41-7	Beryllium	0.11	U		P
7440-43-9	Cadmium	0.70	U		P
7440-70-2	Calcium	37.6	U		P
7440-47-3	Chromium	0.55	U		P
7440-48-4	Cobalt	1.1	U		P
7440-50-8	Copper	1.9	U		P
7439-89-6	Iron	6.3	U		P
7439-92-1	Lead	1.6	U		P
7439-95-4	Magnesium	38.1	U		P
7439-96-5	Manganese	0.56	U		P
7439-97-6	Mercury	0.02	U		CV
7440-02-0	Nickel	1.9	U		P
7440-09-7	Potassium	75.2	U		P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	0.71	U		P
7440-23-5	Sodium	248	B		P
7440-28-0	Thallium	4.5	U		P
7440-62-2	Vanadium	1.5	U		P
7440-66-6	Zinc	1.5	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

COLUMBIA ANALYTICAL SERVICES

Reported: 11/09/04

Day Environmental
Project Reference: ANDERSON CLEANERS WRIGHT 3292S-03
Client Sample ID : TRENCH-1 (2.0')

Date Sampled : 10/06/04
Date Received: 10/08/04
Order #: 765137
Submission #: R2423399
Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.0	82.0	%	10/13/04	13:20	1.0
PH	9040/9	1.00	6.79		10/08/04	17:40	1.0
TOTAL CYANIDE	9012.T	1.00	1.22 U	MG/KG	10/12/04	08:50	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 11/09/04

Day Environmental
Project Reference: ANDERSON CLEANERS WRIGHT 3292S-03
Client Sample ID : RINSATE-1

Date Sampled : 10/06/04
Date Received: 10/08/04
Order #: 765140
Submission #: R2423399
Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	9012.T	0.0100	0.0100 U	MG/L	10/12/04	08:50	1.0

Columbia Analytical Services INC.
Employee - Owned Company
www.caslab.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 1 OF 1

SR #
CAS Contact

Project Name: Anderson Cleaners	Project Number: Wright 32925-03
Project Manager: Scott Fischer	Report CC: Scott Fischer
Company/Address: Day Environmental, Inc. 40 Commercial Street Rochester NY 14614	
Phone #: 454-0210	FAX#: 454 0825
Sampler's Signature: [signature]	Sampler's Printed Name: Ellis Davidson

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 8

Analysis columns: GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP; GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP; GC VOA's ☐ 8021 ☐ 601/602; PESTICIDES ☐ 8081 ☐ 608 ☐ CLP; PCB's ☐ 8082 ☐ 608 ☐ CLP; METALS, TOTAL (List in comments below); METALS, DISSOLVED (List in comments below); 2000 ASP CLP OLM04.2 TCL VOC; 2000 ASP CLP OLM04.2 [illegible] full TCL list

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	METALS, DISSOLVED	2000 ASP CLP OLM04.2 TCL VOC	2000 ASP CLP [illegible] full TCL list	REMARKS/ ALTERNATE DESCRIPTION
Trench - 1 (2.0')		10/6/04	0910	Soil	9		X		Run MS/MSD
Trench - 2 (2.0')		10/6/04	[illegible]10	Soil	3	X			
Trench 3 (2.5')		10/6/04	1130	Soil	3	X			
Rinsate - 1		10/6/04	1310	Water	8		X		

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other ICE

SPECIAL INSTRUCTIONS/COMMENTS
Metals

please run MS/MSD on Trench - 1 sample

RESULTS IN ASP CATEGORY B DELIVERABLES

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
___ 24 hr ___ 48 hr ___ 5 day
X STANDARD
REQUESTED FAX DATE ______
REQUESTED REPORT DATE ______

REPORT REQUIREMENTS
___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
___ IV. Data Validation Report with Raw Data
___ V. Specialized Forms / Custom Report
Edata ___ Yes ___ No

INVOICE INFORMATION
Wright 32925-03
PO#: Day Environmental Inc.
BILL TO: 40 Commercial Street Rochester NY 14614

QAPP ☐

SAMPLE RECEIPT: CONDITION/COOLER TEMP: ______ CUSTODY SEALS: Y N

SUBMISSION #:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: [signature]	Signature: [signature]	Signature:	Signature:	Signature:	Signature:
Printed Name: Ellis Davidson	Printed Name: Gregory O. Emerian	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: Day Environmental	Firm: CAS	Firm:	Firm:	Firm:	Firm:
Date/Time: [illegible] 1034	Date/Time: 10-8-04 10:34	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

1182-08

ANALYTICAL LABORATORY RESULTS

DATE SAMPLED: NOVEMBER 23, 2003

MW-4

MW-6

MW-7

MW-8

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-3204
		Lab Sample Number:	10510
Client Job Number:	3292S-03		
Field Location:	MW-4	**Date Sampled:**	11/23/2003
Field ID Number:	N/A	**Date Received:**	11/24/2003
Sample Type:	Water	**Date Analyzed:**	12/02/2003

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 200	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 200	Tetrachloroethene	17,600
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	ND< 200
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	ND< 200
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200

ELAP Number 10958 Method: EPA 8021B (GC/MS) Data File: 17954.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:

Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-3204
		Lab Sample Number:	10511
Client Job Number:	3292S-03		
Field Location:	MW-6	**Date Sampled:**	11/23/2003
Field ID Number:	N/A	**Date Received:**	11/24/2003
Sample Type:	Water	**Date Analyzed:**	12/02/2003

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 20.0	trans-1,2-Dichloroethene	ND< 20.0
Bromomethane	ND< 20.0	1,2-Dichloropropane	ND< 20.0
Bromoform	ND< 20.0	cis-1,3-Dichloropropene	ND< 20.0
Carbon Tetrachloride	ND< 20.0	trans-1,3-Dichloropropene	ND< 20.0
Chloroethane	ND< 20.0	Methylene chloride	ND< 50.0
Chloromethane	ND< 20.0	1,1,2,2-Tetrachloroethane	ND< 20.0
2-Chloroethyl vinyl Ether	ND< 20.0	Tetrachloroethene	1,790
Chloroform	ND< 20.0	1,1,1-Trichloroethane	ND< 20.0
Dibromochloromethane	ND< 20.0	1,1,2-Trichloroethane	ND< 20.0
1,1-Dichloroethane	ND< 20.0	Trichloroethene	49.4
1,2-Dichloroethane	ND< 20.0	Trichlorofluoromethane	ND< 20.0
1,1-Dichloroethene	ND< 20.0	Vinyl chloride	ND< 20.0
Chlorobenzene	ND< 20.0	1,3-Dichlorobenzene	ND< 20.0
1,2-Dichlorobenzene	ND< 20.0	1,4-Dichlorobenzene	ND< 20.0

ELAP Number 10958 Method: EPA 8021B (GC/MS) Data File: 17955.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:

Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-3204
		Lab Sample Number:	10512
Client Job Number:	3292S-03		
Field Location:	MW-7	**Date Sampled:**	11/23/2003
Field ID Number:	N/A	**Date Received:**	11/24/2003
Sample Type:	Water	**Date Analyzed:**	12/03/2003

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 1,000	trans-1,2-Dichloroethene	ND< 1,000
Bromomethane	ND< 1,000	1,2-Dichloropropane	ND< 1,000
Bromoform	ND< 1,000	cis-1,3-Dichloropropene	ND< 1,000
Carbon Tetrachloride	ND< 1,000	trans-1,3-Dichloropropene	ND< 1,000
Chloroethane	ND< 1,000	Methylene chloride	ND< 2,500
Chloromethane	ND< 1,000	1,1,2,2-Tetrachloroethane	ND< 1,000
2-Chloroethyl vinyl Ether	ND< 1,000	Tetrachloroethene	53,300
Chloroform	ND< 1,000	1,1,1-Trichloroethane	ND< 1,000
Dibromochloromethane	ND< 1,000	1,1,2-Trichloroethane	ND< 1,000
1,1-Dichloroethane	ND< 1,000	Trichloroethene	ND< 1,000
1,2-Dichloroethane	ND< 1,000	Trichlorofluoromethane	ND< 1,000
1,1-Dichloroethene	ND< 1,000	Vinyl chloride	ND< 1,000
Chlorobenzene	ND< 1,000	1,3-Dichlorobenzene	ND< 1,000
1,2-Dichlorobenzene	ND< 1,000	1,4-Dichlorobenzene	ND< 1,000

ELAP Number 10958 Method: EPA 8021B (GC/MS) Data File: 17984.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:
Bruce Hoogesteger: Technical Director

Chain of Custody provides additional sample information

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	03-3204
		Lab Sample Number:	10513
Client Job Number:	3292S-03		
Field Location:	MW-8	**Date Sampled:**	11/23/2003
Field ID Number:	N/A	**Date Received:**	11/24/2003
Sample Type:	Water	**Date Analyzed:**	12/02/2003

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 10.0	trans-1,2-Dichloroethene	ND< 10.0
Bromomethane	ND< 10.0	1,2-Dichloropropane	ND< 10.0
Bromoform	ND< 10.0	cis-1,3-Dichloropropene	ND< 10.0
Carbon Tetrachloride	ND< 10.0	trans-1,3-Dichloropropene	ND< 10.0
Chloroethane	ND< 10.0	Methylene chloride	ND< 25.0
Chloromethane	ND< 10.0	1,1,2,2-Tetrachloroethane	ND< 10.0
2-Chloroethyl vinyl Ether	ND< 10.0	Tetrachloroethene	437
Chloroform	ND< 10.0	1,1,1-Trichloroethane	12.0
Dibromochloromethane	ND< 10.0	1,1,2-Trichloroethane	ND< 10.0
1,1-Dichloroethane	ND< 10.0	Trichloroethene	103
1,2-Dichloroethane	ND< 10.0	Trichlorofluoromethane	ND< 10.0
1,1-Dichloroethene	ND< 10.0	Vinyl chloride	14.5
Chlorobenzene	ND< 10.0	1,3-Dichlorobenzene	ND< 10.0
1,2-Dichlorobenzene	ND< 10.0	1,4-Dichlorobenzene	ND< 10.0

ELAP Number 10958 Method: EPA 8021B (GC/MS) Data File: 17957.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:
COMPANY: Day Environmental
ADDRESS: 40 Commercial Street
CITY: Roch. STATE: NY ZIP: 14614
PHONE: 454-0216 FAX: 454-0825
ATTN: Dan Nail
COMMENTS:

INVOICE TO:
COMPANY: SAME
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #: 03-3204
CLIENT PROJECT #: 32925-03

TURNAROUND TIME: (WORKING DAYS)
1 [ ] 2 [ ] 3 [ ] STD [X] 5 OTHER [ ]

PROJECT NAME/SITE NAME: Cleaners

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	8021B (Halogens)	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	11/23/03			X	MW-4	Liquid	2	X		10510
2					MW-6		2	X		10511
3					MW-7		2	X		10512
4					MW-8		2	X		10513
5										
6										
7										
8										
9										
10										

****LAB USE ONLY****

SAMPLE CONDITION: Check box If acceptable or note deviation:
CONTAINER TYPE: [✓]
PRESERVATIONS: [✓] <2
HOLDING TIME: [✓]
TEMPERATURE: [✓] 10C

Sampled By: KON Date/Time: 11/23/03
Relinquished By: Date/Time: 11/24/03
Received By: Date/Time: 11/24/03 1150

Relinquished By: Date/Time:
Received By: Date/Time:
Received @ Lab By: Date/Time: 11/24/03

Total Cost:

P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY:	COMPANY:	LAB PROJECT #: / CLIENT PROJECT #:
ADDRESS:	ADDRESS:	
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: FAX:	PHONE: FAX:	STD / OTHER
ATTN:	ATTN:	1 2 3 5
COMMENTS:		

PROJECT NAME/SITE NAME:

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS										REMARKS	PARADIGM LAB SAMPLE NUMBER
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type:	Y ☐ N ☐
Comments:	
Preservation:	Y ☐ N ☐
Comments:	
Holding Time:	Y ☐ N ☐
Comments:	
Temperature:	Y ☐ N ☐
Comments:	

Sampled By — Date/Time

Relinquished By — Date/Time

Received By — Date/Time

Received @ Lab By — Date/Time

Total Cost:

P.I.F.

ANALYTICAL LABORATORY RESULTS

DATE SAMPLED: OCTOBER 21, 2004

PW-2

PW-3

MW-1

MW-7

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

LABORATORY REPORT OF ANALYSIS

Client: Day Environmental, Inc.
Client Job Site: 5 Hunt Rd. Jamestown, NY
Client Job No.: 3292S-03

Lab Project No.: 04-3126
Sample Type: Water
Analytical Method: SM 18 9215B
Date Sampled: 10/21/2004
Date Received: 10/21/2004
Date Analyzed: 10/21/2004

Lab Sample ID.	Field Location/Sample ID	Heterotrophic Plate Count col/ml
10592	PW-2	89
10593	PW-3	94
10594	MW-7	4,000

ELAP ID No. 11770

Comments: ND denotes Non Detected.

Approved By Technical Director: Bruce Hoogesteger

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester New York 14608 (716) 647-2530 FAX (716) 647-3311

LABORATORY REPORT OF ANALYSIS

Client: Day Environmental, Inc.

Client Job Site: 5 Hunt Rd., Jamestown, NY

Client Job No.: 3292S-03

Field Location: MW-1

Lab Project No.: 04-3126
Lab Sample No.: 10591

Sample Type: Water

Date Sampled: 10/21/2004
Date Received: 10/21/2004

Parameter	Date Analyzed	Analytical Method	Result (mg/l)
T. Phosphorus	10/26/2004	EPA 365.2	4.16
TKN-N	10/27/2004	EPA 351.3	34.0

ELAP ID.No.: 10709

Comments: ND denotes Non Detected.

Approved By Technical Director: _____
Bruce Hoogesteger

Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester New York 14608 (716) 647-2530 FAX (716) 647-3311

LABORATORY REPORT OF ANALYSIS

Client: Day Environmental, Inc.

Client Job Site: 5 Hunt Rd., Jamestown, NY

Client Job No.: 3292S-03

Field Location: PW-2

Lab Project No.: 04-3126
Lab Sample No.: 10592

Sample Type: Water

Date Sampled: 10/21/2004
Date Received: 10/21/2004

Parameter	Date Analyzed	Analytical Method	Result (mg/l)
T. Phosphorus	10/26/2004	EPA 365.2	18.5
TKN-N	10/27/2004	EPA 351.3	28.0

ELAP ID.No.: 10709

Comments: ND denotes Non Detected.

Approved By Technical Director: _____
Bruce Hoogesteger

Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

File ID: VarPar04-3126-1.xls

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester New York 14608 (716) 647-2530 FAX (716) 647-3311

LABORATORY REPORT OF ANALYSIS

Client: Day Environmental, Inc.

Client Job Site: 5 Hunt Rd., Jamestown, NY

Client Job No.: 3292S-03

Field Location: PW-3

Lab Project No.: 04-3126
Lab Sample No.: 10593

Sample Type: Water

Date Sampled: 10/21/2004
Date Received: 10/21/2004

Parameter	Date Analyzed	Analytical Method	Result (mg/l)
T. Phosphorus	10/26/2004	EPA 365.2	2.45
TKN-N	10/27/2004	EPA 351.3	39.0

ELAP ID.No.: 10709

Comments: ND denotes Non Detected.

Approved By Technical Director: _____
Bruce Hoogesteger

Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

File ID: VarPar04-3126-2.xls

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester New York 14608 (716) 647-2530 FAX (716) 647-3311

LABORATORY REPORT OF ANALYSIS

Client: Day Environmental, Inc.

Client Job Site: 5 Hunt Rd., Jamestown, NY

Client Job No.: 3292S-03

Field Location: MW-7

Lab Project No.: 04-3126
Lab Sample No.: 10594

Sample Type: Water

Date Sampled: 10/21/2004
Date Received: 10/21/2004

Parameter	Date Analyzed	Analytical Method	Result (mg/l)
T. Phosphorus	10/26/2004	EPA 365.2	2.25
TKN-N	10/27/2004	EPA 351.3	34.0

ELAP ID.No.: 10709

Comments: ND denotes Non Detected.

Approved By Technical Director: _____
Bruce Hoogesteger

Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

File ID: VarPar04-3126-3.xls

PARADIGM ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site:	5 Hunt Rd. Jamestown, NY	**Lab Project Number:**	04-3126
		Lab Sample Number:	10592
Client Job Number:	3292S-03		
Field Location:	PW-2	**Date Sampled:**	10/21/2004
Field ID Number:	N/A	**Date Received:**	10/21/2004
Sample Type:	Water	**Date Analyzed:**	10/26/2004

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2,000
Bromomethane	ND< 2,000
Bromoform	ND< 2,000
Carbon Tetrachloride	ND< 2,000
Chloroethane	ND< 2,000
Chloromethane	ND< 2,000
2-Chloroethyl vinyl Ether	ND< 2,000
Chloroform	ND< 2,000
Dibromochloromethane	ND< 2,000
1,1-Dichloroethane	ND< 2,000
1,2-Dichloroethane	ND< 2,000
1,1-Dichloroethene	ND< 2,000
cis-1,2-Dichloroethene	ND< 2,000
trans-1,2-Dichloroethene	ND< 2,000
1,2-Dichloropropane	ND< 2,000
cis-1,3-Dichloropropene	ND< 2,000
trans-1,3-Dichloropropene	ND< 2,000
Methylene chloride	ND< 5,000
1,1,2,2-Tetrachloroethane	ND< 2,000
Tetrachloroethene	91,400
1,1,1-Trichloroethane	ND< 2,000
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2,000
Trichlorofluoromethane	ND< 2,000
Vinyl chloride	ND< 2,000

Aromatics	Results in ug / L
Benzene	ND< 700
Chlorobenzene	ND< 2,000
Ethylbenzene	ND< 2,000
Toluene	ND< 2,000
m,p-Xylene	ND< 2,000
o-Xylene	ND< 2,000
Styrene	ND< 2,000
1,2-Dichlorobenzene	ND< 2,000
1,3-Dichlorobenzene	ND< 2,000
1,4-Dichlorobenzene	ND< 2,000

Ketones	Results in ug / L
Acetone	ND< 10,000
2-Butanone	ND< 5,000
2-Hexanone	ND< 5,000
4-Methyl-2-pentanone	ND< 5,000

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5,000
Vinyl acetate	ND< 5,000

ELAP Number 10958 Method: EPA 8260B Data File: 25450.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site:	5 Hunt Rd. Jamestown, NY	**Lab Project Number:**	04-3126
		Lab Sample Number:	10593
Client Job Number:	3292S-03		
Field Location:	PW-3	**Date Sampled:**	10/21/2004
Field ID Number:	N/A	**Date Received:**	10/21/2004
Sample Type:	Water	**Date Analyzed:**	10/26/2004

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2,000
Bromomethane	ND< 2,000
Bromoform	ND< 2,000
Carbon Tetrachloride	ND< 2,000
Chloroethane	ND< 2,000
Chloromethane	ND< 2,000
2-Chloroethyl vinyl Ether	ND< 2,000
Chloroform	ND< 2,000
Dibromochloromethane	ND< 2,000
1,1-Dichloroethane	ND< 2,000
1,2-Dichloroethane	ND< 2,000
1,1-Dichloroethene	ND< 2,000
cis-1,2-Dichloroethene	72,500
trans-1,2-Dichloroethene	ND< 2,000
1,2-Dichloropropane	ND< 2,000
cis-1,3-Dichloropropene	ND< 2,000
trans-1,3-Dichloropropene	ND< 2,000
Methylene chloride	ND< 5,000
1,1,2,2-Tetrachloroethane	ND< 2,000
Tetrachloroethene	108,000
1,1,1-Trichloroethane	ND< 2,000
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	9,070
Trichlorofluoromethane	ND< 2,000
Vinyl chloride	13,800

Aromatics	Results in ug / L
Benzene	ND< 700
Chlorobenzene	ND< 2,000
Ethylbenzene	ND< 2,000
Toluene	ND< 2,000
m,p-Xylene	ND< 2,000
o-Xylene	ND< 2,000
Styrene	ND< 2,000
1,2-Dichlorobenzene	ND< 2,000
1,3-Dichlorobenzene	ND< 2,000
1,4-Dichlorobenzene	ND< 2,000

Ketones	Results in ug / L
Acetone	ND< 10,000
2-Butanone	ND< 5,000
2-Hexanone	ND< 5,000
4-Methyl-2-pentanone	ND< 5,000

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5,000
Vinyl acetate	ND< 5,000

ELAP Number 10958 Method: EPA 8260B Data File: 25451.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:
Bruce Hoogesteger: Technical Director

PARADIGM
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Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site:	5 Hunt Rd. Jamestown, NY	**Lab Project Number:**	04-3126
		Lab Sample Number:	10594
Client Job Number:	3292S-03		
Field Location:	MW-7	**Date Sampled:**	10/21/2004
Field ID Number:	N/A	**Date Received:**	10/21/2004
Sample Type:	Water	**Date Analyzed:**	10/26/2004

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2,000
Bromomethane	ND< 2,000
Bromoform	ND< 2,000
Carbon Tetrachloride	ND< 2,000
Chloroethane	ND< 2,000
Chloromethane	ND< 2,000
2-Chloroethyl vinyl Ether	ND< 2,000
Chloroform	ND< 2,000
Dibromochloromethane	ND< 2,000
1,1-Dichloroethane	ND< 2,000
1,2-Dichloroethane	ND< 2,000
1,1-Dichloroethene	ND< 2,000
cis-1,2-Dichloroethene	ND< 2,000
trans-1,2-Dichloroethene	ND< 2,000
1,2-Dichloropropane	ND< 2,000
cis-1,3-Dichloropropene	ND< 2,000
trans-1,3-Dichloropropene	ND< 2,000
Methylene chloride	ND< 5,000
1,1,2,2-Tetrachloroethane	ND< 2,000
Tetrachloroethene	53,700
1,1,1-Trichloroethane	ND< 2,000
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2,000
Trichlorofluoromethane	ND< 2,000
Vinyl chloride	ND< 2,000

Aromatics	Results in ug / L
Benzene	ND< 700
Chlorobenzene	ND< 2,000
Ethylbenzene	ND< 2,000
Toluene	ND< 2,000
m,p-Xylene	ND< 2,000
o-Xylene	ND< 2,000
Styrene	ND< 2,000
1,2-Dichlorobenzene	ND< 2,000
1,3-Dichlorobenzene	ND< 2,000
1,4-Dichlorobenzene	ND< 2,000

Ketones	Results in ug / L
Acetone	ND< 10,000
2-Butanone	ND< 5,000
2-Hexanone	ND< 5,000
4-Methyl-2-pentanone	ND< 5,000

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5,000
Vinyl acetate	ND< 5,000

ELAP Number 10958 Method: EPA 8260B Data File: 25452.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

COURTYARD SOIL SAMPLES

SAMPLE DATE: FEBRUARY 7, 2005

COMPOSITE SAMPLES: TB-100 THROUGH TB-111

DISCRETE SAMPLES: TB-108 (4-6')

TB-112 (4-6')

TB-113 (6-8')

TB-114 (6-8')

PARADIGM ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc.

Client Job Site:	5 Hunt Road Jamestown, NY	**Lab Project Number:**	05-0546
Client Job Number:	3563S-04	**Lab Sample Number:**	2685
Field Location:	TB-100	**Date Sampled:**	02/07/2005
Field ID Number:	N/A	**Date Received:**	02/09/2005
Sample Type:	Soil	**Date Analyzed:**	02/14/2005

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 2,460	trans-1,2-Dichloroethene	ND< 2,460
Bromomethane	ND< 2,460	1,2-Dichloropropane	ND< 2,460
Bromoform	ND< 2,460	cis-1,3-Dichloropropene	ND< 2,460
Carbon Tetrachloride	ND< 2,460	trans-1,3-Dichloropropene	ND< 2,460
Chloroethane	ND< 2,460	Methylene chloride	ND< 6,160
Chloromethane	ND< 2,460	1,1,2,2-Tetrachloroethane	ND< 2,460
2-Chloroethyl vinyl Ether	ND< 2,460	Tetrachloroethene	21,400
Chloroform	ND< 2,460	1,1,1-Trichloroethane	ND< 2,460
Dibromochloromethane	ND< 2,460	1,1,2-Trichloroethane	ND< 2,460
1,1-Dichloroethane	ND< 2,460	Trichloroethene	ND< 2,460
1,2-Dichloroethane	ND< 2,460	Trichlorofluoromethane	ND< 2,460
1,1-Dichloroethene	ND< 2,460	Vinyl chloride	ND< 2,460
Chlorobenzene	ND< 2,460	1,3-Dichlorobenzene	ND< 2,460
1,2-Dichlorobenzene	ND< 2,460	1,4-Dichlorobenzene	ND< 2,460

ELAP Number 10958 Method: EPA 8260B Data File: 27445.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc.

Client Job Site:	5 Hunt Road Jamestown, NY	**Lab Project Number:**	05-0546
		Lab Sample Number:	2686
Client Job Number:	3563S-04		
Field Location:	TB-101	**Date Sampled:**	02/07/2005
Field ID Number:	N/A	**Date Received:**	02/09/2005
Sample Type:	Soil	**Date Analyzed:**	02/14/2005

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 1,980	trans-1,2-Dichloroethene	ND< 1,980
Bromomethane	ND< 1,980	1,2-Dichloropropane	ND< 1,980
Bromoform	ND< 1,980	cis-1,3-Dichloropropene	ND< 1,980
Carbon Tetrachloride	ND< 1,980	trans-1,3-Dichloropropene	ND< 1,980
Chloroethane	ND< 1,980	Methylene chloride	ND< 4,960
Chloromethane	ND< 1,980	1,1,2,2-Tetrachloroethane	ND< 1,980
2-Chloroethyl vinyl Ether	ND< 1,980	Tetrachloroethene	6,550
Chloroform	ND< 1,980	1,1,1-Trichloroethane	ND< 1,980
Dibromochloromethane	ND< 1,980	1,1,2-Trichloroethane	ND< 1,980
1,1-Dichloroethane	ND< 1,980	Trichloroethene	ND< 1,980
1,2-Dichloroethane	ND< 1,980	Trichlorofluoromethane	ND< 1,980
1,1-Dichloroethene	ND< 1,980	Vinyl chloride	ND< 1,980
Chlorobenzene	ND< 1,980	1,3-Dichlorobenzene	ND< 1,980
1,2-Dichlorobenzene	ND< 1,980	1,4-Dichlorobenzene	ND< 1,980

ELAP Number 10958 Method: EPA 8260B Data File: 27446.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger, Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc.

Client Job Site:	5 Hunt Road Jamestown, NY	**Lab Project Number:**	05-0546
		Lab Sample Number:	2687
Client Job Number:	3563S-04		
Field Location:	TB-102	**Date Sampled:**	02/07/2005
Field ID Number:	N/A	**Date Received:**	02/09/2005
Sample Type:	Soil	**Date Analyzed:**	02/14/2005

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 21,500	trans-1,2-Dichloroethene	ND< 21,500
Bromomethane	ND< 21,500	1,2-Dichloropropane	ND< 21,500
Bromoform	ND< 21,500	cis-1,3-Dichloropropene	ND< 21,500
Carbon Tetrachloride	ND< 21,500	trans-1,3-Dichloropropene	ND< 21,500
Chloroethane	ND< 21,500	Methylene chloride	ND< 53,700
Chloromethane	ND< 21,500	1,1,2,2-Tetrachloroethane	ND< 21,500
2-Chloroethyl vinyl Ether	ND< 21,500	Tetrachloroethene	309,000
Chloroform	ND< 21,500	1,1,1-Trichloroethane	ND< 21,500
Dibromochloromethane	ND< 21,500	1,1,2-Trichloroethane	ND< 21,500
1,1-Dichloroethane	ND< 21,500	Trichloroethene	ND< 21,500
1,2-Dichloroethane	ND< 21,500	Trichlorofluoromethane	ND< 21,500
1,1-Dichloroethene	ND< 21,500	Vinyl chloride	ND< 21,500
Chlorobenzene	ND< 21,500	1,3-Dichlorobenzene	ND< 21,500
1,2-Dichlorobenzene	ND< 21,500	1,4-Dichlorobenzene	ND< 21,500

ELAP Number 10958 Method: EPA 8260B Data File: 27447.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc.

Client Job Site:	5 Hunt Road Jamestown, NY	**Lab Project Number:**	05-0546
		Lab Sample Number:	2688
Client Job Number:	3563S-04		
Field Location:	TB-103	**Date Sampled:**	02/07/2005
Field ID Number:	N/A	**Date Received:**	02/09/2005
Sample Type:	Soil	**Date Analyzed:**	02/14/2005

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 19,300	trans-1,2-Dichloroethene	ND< 19,300
Bromomethane	ND< 19,300	1,2-Dichloropropane	ND< 19,300
Bromoform	ND< 19,300	cis-1,3-Dichloropropene	ND< 19,300
Carbon Tetrachloride	ND< 19,300	trans-1,3-Dichloropropene	ND< 19,300
Chloroethane	ND< 19,300	Methylene chloride	ND< 48,200
Chloromethane	ND< 19,300	1,1,2,2-Tetrachloroethane	ND< 19,300
2-Chloroethyl vinyl Ether	ND< 19,300	Tetrachloroethene	143,000
Chloroform	ND< 19,300	1,1,1-Trichloroethane	ND< 19,300
Dibromochloromethane	ND< 19,300	1,1,2-Trichloroethane	ND< 19,300
1,1-Dichloroethane	ND< 19,300	Trichloroethene	ND< 19,300
1,2-Dichloroethane	ND< 19,300	Trichlorofluoromethane	ND< 19,300
1,1-Dichloroethene	ND< 19,300	Vinyl chloride	ND< 19,300
Chlorobenzene	ND< 19,300	1,3-Dichlorobenzene	ND< 19,300
1,2-Dichlorobenzene	ND< 19,300	1,4-Dichlorobenzene	ND< 19,300

ELAP Number 10958 Method: EPA 8260B Data File: 27448.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc.

Client Job Site:	5 Hunt Road Jamestown, NY	**Lab Project Number:**	05-0546
		Lab Sample Number:	2689
Client Job Number:	3563S-04		
Field Location:	TB-105	**Date Sampled:**	02/07/2005
Field ID Number:	N/A	**Date Received:**	02/09/2005
Sample Type:	Soil	**Date Analyzed:**	02/14/2005

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 1,310	trans-1,2-Dichloroethene	ND< 1,310
Bromomethane	ND< 1,310	1,2-Dichloropropane	ND< 1,310
Bromoform	ND< 1,310	cis-1,3-Dichloropropene	ND< 1,310
Carbon Tetrachloride	ND< 1,310	trans-1,3-Dichloropropene	ND< 1,310
Chloroethane	ND< 1,310	Methylene chloride	ND< 3,270
Chloromethane	ND< 1,310	1,1,2,2-Tetrachloroethane	ND< 1,310
2-Chloroethyl vinyl Ether	ND< 1,310	Tetrachloroethene	5,900
Chloroform	ND< 1,310	1,1,1-Trichloroethane	ND< 1,310
Dibromochloromethane	ND< 1,310	1,1,2-Trichloroethane	ND< 1,310
1,1-Dichloroethane	ND< 1,310	Trichloroethene	ND< 1,310
1,2-Dichloroethane	ND< 1,310	Trichlorofluoromethane	ND< 1,310
1,1-Dichloroethene	ND< 1,310	Vinyl chloride	ND< 1,310
Chlorobenzene	ND< 1,310	1,3-Dichlorobenzene	ND< 1,310
1,2-Dichlorobenzene	ND< 1,310	1,4-Dichlorobenzene	ND< 1,310

ELAP Number 10958 Method: EPA 8260B Data File: 27449.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc.

Client Job Site:	5 Hunt Road Jamestown, NY	**Lab Project Number:**	05-0546
		Lab Sample Number:	2690
Client Job Number:	3563S-04		
Field Location:	TB-106	**Date Sampled:**	02/07/2005
Field ID Number:	N/A	**Date Received:**	02/09/2005
Sample Type:	Soil	**Date Analyzed:**	02/14/2005

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 84,600	trans-1,2-Dichloroethene	ND< 84,600
Bromomethane	ND< 84,600	1,2-Dichloropropane	ND< 84,600
Bromoform	ND< 84,600	cis-1,3-Dichloropropene	ND< 84,600
Carbon Tetrachloride	ND< 84,600	trans-1,3-Dichloropropene	ND< 84,600
Chloroethane	ND< 84,600	Methylene chloride	ND< 212,000
Chloromethane	ND< 84,600	1,1,2,2-Tetrachloroethane	ND< 84,600
2-Chloroethyl vinyl Ether	ND< 84,600	Tetrachloroethene	2,610,000
Chloroform	ND< 84,600	1,1,1-Trichloroethane	ND< 84,600
Dibromochloromethane	ND< 84,600	1,1,2-Trichloroethane	ND< 84,600
1,1-Dichloroethane	ND< 84,600	Trichloroethene	ND< 84,600
1,2-Dichloroethane	ND< 84,600	Trichlorofluoromethane	ND< 84,600
1,1-Dichloroethene	ND< 84,600	Vinyl chloride	ND< 84,600
Chlorobenzene	ND< 84,600	1,3-Dichlorobenzene	ND< 84,600
1,2-Dichlorobenzene	ND< 84,600	1,4-Dichlorobenzene	ND< 84,600

ELAP Number 10958 Method: EPA 8260B Data File: 27450.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:
Bruce Hoogesteger: Technical Director

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

Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc.

Client Job Site:	5 Hunt Road Jamestown, NY	**Lab Project Number:**	05-0546
		Lab Sample Number:	2691
Client Job Number:	3563S-04		
Field Location:	TB-110	**Date Sampled:**	02/07/2005
Field ID Number:	N/A	**Date Received:**	02/09/2005
Sample Type:	Soil	**Date Analyzed:**	02/14/2005

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 1,940	trans-1,2-Dichloroethene	ND< 1,940
Bromomethane	ND< 1,940	1,2-Dichloropropane	ND< 1,940
Bromoform	ND< 1,940	cis-1,3-Dichloropropene	ND< 1,940
Carbon Tetrachloride	ND< 1,940	trans-1,3-Dichloropropene	ND< 1,940
Chloroethane	ND< 1,940	Methylene chloride	ND< 4,850
Chloromethane	ND< 1,940	1,1,2,2-Tetrachloroethane	ND< 1,940
2-Chloroethyl vinyl Ether	ND< 1,940	Tetrachloroethene	14,500
Chloroform	ND< 1,940	1,1,1-Trichloroethane	ND< 1,940
Dibromochloromethane	ND< 1,940	1,1,2-Trichloroethane	ND< 1,940
1,1-Dichloroethane	ND< 1,940	Trichloroethene	ND< 1,940
1,2-Dichloroethane	ND< 1,940	Trichlorofluoromethane	ND< 1,940
1,1-Dichloroethene	ND< 1,940	Vinyl chloride	ND< 1,940
Chlorobenzene	ND< 1,940	1,3-Dichlorobenzene	ND< 1,940
1,2-Dichlorobenzene	ND< 1,940	1,4-Dichlorobenzene	ND< 1,940

ELAP Number 10958 Method: EPA 8260B Data File: 27451.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc.

Client Job Site:	5 Hunt Road Jamestown, NY	**Lab Project Number:**	05-0546
		Lab Sample Number:	2692
Client Job Number:	3563S-04		
Field Location:	TB-111	**Date Sampled:**	02/07/2005
Field ID Number:	N/A	**Date Received:**	02/09/2005
Sample Type:	Soil	**Date Analyzed:**	02/14/2005

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 112,000	trans-1,2-Dichloroethene	ND< 112,000
Bromomethane	ND< 112,000	1,2-Dichloropropane	ND< 112,000
Bromoform	ND< 112,000	cis-1,3-Dichloropropene	ND< 112,000
Carbon Tetrachloride	ND< 112,000	trans-1,3-Dichloropropene	ND< 112,000
Chloroethane	ND< 112,000	Methylene chloride	ND< 281,000
Chloromethane	ND< 112,000	1,1,2,2-Tetrachloroethane	ND< 112,000
2-Chloroethyl vinyl Ether	ND< 112,000	Tetrachloroethene	3,510,000
Chloroform	ND< 112,000	1,1,1-Trichloroethane	ND< 112,000
Dibromochloromethane	ND< 112,000	1,1,2-Trichloroethane	ND< 112,000
1,1-Dichloroethane	ND< 112,000	Trichloroethene	ND< 112,000
1,2-Dichloroethane	ND< 112,000	Trichlorofluoromethane	ND< 112,000
1,1-Dichloroethene	ND< 112,000	Vinyl chloride	ND< 112,000
Chlorobenzene	ND< 112,000	1,3-Dichlorobenzene	ND< 112,000
1,2-Dichlorobenzene	ND< 112,000	1,4-Dichlorobenzene	ND< 112,000

ELAP Number 10958 Method: EPA 8260B Data File: 27452.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

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

Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc.

Client Job Site:	5 Hunt Road Jamestown, NY	**Lab Project Number:**	05-0546
Client Job Number:	3563S-04	**Lab Sample Number:**	2693
Field Location:	TB-108 (4'-6')	**Date Sampled:**	02/07/2005
Field ID Number:	N/A	**Date Received:**	02/09/2005
Sample Type:	Soil	**Date Analyzed:**	02/14/2005

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Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 2,510	trans-1,2-Dichloroethene	ND< 2,510
Bromomethane	ND< 2,510	1,2-Dichloropropane	ND< 2,510
Bromoform	ND< 2,510	cis-1,3-Dichloropropene	ND< 2,510
Carbon Tetrachloride	ND< 2,510	trans-1,3-Dichloropropene	ND< 2,510
Chloroethane	ND< 2,510	Methylene chloride	ND< 6,270
Chloromethane	ND< 2,510	1,1,2,2-Tetrachloroethane	ND< 2,510
2-Chloroethyl vinyl Ether	ND< 2,510	Tetrachloroethene	20,800
Chloroform	ND< 2,510	1,1,1-Trichloroethane	ND< 2,510
Dibromochloromethane	ND< 2,510	1,1,2-Trichloroethane	ND< 2,510
1,1-Dichloroethane	ND< 2,510	Trichloroethene	ND< 2,510
1,2-Dichloroethane	ND< 2,510	Trichlorofluoromethane	ND< 2,510
1,1-Dichloroethene	ND< 2,510	Vinyl chloride	ND< 2,510
Chlorobenzene	ND< 2,510	1,3-Dichlorobenzene	ND< 2,510
1,2-Dichlorobenzene	ND< 2,510	1,4-Dichlorobenzene	ND< 2,510

ELAP Number 10958 Method: EPA 8260B Data File: 27453.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc.

Client Job Site:	5 Hunt Road Jamestown, NY	**Lab Project Number:**	05-0546
		Lab Sample Number:	2694
Client Job Number:	3563S-04		
Field Location:	TB-112 (4'-6')	**Date Sampled:**	02/07/2005
Field ID Number:	N/A	**Date Received:**	02/09/2005
Sample Type:	Soil	**Date Analyzed:**	02/15/2005

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 95.7	trans-1,2-Dichloroethene	ND< 95.7
Bromomethane	ND< 95.7	1,2-Dichloropropane	ND< 95.7
Bromoform	ND< 95.7	cis-1,3-Dichloropropene	ND< 95.7
Carbon Tetrachloride	ND< 95.7	trans-1,3-Dichloropropene	ND< 95.7
Chloroethane	ND< 95.7	Methylene chloride	ND< 239
Chloromethane	ND< 95.7	1,1,2,2-Tetrachloroethane	ND< 95.7
2-Chloroethyl vinyl Ether	ND< 95.7	Tetrachloroethene	1,020
Chloroform	ND< 95.7	1,1,1-Trichloroethane	ND< 95.7
Dibromochloromethane	ND< 95.7	1,1,2-Trichloroethane	ND< 95.7
1,1-Dichloroethane	ND< 95.7	Trichloroethene	ND< 95.7
1,2-Dichloroethane	ND< 95.7	Trichlorofluoromethane	ND< 95.7
1,1-Dichloroethene	ND< 95.7	Vinyl chloride	2,470
Chlorobenzene	ND< 95.7	1,3-Dichlorobenzene	ND< 95.7
1,2-Dichlorobenzene	ND< 95.7	1,4-Dichlorobenzene	ND< 95.7

ELAP Number 10958 Method: EPA 8260B Data File: 27471.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc.

Client Job Site:	5 Hunt Road Jamestown, NY	**Lab Project Number:**	05-0546
		Lab Sample Number:	2695
Client Job Number:	3563S-04		
Field Location:	TB-113 (6'-8')	**Date Sampled:**	02/07/2005
Field ID Number:	N/A	**Date Received:**	02/09/2005
Sample Type:	Soil	**Date Analyzed:**	02/14/2005

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 2,200	trans-1,2-Dichloroethene	ND< 2,200
Bromomethane	ND< 2,200	1,2-Dichloropropane	ND< 2,200
Bromoform	ND< 2,200	cis-1,3-Dichloropropene	ND< 2,200
Carbon Tetrachloride	ND< 2,200	trans-1,3-Dichloropropene	ND< 2,200
Chloroethane	ND< 2,200	Methylene chloride	ND< 5,500
Chloromethane	ND< 2,200	1,1,2,2-Tetrachloroethane	ND< 2,200
2-Chloroethyl vinyl Ether	ND< 2,200	Tetrachloroethene	40,400
Chloroform	ND< 2,200	1,1,1-Trichloroethane	ND< 2,200
Dibromochloromethane	ND< 2,200	1,1,2-Trichloroethane	ND< 2,200
1,1-Dichloroethane	ND< 2,200	Trichloroethene	4,600
1,2-Dichloroethane	ND< 2,200	Trichlorofluoromethane	ND< 2,200
1,1-Dichloroethene	ND< 2,200	Vinyl chloride	ND< 2,200
Chlorobenzene	ND< 2,200	1,3-Dichlorobenzene	ND< 2,200
1,2-Dichlorobenzene	ND< 2,200	1,4-Dichlorobenzene	ND< 2,200

ELAP Number 10958 Method: EPA 8260B Data File: 27454.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc.

Client Job Site:	5 Hunt Road Jamestown, NY	**Lab Project Number:**	05-0546
		Lab Sample Number:	2696
Client Job Number:	3563S-04		
Field Location:	TB-114 (6'-8')	**Date Sampled:**	02/07/2005
Field ID Number:	N/A	**Date Received:**	02/09/2005
Sample Type:	Soil	**Date Analyzed:**	02/14/2005

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 1,860	trans-1,2-Dichloroethene	ND< 1,860
Bromomethane	ND< 1,860	1,2-Dichloropropane	ND< 1,860
Bromoform	ND< 1,860	cis-1,3-Dichloropropene	ND< 1,860
Carbon Tetrachloride	ND< 1,860	trans-1,3-Dichloropropene	ND< 1,860
Chloroethane	ND< 1,860	Methylene chloride	ND< 4,660
Chloromethane	ND< 1,860	1,1,2,2-Tetrachloroethane	ND< 1,860
2-Chloroethyl vinyl Ether	ND< 1,860	Tetrachloroethene	5,870
Chloroform	ND< 1,860	1,1,1-Trichloroethane	ND< 1,860
Dibromochloromethane	ND< 1,860	1,1,2-Trichloroethane	ND< 1,860
1,1-Dichloroethane	ND< 1,860	Trichloroethene	ND< 1,860
1,2-Dichloroethane	ND< 1,860	Trichlorofluoromethane	ND< 1,860
1,1-Dichloroethene	ND< 1,860	Vinyl chloride	ND< 1,860
Chlorobenzene	ND< 1,860	1,3-Dichlorobenzene	ND< 1,860
1,2-Dichlorobenzene	ND< 1,860	1,4-Dichlorobenzene	ND< 1,860

ELAP Number 10958 Method: EPA 8260B Data File: 27455.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

1-13

REPORT TO:	INVOICE TO:	
COMPANY:	COMPANY:	LAB PROJECT #: 05-0546 / CLIENT PROJECT #:
ADDRESS:	ADDRESS:	
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: FAX:	PHONE: FAX:	STD / OTHER
ATTN:	ATTN:	1 2 3 X 5
COMMENTS: * Toxic ive ple ; Tot hydrocarbons & composite analyses to be as requested by DAY T NV.		

PROJECT NAME/SITE NAME:

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS		REMARKS	PARADIGM LAB SAMPLE NUMBER
2/7/05	1124		X	TB-112 (4-6)	Soil	1	X		26894
2/7/05	1149		X	TB-113 (4-6)	Soil	1	X		26894

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y X	N
Comments:		
Preservation:	Y X	N
Comments:		
Holding Time:	Y X	N
Comments:		
Temperature: 3	Y X	N
Comments:		

Sampled By — Date/Time: 2/4/05 10:00

Relinquished By — Date/Time: 2/9/05 10:00

Received By — Date/Time: 2/9/05 1518

Received @ Lab By — Date/Time

Total Cost:

P.I.F.

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179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

2 of 3

REPORT TO:
COMPANY: [illegible] ENVIRONMENTAL SVC.
ADDRESS: [illegible]
CITY: [illegible] STATE: N.Y. ZIP: [illegible]
PHONE: 457 0210 FAX: 427 0225
ATTN: DAN NOLL
COMMENTS: * Please save sample for Potential composite analysis in future, as may exist at DAY ST. NY.

INVOICE TO:
COMPANY: [illegible]
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #: 05-0546
CLIENT PROJECT #: 3563 [illegible]

TURNAROUND TIME: (WORKING DAYS)
STD [ ] 1 [ ] 2 [ ] 3 [X] 5 OTHER [ ]

PROJECT NAME/SITE NAME:
[illegible] Road
[illegible]TOWN, NY

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	8260 Halo Carbons	REMARKS	PARADIGM LAB SAMPLE NUMBER
2/7/05	1215		X	TB 113 (6.5')	Soil	1	X	*	26955
2/7/05	1314		X	TB 114 (6.5')	Soil	1	X	*	26956
2/7/05			X	TB 104 (10-12'), (14-16')	Soil	4		Please Hold	
2/7/05			X	TB 111 (6-8'), (8-10'), (14-16')	Soil	4		Please Hold	
2/7/05			X	TB 103 (10-12'), (12-14'), (6-8')	Soil	3		Please Hold	
2/7/05			X	TB 109 (6-8'), (10-12'), (14-16')	Soil	4		Please Hold	
2/7/05			X	TB 112 (6-8'), (8-10'), (10-12')	Soil	3		Please Hold	
2/7/05			X	TB 113 (6-8'), (8-10'), (14-16')	Soil	3		Please Hold	
2/7/05			X	TB 111 (10-12'), (14-16')	Soil	3		Please Hold	
2/7/05			X	TB 113 (4-6'), (6-8'), (11-12')	Soil	3		Please Hold	

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y [X]	N [ ]
Comments:		
Preservation:	Y [X]	N [ ]
Comments:		
Holding Time:	Y [X]	N [ ]
Comments:		
Temperature: 2	Y [X]	N [ ]
Comments:		

Sampled By: G C R	Date/Time: 2/9/05 10:00	Total Cost:
Relinquished By: [signature]	Date/Time: 2/9/05 10:00	
Received By: Kelly Crandall	Date/Time: 2/9/05 1518	P.I.F.
Received @ Lab:	Date/Time:	

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY:	COMPANY:	LAB PROJECT #: 05-0546
ADDRESS:	ADDRESS:	CLIENT PROJECT #:
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: FAX:	PHONE: FAX:	STD ☐1 ☐2 ☐3 ☑5 OTHER ☐
ATTN:	ATTN:	
COMMENTS: *		

PROJECT NAME/SITE NAME:

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	2/9/05			X	TB-116 (40-45')		4		
2	2/9/05			X	TB-117 (2.5')		2		
3									
4									
5									
6									
7									
8									
9									
10									

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☒	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature: 3	Y ☒	N ☐
Comments:		

Sampled By: C.C. Date/Time: 2/9/05 10:00

Relinquished By: [signature] Date/Time: 2/9/05 10:00

Received By: Kelly Crandall Date/Time: 2/9/05 1518

Received @ Lab By: Date/Time:

Total Cost:

P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:
COMPANY: DAY ENVIRONMENTAL INC.
ADDRESS: 40 Commercial Street
CITY: Rochester STATE: N.Y. ZIP: 14614
PHONE: 454 0210 FAX: 454 0825
ATTN: DAN NOLL

INVOICE TO:
COMPANY: SAME
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #: 05-0546
CLIENT PROJECT #: 35635-04

TURNAROUND TIME: (WORKING DAYS)
STD [X] 5 OTHER [ ] 1 [ ] 2 [ ] 3

PROJECT NAME/SITE NAME: 5 HUNT ROAD, JAMESTOWN, N.Y.

COMMENTS: * Please save sample for Potential Discrete or Composite analysis in future, as requested by DAY ENV.

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	8260 Halo Carbons											REMARKS	PARADIGM LAB SAMPLE NUMBER
1	2/7/05	0932		X	TB-100 (0-2'); (2-4'); (4-6'); (6-8')	Soil	5	X											Composite the 5 jars to make one 0-8' sample *	26855
2	2/7/05	0947		X	TB-101 (0-2'); (2-4'); (4-6'); (6-8')	Soil	4	X											Composite 4 jars to make one 0-8' sample *	26856
3	2/7/05	1007		X	TB-102 (0-2'); (2-4'); (4-6'); (6-8')	Soil	4	X											Composite 4 jars to make one 0-8' sample *	26857
4	2/7/05	1019		X	TB-103 (0-2'); (2-4'); (4-6'); (6-8')	Soil	4	X											Composite 4 jars to make one 0-8' sample *	26858
5	2/7/05	1046		X	TB-105 (0-4'); (4-6'); (6-8')	Soil	3	X											Composite 3 jars to make one 0-8' sample *	26859
6	2/7/05	1100		X	TB-106 (0-4'); (4-6'); (6-8')	Soil	3	X											Composite 3 jars to make one 0-8' sample *	26910
7	2/7/05	1148		X	TB-110 (0-2'); (2-4'); (4-6'); (6-8')	Soil	4	X											Composite 4 jars to make one 0-8' sample *	26911
8	2/7/05	1202		X	TB-111 (0-2'); (2-4'); (4-6'); (6-8')	Soil	4	X											Composite 4 jars to make one 0-8' sample *	26912
9	2/7/05	1124		X	TB-108 (4-6')	Soil	1	X											Please save remaining sample *	26913
10	2/7/05	1249		X	TB-112 (4-6')	Soil	1	X											Please save remaining sample *	26914

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y [X]	N [ ]
Comments:		
Preservation:	Y [X]	N [ ]
Comments:		
Holding Time:	Y [X]	N [ ]
Comments:		
Temperature: 3	Y [X]	N [ ]
Comments:		

Sampled By: AC	Date/Time: 2/8/05	17:00
Relinquished By: AC	Date/Time: 2/4/05	10:00
Received By: Kelly Crandall	Date/Time: 2/9/05	10:08
Received @ lab	Date/Time: 2/9/05	1518

Total Cost:

P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1987
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO

COMPANY: DAY ENVIRONMENTAL, INC.
ADDRESS: 40 commercial st
CITY: Rochester STATE: NY ZIP: 14614
PHONE: 454 0210 FAX: 454 0825
ATTN: DAN NOLL

INVOICE TO

COMPANY: SAME
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #: 05-0546
CLIENT PROJECT #: 35635-04

TURNAROUND TIME: (WORKING DAYS)
STD [X] 5 OTHER [ ]
[ ] 1 [ ] 2 [ ] 3

PROJECT NAME/SITE NAME: 5 Hunt Road, Jamestown, NY

COMMENTS: * Please save sample for Potential composite analysis in future, as requested by DAY ENV.

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	8260 Halo Carbon	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 2/7/05	1305		X	TB-113 (6-8')	Soil	1	X	*	26951
2 2/7/05	1314		X	TB-114 (6-8')	Soil	1	X	*	26960
3 2/7/05			X	TB-104 (0-2'),(2-4'),(4-6'),(6-8')	Soil	4		Please Hold	
4 2/7/05			X	TB-107 (0-2'),(2-4'),(4-6'),(6-8')	Soil	4		Please HOLD	
5 2/7/05			X	TB-108 (0-2'),(2-4'),(6-8')	Soil	3		Please HOLD	
6 2/7/05			X	TB-109 (0-2'),(2-4'),(4-6'),(6-8')	Soil	4		Please HOLD	
7 2/7/05			X	TB-112 (0-2'),(2-4'),(6-8')	Soil	3		Please HOLD	
8 2/7/05			X	TB-113 (0-2'),(2-4'),(4-6')	Soil	3		Please HOLD	
9 2/7/05			X	TB-114 (0-2'),(2-4'),(4-6')	Soil	3		Please HOLD	
10 2/7/05			X	TB-115 (4.0'),(6.0'),(11.0')	Soil	3		Please HOLD	

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y [X]	N [ ]
Comments:		
Preservation:	Y [X]	N [ ]
Comments:		
Holding Time:	Y [X]	N [ ]
Comments:		
Temperature: 3	Y [X]	N [ ]
Comments:		

Sampled By: G C R	Date/Time: 2/8/05 17:00	Total Cost:
Relinquished By: G Scamp	Date/Time: 2/9/05 10:00	
Received By: Kelly Crandall	Date/Time: 2/9/05 1518	P.I.F.
Received @ Lab By:	Date/Time:	

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:
COMPANY: DAY ENVIRONMENTAL INC.
ADDRESS: 40 COMMERCIAL ST.
CITY: Rochester STATE: NY ZIP: 14614
PHONE: 454 0210 FAX: 454 0825
ATTN: DAN NOL
COMMENTS: * Please HOLD samples until further instructed by DAY

INVOICE TO:
COMPANY: SAME
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #: 05-0546
CLIENT PROJECT #: 35635-04

TURNAROUND TIME: (WORKING DAYS)
STD OTHER
☐ 1 ☐ 2 ☐ 3 ☒ 5 ☐

PROJECT NAME/SITE NAME:
5 HUNT ROAD
JAMESTOWN, N.Y.

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAINER NUMBER	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	2/7/05			X	TB-116 (4.0'~~5.5'~~);(10.0');(14.2')	Soil	4	Please HOLD *	
2	2/7/05			X	TB-117 (2.5'),(6.5')	Soil	2	Please HOLD *	
3									
4									
5									
6									
7									
8									
9									
10									

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☒	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature: 3	Y ☒	N ☐
Comments:		

Sampled By: a c d	Date/Time: 2/8/05 17:00	Total Cost:
Relinquished By: a c d	Date/Time: 2/9/05 10:00	
Received By: C Sengen	Date/Time: 2/9/05 10:00	
Received @ Lab: Kelly Crandall	Date/Time: 2/9/05 1518	P.I.F.

DATE SAMPLED: AUGUST 18, 2005

PW-3

MW-07

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PHC Analysis Report for Non-potable Water

Client: Day Environmental,Inc.

Client Job Site:	5 Hunt Rd Jamestown, NY	**Lab Project Number:**	05-2876
Client Job Number:	3566S-04	**Lab Sample Number:**	10419
Field Location:	PW-3	**Date Sampled:**	08/18/2005
Field ID Number:	N/A	**Date Received:**	08/19/2005
Sample Type:	Water	**Date Analyzed:**	08/25/2005

PHC Classification	Results in ug / L
Petroleum Hydrocarbon	ND< 500

ELAP Number 10958

Method: NYSDOH 310.13

Comments: ND denotes Non Detect
ug / L = microgram per Liter
PHC = Petroleum Hydrocarbon

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PHC Analysis Report for Non-potable Water

Client: Day Environmental,Inc.

Client Job Site:	5 Hunt Rd Jamestown, NY	**Lab Project Number:**	05-2876
Client Job Number:	3566S-04	**Lab Sample Number:**	10420
Field Location:	MW-07	**Date Sampled:**	08/18/2005
Field ID Number:	N/A	**Date Received:**	08/19/2005
Sample Type:	Water	**Date Analyzed:**	08/25/2005

PHC Classification	Results in ug / L
Petroleum Hydrocarbon	ND< 500

ELAP Number 10958

Method: NYSDOH 310.13

Comments: ND denotes Non Detect
ug / L = microgram per Liter
PHC = Petroleum Hydrocarbon

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:	
COMPANY:	DAY ENVIRONMENTAL, INC	COMPANY:	SAME
ADDRESS:	40 Commercial St.	ADDRESS:	
CITY:	Rochester STATE: NY ZIP: 14614	CITY: STATE: ZIP:	
PHONE:	454 0210 FAX: 454 0825	PHONE: FAX:	
ATTN:	Ray Kumpff	ATTN:	
COMMENTS:			

LAB PROJECT #: 05-2876
CLIENT PROJECT #: 35635-04

TURNAROUND TIME: (WORKING DAYS)
STD ☒ 5 | ☐ 1 | ☐ 2 | ☐ 3 | OTHER ☐

PROJECT NAME/SITE NAME: 5 Hunt Rd, Jamestown, NY

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TPH 310.13	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	8/18/05	1056		X	PW-3	Water	1	X		10419
2	8/18/05	1122		X	MW-07	Water	1	X		10420
3										
4										
5										
6										
7										
8										
9										
10										

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type: Glass	Y ☑	N ☐
Preservation:	Y ☐	N ☐
Holding Time:	Y ☑	N ☐
Temperature: 12 °C	Y ☑	N ☐

Comments: ON ICE

Sampled By: [signature] Date/Time: 8/18/05 16:00

Relinquished By: [signature] Date/Time: 8/19/05 11:15 AM

Received By: [signature] Date/Time: 8/19/05 1123

Received @ Lab By: [signature] Date/Time:

Total Cost:

P.I.F.

MITKEM CORPORATION

"Environmental Testing For The New Millennium"

May 3, 2005

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Chris Davidson

RE: Client Project: 5 Hunt Road, Jamestown, NY
Lab Work Order #: D0410

Dear Mr. Danzinger:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project.

If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

Agnes R. Ng
CLP Project Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499 • www.mitkem.com

* Data Summary Pack *

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Identification and Analytical Requirements Summary

Project Name: **Jamestown** SDG: **D0410**

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOA GC/MS Method #	SVOA GC/MS Method #	Pest/PCB Method #	Metals	Other
BR311326	D0410-01	ASP				
BR417432	D0410-02	ASP				
BR547562	D0410-03	ASP				
BR677692	D0410-04	ASP				
BR807822	D0410-05	ASP				
BR937952	D0410-06	ASP				
TRIP-01	D0410-07	ASP				

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **Jamestown** SDG: **D0410**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0410-01A	AQ	4/7/05	4/8/05	NA	4/13/05; 4/14/05
D0410-01AMS	AQ	4/7/05	4/8/05	↓	4/13/05
D0410-01AMSD	AQ	4/7/05	4/8/05		4/13/05
D0410-02A	AQ	4/7/05	4/8/05		4/13/05; 4/14/05
D0410-03A	AQ	4/7/05	4/8/05		↓
D0410-04A	AQ	4/7/05	4/8/05		
D0410-05A	AQ	4/7/05	4/8/05		4/13/05; 4/14/05
D0410-06A	AQ	4/7/05	4/8/05	↓	4/14/05
D0410-07A	AQ	4/7/05	4/8/05	NA	4/13/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **Jamestown** SDG: **D0410**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
D0410-01A	AQ	ASP	NA	Low	1:50
D0410-01AMS	AQ	ASP	↓	↓	1
D0410-01AMSD	AQ	ASP			1
D0410-02A	AQ	ASP			1:80
D0410-03A	AQ	ASP			1:20
D0410-04A	AQ	ASP			1:3
D0410-05A	AQ	ASP			1:4
D0410-06A	AQ	ASP	↓	↓	1
D0410-07A	AQ	ASP	NA	Low	1

NYASP 10/95

Analytical Data Package for Day Environmental, Inc.

Client Project No.: 5 Hunt Road, Jamestown, NY

Mitkem Work Order ID: D0410

May 3, 2005

Prepared For:

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Jeff Danzinger

Prepared By:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Day Environmental Inc.'s 5 Hunt Road, Jamestown, NY project. Under this deliverable, analysis results are presented for seven aqueous samples that were received on April 8, 2005. Analyses were performed per specifications in the project's contract and the chain of custody forms. Sample Identifications were shortened where necessary due to limitations in data reporting software. Following the narrative is a table of sample identifications for cross-referencing full client sample ID, shortened client sample ID and laboratory sample ID, along with the Mitkem Work Order.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatiles Analysis:

Trap used for instrument V1: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

The aqueous sample was acid preserved, pH <2.

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample BR311326. Spike recoveries were within the QC limits with the exception of trichlorocthene in both the matrix spike and matrix spike duplicate. Replicate RPDs were not within the QC limits. The spike recovery for trichloroethene could not be accuratcly determined due to its high concentration in the native sample.

Sample analysis: due to high concentration of target analytes, the following samples were re-analyzed at dilution: BR311326 (50x), BR417432 (80x), BR547562 (20x), BR677692 (3x) and BR807822 (4x). Please note that the initial analyses for these samples have potential carryover. The diluted analyses do not have carryover. No other unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Agnes Ng
CLP Project Manager
05/03/05

*Mitkem and Client Sample ID Summary Report**

Mitkem Workorder: D0410

Client Name: Day Environmental, Inc

Mitkem Sample ID	*Reported Client Sample ID*	*Full Client Sample ID*
D0410-01A	BR311326	BR-01 (31.1-32.6')
D0410-02A	BR417432	BR-01 (41.7-43.2')
D0410-03A	BR547562	BR-01 (54.7-56.2')
D0410-04A	BR677692	BR-01 (67.7-69.2')
D0410-05A	BR807822	BR-01 (80.7-82.2')
D0410-06A	BR937952	BR-01 (93.7-95.2')
D0410-07A	TRIP-01	

** If client sample ID has not been truncated, the full client sample ID is listed in the column labeled "Reported Client Sample ID"*

Mitkem Corporation

11/Apr/05 14:41

WorkOrder: D0410

Client ID: DAY
Project: Jamestown
Location:
Comments: N/A

Case:
SDG:
PO: 3563S-05

Report Level: ASP-B
EDD:
HC Due: 04/29/05
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage
D0410-01A	BR311326	04/07/05 11:00	04/08/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☑	☐	VOA
D0410-02A	BR417432	04/07/05 11:05	04/08/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0410-03A	BR547562	04/07/05 11:10	04/08/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0410-04A	BR677692	04/07/05 11:15	04/08/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0410-05A	BR807822	04/07/05 11:20	04/08/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0410-06A	BR937952	04/07/05 11:25	04/08/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0410-07A	TRIP-01	04/07/05 00:00	04/08/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA

Client Rep: Agnes R Ng

0005

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR311326

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7917

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	320	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	41	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	12	
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	3	J
156-59-2	cis-1,2-Dichloroethene	1600	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR311326

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7917

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	3000	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	5300	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BR311326

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7917

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
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29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR311326DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7926

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	500	U
74-87-3	Chloromethane	500	U
75-01-4	Vinyl Chloride	260	DJ
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	500	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	500	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	500	U
79-20-9	Methyl Acetate	500	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
1634-04-4	Methyl tert-Butyl Ether	500	U
75-34-3	1,1-Dichloroethane	500	U
156-59-2	cis-1,2-Dichloroethene	1700	D
78-93-3	2-Butanone	500	U
67-66-3	Chloroform	500	U
71-55-6	1,1,1-Trichloroethane	500	U
110-82-7	Cyclohexane	500	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	500	U
107-06-2	1,2-Dichloroethane	500	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR311326DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7926

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	3400	D
108-87-2	Methylcyclohexane	500	U
78-87-5	1,2-Dichloropropane	500	U
75-27-4	Bromodichloromethane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	7100	D
591-78-6	2-Hexanone	500	U
124-48-1	Dibromochloromethane	500	U
106-93-4	1,2-Dibromoethane	500	U
108-90-7	Chlorobenzene	500	U
100-41-4	Ethylbenzene	500	U
1330-20-7	Xylene (Total)	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
98-82-8	Isopropylbenzene	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
95-50-1	1,2-Dichlorobenzene	500	U
96-12-8	1,2-Dibromo-3-chloropropane	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BR311326DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7926

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR311326MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01AMS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7918

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	310	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	85	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	13	
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	4	J
156-59-2	cis-1,2-Dichloroethene	1600	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	45	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR311326MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01AMS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7918

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	2900	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	47	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	5200	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	47	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR311326MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01AMSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7919

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	320	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	100	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	12	
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	3	J
156-59-2	cis-1,2-Dichloroethene	1600	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	61	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR311326MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01AMSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7919

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	2900	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	62	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	5100	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	63	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR417432

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7920

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	340	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	44	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	14	
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	4	J
156-59-2	cis-1,2-Dichloroethene	1700	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR417432

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7920

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	3100	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	1	J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	6300	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

BR417432

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7920

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR417432DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7927

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 80.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	800	U
74-87-3	Chloromethane	800	U
75-01-4	Vinyl Chloride	280	DJ
74-83-9	Bromomethane	800	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	800	U
75-35-4	1,1-Dichloroethene	800	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	800	U
67-64-1	Acetone	800	U
75-15-0	Carbon Disulfide	800	U
79-20-9	Methyl Acetate	800	U
75-09-2	Methylene Chloride	800	U
156-60-5	trans-1,2-Dichloroethene	800	U
1634-04-4	Methyl tert-Butyl Ether	800	U
75-34-3	1,1-Dichloroethane	800	U
156-59-2	cis-1,2-Dichloroethene	1700	D
78-93-3	2-Butanone	800	U
67-66-3	Chloroform	800	U
71-55-6	1,1,1-Trichloroethane	800	U
110-82-7	Cyclohexane	800	U
56-23-5	Carbon Tetrachloride	800	U
71-43-2	Benzene	800	U
107-06-2	1,2-Dichloroethane	800	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR417432DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7927

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 80.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	3300	D
108-87-2	Methylcyclohexane	800	U
78-87-5	1,2-Dichloropropane	800	U
75-27-4	Bromodichloromethane	800	U
10061-01-5	cis-1,3-Dichloropropene	800	U
108-10-1	4-Methyl-2-Pentanone	800	U
108-88-3	Toluene	800	U
10061-02-6	trans-1,3-Dichloropropene	800	U
79-00-5	1,1,2-Trichloroethane	800	U
127-18-4	Tetrachloroethene	10000	D
591-78-6	2-Hexanone	800	U
124-48-1	Dibromochloromethane	800	U
106-93-4	1,2-Dibromoethane	800	U
108-90-7	Chlorobenzene	800	U
100-41-4	Ethylbenzene	800	U
1330-20-7	Xylene (Total)	800	U
100-42-5	Styrene	800	U
75-25-2	Bromoform	800	U
98-82-8	Isopropylbenzene	800	U
79-34-5	1,1,2,2-Tetrachloroethane	800	U
541-73-1	1,3-Dichlorobenzene	800	U
106-46-7	1,4-Dichlorobenzene	800	U
95-50-1	1,2-Dichlorobenzene	800	U
96-12-8	1,2-Dibromo-3-chloropropane	800	U
120-82-1	1,2,4-Trichlorobenzene	800	U

1F

EPA SAMPLE NO.

BR417432DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7927

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 80.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR547562

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7921

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	150	
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	19	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	6	J
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	2	J
156-59-2	cis-1,2-Dichloroethene	830	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	1	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	2	J
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR547562

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7921

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	1500	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	2600	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BR547562

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7921

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR547562DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-03ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7928

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl Chloride	140	DJ
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	21	DJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	200	U
67-64-1	Acetone	200	U
75-15-0	Carbon Disulfide	200	U
79-20-9	Methyl Acetate	200	U
75-09-2	Methylene Chloride	200	U
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-Butyl Ether	200	U
75-34-3	1,1-Dichloroethane	200	U
156-59-2	cis-1,2-Dichloroethene	910	D
78-93-3	2-Butanone	200	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon Tetrachloride	200	U
71-43-2	Benzene	200	U
107-06-2	1,2-Dichloroethane	200	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR547562DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-03ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7928

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	1600	D
108-87-2	Methylcyclohexane	200	U
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-Pentanone	200	U
108-88-3	Toluene	200	U
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	2900	D
591-78-6	2-Hexanone	200	U
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	200	U
100-41-4	Ethylbenzene	200	U
1330-20-7	Xylene (Total)	200	U
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
98-82-8	Isopropylbenzene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
96-12-8	1,2-Dibromo-3-chloropropane	200	U
120-82-1	1,2,4-Trichlorobenzene	200	U

1F

EPA SAMPLE NO.

BR547562DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-03ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7928

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR677692

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7922

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	21	
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	2	J
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	3	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	4	J
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	380	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	2	J
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR677692

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7922

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	210	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	270	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BR677692

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7922

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR677692DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-04ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7929

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 3.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	30	U
74-87-3	Chloromethane	30	U
75-01-4	Vinyl Chloride	21	DJ
74-83-9	Bromomethane	30	U
75-00-3	Chloroethane	30	U
75-69-4	Trichlorofluoromethane	30	U
75-35-4	1,1-Dichloroethene	30	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	30	U
67-64-1	Acetone	30	U
75-15-0	Carbon Disulfide	30	U
79-20-9	Methyl Acetate	30	U
75-09-2	Methylene Chloride	30	U
156-60-5	trans-1,2-Dichloroethene	3	DJ
1634-04-4	Methyl tert-Butyl Ether	30	U
75-34-3	1,1-Dichloroethane	30	U
156-59-2	cis-1,2-Dichloroethene	420	D
78-93-3	2-Butanone	30	U
67-66-3	Chloroform	30	U
71-55-6	1,1,1-Trichloroethane	30	U
110-82-7	Cyclohexane	30	U
56-23-5	Carbon Tetrachloride	30	U
71-43-2	Benzene	30	U
107-06-2	1,2-Dichloroethane	30	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR677692DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-04ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7929

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 3.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	200	D
108-87-2	Methylcyclohexane	30	U
78-87-5	1,2-Dichloropropane	30	U
75-27-4	Bromodichloromethane	30	U
10061-01-5	cis-1,3-Dichloropropene	30	U
108-10-1	4-Methyl-2-Pentanone	30	U
108-88-3	Toluene	30	U
10061-02-6	trans-1,3-Dichloropropene	30	U
79-00-5	1,1,2-Trichloroethane	30	U
127-18-4	Tetrachloroethene	230	D
591-78-6	2-Hexanone	30	U
124-48-1	Dibromochloromethane	30	U
106-93-4	1,2-Dibromoethane	30	U
108-90-7	Chlorobenzene	30	U
100-41-4	Ethylbenzene	30	U
1330-20-7	Xylene (Total)	30	U
100-42-5	Styrene	30	U
75-25-2	Bromoform	30	U
98-82-8	Isopropylbenzene	30	U
79-34-5	1,1,2,2-Tetrachloroethane	30	U
541-73-1	1,3-Dichlorobenzene	30	U
106-46-7	1,4-Dichlorobenzene	30	U
95-50-1	1,2-Dichlorobenzene	30	U
96-12-8	1,2-Dibromo-3-chloropropane	30	U
120-82-1	1,2,4-Trichlorobenzene	30	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BR677692DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-04ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7929

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 3.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR807822

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7923

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	17	
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	7	J
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	2	J
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	440	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	3	J
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR807822

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7923

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	47	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	190	
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BR807822

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7923

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR807822DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-05ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7930

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	40	U
74-87-3	Chloromethane	40	U
75-01-4	Vinyl Chloride	17	DJ
74-83-9	Bromomethane	40	U
75-00-3	Chloroethane	8	DJ
75-69-4	Trichlorofluoromethane	40	U
75-35-4	1,1-Dichloroethene	40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	40	U
67-64-1	Acetone	40	U
75-15-0	Carbon Disulfide	40	U
79-20-9	Methyl Acetate	40	U
75-09-2	Methylene Chloride	40	U
156-60-5	trans-1,2-Dichloroethene	40	U
1634-04-4	Methyl tert-Butyl Ether	40	U
75-34-3	1,1-Dichloroethane	40	U
156-59-2	cis-1,2-Dichloroethene	490	D
78-93-3	2-Butanone	40	U
67-66-3	Chloroform	40	U
71-55-6	1,1,1-Trichloroethane	40	U
110-82-7	Cyclohexane	40	U
56-23-5	Carbon Tetrachloride	40	U
71-43-2	Benzene	40	U
107-06-2	1,2-Dichloroethane	40	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR807822DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-05ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7930

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	43	D
108-87-2	Methylcyclohexane	40	U
78-87-5	1,2-Dichloropropane	40	U
75-27-4	Bromodichloromethane	40	U
10061-01-5	cis-1,3-Dichloropropene	40	U
108-10-1	4-Methyl-2-Pentanone	40	U
108-88-3	Toluene	40	U
10061-02-6	trans-1,3-Dichloropropene	40	U
79-00-5	1,1,2-Trichloroethane	40	U
127-18-4	Tetrachloroethene	170	D
591-78-6	2-Hexanone	40	U
124-48-1	Dibromochloromethane	40	U
106-93-4	1,2-Dibromoethane	40	U
108-90-7	Chlorobenzene	40	U
100-41-4	Ethylbenzene	40	U
1330-20-7	Xylene (Total)	40	U
100-42-5	Styrene	40	U
75-25-2	Bromoform	40	U
98-82-8	Isopropylbenzene	40	U
79-34-5	1,1,2,2-Tetrachloroethane	40	U
541-73-1	1,3-Dichlorobenzene	40	U
106-46-7	1,4-Dichlorobenzene	40	U
95-50-1	1,2-Dichlorobenzene	40	U
96-12-8	1,2-Dibromo-3-chloropropane	40	U
120-82-1	1,2,4-Trichlorobenzene	40	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BR807822DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-05ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7930

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR937952

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7925

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	3	J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	1	J
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	27	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	5	J
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR937952

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7925

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	18	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	96	
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

BR937952

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7925

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7916

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7916

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TRIP-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7916

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2QLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: LCS-17654

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7915

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	57	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	58	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2QLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: LCS-17654

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7915

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	59	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	59	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	60	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2TLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: LCS-17666

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7924

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	55	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	53	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2TLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: LCS-17666

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7924

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	51	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	54	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK2Q	98	99	104		0
02	V2QLCS	96	95	104		0
03	TRIP-01	98	100	98		0
04	BR311326	94	98	103		0
05	BR311326MS	92	97	99		0
06	BR311326MSD	94	94	101		0
07	BR417432	99	100	98		0
08	BR547562	103	97	96		0
09	BR677692	97	95	96		0
10	BR807822	89	90	93		0
11	VBLK2T	105	96	106		0
12	V2TLCS	104	91	107		0
13	BR937952	97	91	96		0
14	BR311326DL	104	96	108		0
15	BR417432DL	105	100	102		0
16	BR547562DL	104	97	107		0
17	BR677692DL	103	96	103		0
18	BR807822DL	101	97	103		0
19	VHBLK2T	102	92	103		0
20						
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23						
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		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(88-110)
SMC2 (BFB)	= Bromofluorobenzene	(86-115)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix Spike - EPA Sample No.: BR311326

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	41	85	88	61-145
Trichloroethene	50	3000	2900	-200*	71-120
Benzene	50	0.0	45	90	76-127
Toluene	50	0.0	47	94	76-125
Chlorobenzene	50	0.0	47	94	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	100	118	29*	14	61-145
Trichloroethene	50	2900	-200*	0	14	71-120
Benzene	50	61	122	30*	11	76-127
Toluene	50	62	124	28*	13	76-125
Chlorobenzene	50	63	126	29*	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 4 out of 5 outside limits
Spike Recovery: 2 out of 10 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix Spike - Sample No.: V2QLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		57	114	61-145
Trichloroethene	50		59	118	71-120
Benzene	50		58	116	76-127
Toluene	50		59	118	76-125
Chlorobenzene	50		60	120	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix Spike - Sample No.: V2TLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE AMOUNT (ug/L)	LCS AMOUNT (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		55	110	61-145
Trichloroethene	50		51	102	71-120
Benzene	50		53	106	76-127
Toluene	50		53	106	76-125
Chlorobenzene	50		54	108	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Lab File ID: V2G7914 Lab Sample ID: MB-17654

Date Analyzed: 04/13/05 Time Analyzed: 1246

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V2QLCS	LCS-17654	V2G7915	1324
02	TRIP-01	D0410-07A	V2G7916	1412
03	BR311326	D0410-01A	V2G7917	1437
04	BR311326MS	D0410-01AMS	V2G7918	1503
05	BR311326MSD	D0410-01AMSD	V2G7919	1528
06	BR417432	D0410-02A	V2G7920	1554
07	BR547562	D0410-03A	V2G7921	1620
08	BR677692	D0410-04A	V2G7922	1645
09	BR807822	D0410-05A	V2G7923	1711
10				
11				
12				
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COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: MB-17654

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7914

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: MB-17654

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7914

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VBLK2Q

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: MB-17654

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7914

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
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4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Lab File ID: V2G7923 Lab Sample ID: MB-17666

Date Analyzed: 04/14/05 Time Analyzed: 1241

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V2TLCS	LCS-17666	V2G7924	1327
02	BR937952	D0410-06A	V2G7925	1406
03	BR311326DL	D0410-01ADL	V2G7926	1435
04	BR417432DL	D0410-02ADL	V2G7927	1503
05	BR547562DL	D0410-03ADL	V2G7928	1531
06	BR677692DL	D0410-04ADL	V2G7929	1601
07	BR807822DL	D0410-05ADL	V2G7930	1627
08	VHBLK2T	VHBLK2T	V2G7932	1718
09				
10				
11				
12				
13				
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29				
30				

COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: MB-17666

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7923

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: MB-17666

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7923

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK2T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: MB-17666

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7923

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: ~~17666.0~~ 1.0 5/3/05

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK2T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: VHBLK2T

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7932

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK2T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: VHBLK2T

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7932

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VHBLK2T

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: VHBLK2T

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7932

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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6.					
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8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

EPA Sample No. (VSTD050##): VSTD0502Q Date Analyzed: 04/13/05

Lab File ID (Standard): V2G7911 Time Analyzed: 1046

Instrument ID: V2 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	204532	5.60	921600	6.72	687011	10.32
	UPPER LIMIT	409064	6.10	1843200	7.22	1374022	10.82
	LOWER LIMIT	102266	5.10	460800	6.22	343506	9.82
	EPA SAMPLE						
01	VBLK2Q	191400	5.60	866450	6.72	636593	10.31
02	V2QLCS	190595	5.60	865559	6.72	648332	10.31
03	TRIP-01	188337	5.61	863692	6.71	606736	10.31
04	BR311326	177118	5.60	812664	6.72	614119	10.31
05	BR311326MS	184411	5.60	859988	6.72	638320	10.31
06	BR311326MSD	179578	5.60	841433	6.72	624440	10.31
07	BR417432	173895	5.60	759755	6.71	568335	10.31
08	BR547562	191379	5.60	844042	6.72	625501	10.31
09	BR677692	201666	5.60	855337	6.72	649035	10.31
10	BR807822	199311	5.60	868612	6.71	654897	10.31
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

EPA Sample No. (VSTD050##): VSTD0502T Date Analyzed: 04/14/05

Lab File ID (Standard): V2G7922 Time Analyzed: 1202

Instrument ID: V2 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	224805	5.59	1012963	6.71	772848	10.31
	UPPER LIMIT	449610	6.09	2025926	7.21	1545696	10.81
	LOWER LIMIT	112403	5.09	506482	6.21	386424	9.81
	EPA SAMPLE						
01	VBLK2T	217434	5.60	981358	6.71	692593	10.31
02	V2TLCS	206086	5.59	962738	6.71	689943	10.30
03	BR937952	228167	5.59	1008396	6.71	723968	10.30
04	BR311326DL	206369	5.59	895879	6.70	673793	10.30
05	BR417432DL	210965	5.59	918437	6.70	663528	10.30
06	BR547562DL	200532	5.59	879699	6.70	666054	10.30
07	BR677692DL	211271	5.59	925446	6.70	682755	10.30
08	BR807822DL	210319	5.59	943996	6.70	705865	10.30
09	VHBLK2T	209057	5.59	947694	6.70	687320	10.30
10							
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15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Identification and Analytical Requirements Summary

Project Name: **Jamestown** SDG: **D0410**

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOA GC/MS Method #	SVOA GC/MS Method #	Pest/PCB Method #	Metals	Other
BR311326	D0410-01	ASP				
BR417432	D0410-02	ASP				
BR547562	D0410-03	ASP				
BR677692	D0410-04	ASP				
BR807822	D0410-05	ASP				
BR937952	D0410-06	ASP				
TRIP-01	D0410-07	ASP				

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **Jamestown** SDG: **D0410**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0410-01A	AQ	4/7/05	4/8/05	NA	4/13/05; 4/14/05
D0410-01AMS	AQ	4/7/05	4/8/05		4/13/05
D0410-01AMSD	AQ	4/7/05	4/8/05		4/13/05
D0410-02A	AQ	4/7/05	4/8/05		4/13/05; 4/14/05
D0410-03A	AQ	4/7/05	4/8/05		
D0410-04A	AQ	4/7/05	4/8/05		
D0410-05A	AQ	4/7/05	4/8/05		4/13/05; 4/14/05
D0410-06A	AQ	4/7/05	4/8/05		4/14/05
D0410-07A	AQ	4/7/05	4/8/05	NA	4/13/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **Jamestown** SDG: **D0410**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
D0410-01A	AQ	ASP	NA	LOW	1:50
D0410-01AMS	AQ	ASP	↓	↓	1
D0410-01AMSD	AQ	ASP	↓	↓	1
D0410-02A	AQ	ASP	↓	↓	1:80
D0410-03A	AQ	ASP	↓	↓	1:20
D0410-04A	AQ	ASP	↓	↓	1:3
D0410-05A	AQ	ASP	↓	↓	1:4
D0410-06A	AQ	ASP	↓	↓	1
D0410-07A	AQ	ASP	NA	LOW	1

NYASP 10/95

Analytical Data Package for Day Environmental, Inc.

Client Project No.: 5 Hunt Road, Jamestown, NY

Mitkem Work Order ID: D0410

May 3, 2005

Prepared For:

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Jeff Danzinger

Prepared By:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Day Environmental Inc.'s 5 Hunt Road, Jamestown, NY project. Under this deliverable, analysis results are presented for seven aqueous samples that were received on April 8, 2005. Analyses were performed per specifications in the project's contract and the chain of custody forms. Sample Identifications were shortened where necessary due to limitations in data reporting software. Following the narrative is a table of sample identifications for cross-referencing full client sample ID, shortened client sample ID and laboratory sample ID, along with the Mitkem Work Order.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatiles Analysis:

Trap used for instrument V1: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

The aqueous sample was acid preserved, pH <2.

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample BR311326. Spike recoveries were within the QC limits with the exception of trichloroethene in both the matrix spike and matrix spike duplicate. Replicate RPDs were not within the QC limits. The spike recovery for trichloroethene could not be accurately determined due to its high concentration in the native sample.

Sample analysis: due to high concentration of target analytes, the following samples were re-analyzed at dilution: BR311326 (50x), BR417432 (80x), BR547562 (20x), BR677692 (3x) and BR807822 (4x). Please note that the initial analyses for these samples have potential carryover. The diluted analyses do not have carryover. No other unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Agnes Ng
CLP Project Manager
05/03/05

*Mitkem and Client Sample ID Summary Report**

Mitkem Workorder: D0410

Client Name: Day Environmental, Inc

Mitkem Sample ID	*Reported Client Sample ID*	*Full Client Sample ID*
D0410-01A	BR311326	BR-01 (31.1-32.6')
D0410-02A	BR417432	BR-01 (41.7-43.2')
D0410-03A	BR547562	BR-01 (54.7-56.2')
D0410-04A	BR677692	BR-01 (67.7-69.2')
D0410-05A	BR807822	BR-01 (80.7-82.2')
D0410-06A	BR937952	BR-01 (93.7-95.2')
D0410-07A	TRIP-01	

** If client sample ID has not been truncated, the full client sample ID is listed in the column labeled "Reported Client Sample ID"*

Client ID: DAY
Project: Jamestown
Location:
Comments: N/A

Case:
SDG:
PO: 3563S-05

Report Level: ASP-B
EDD:
HC Due: 04/29/05
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage
D0410-01A	BR311326	04/07/05 11:00	04/08/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS		☑		VOA
D0410-02A	BR417432	04/07/05 11:05	04/08/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS				VOA
D0410-03A	BR547562	04/07/05 11:10	04/08/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS				VOA
D0410-04A	BR677692	04/07/05 11:15	04/08/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS				VOA
D0410-05A	BR807822	04/07/05 11:20	04/08/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS				VOA
D0410-06A	BR937952	04/07/05 11:25	04/08/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS				VOA
D0410-07A	TRIP-01	04/07/05 00:00	04/08/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS				VOA

Client Rep: Agnes R Ng

0005

Sample Transmittal Documentation

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO			INVOICE TO		
COMPANY Day Environmental Inc.	PHONE (585) 454-0210		COMPANY SAME	PHONE	LAB PROJECT #: D0410
NAME Ray Kampff	FAX (585) 454-0825		NAME	FAX	
ADDRESS 40 Commercial Street			ADDRESS		TURNAROUND TIME: STANDARD
CITY/ST/ZIP Rochester New York 14614			CITY/ST/ZIP		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
5 HUNT ROAD, JAMESTOWN, NY	35635-05	35635-05

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: TCL VOCs ASP OLM04.2	COMMENTS
BR-01 (31.1-32.6')	4/7/05 / 1100		X	X			01	6	X	Please run MS/MSD
BR-01 (41.7-43.2')	4/7/05 / 1105		X	X			02	2	X	
BR-01 (54.7-56.2')	4/7/05 / 1110		X	X			03	2	X	
BR-01 (67.7-69.2')	4/7/05 / 1115		X	X			04	2	X	
BR-01 (80.7-82.2')	4/7/05 / 1120		X	X			05	2	X	
BR-01 (93.7-95.2')	4/7/05 / 1125		X	X			06	2	X	
TRIP-01	4/7/05 /						07	1	X	
	/									
	/									
	/									
	/									
	/									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	[signature]	4/7/05 / 1530	FEDEX	4/7/05 / 1530	Please report in category B data deliverables	5°C
		/	[signature]	4/8/05 / 845		
		/		/		

0007

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION
Sample Condition Form

Received By: ARN | Reviewed By: JoH | Date: 4/8/05 | MITKEM Project #: D0410

Client Project: Jamestown | Client: Day

Cooler Sealed (Yes) / No

1) Custody Seal(s) (Present) / Absent
(Coolers) / Bottles
(Intact) / Broken

2) Custody Seal Number(s) NA

3) Chain-of-Custody (Present) / Absent

4) Cooler Temperature 5°C
Coolant Condition Ice

5) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx
850764707927

6) Sample Bottles (Intact)/Broken/Leakin

7) Date Received 4/8/05

8) Time Received 845

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
D0410	01					H	
	02						
	03						
	04						
	05						
	06						
D0410	07					H	

VOA Matrix Key:
US = Unpreserved Soil **A** = Air
UA = Unpreserved Aqueo **H** = HCl
M/N= MeOH & $NaHSO_4$ **E** = Encore
N = $NaHSO_4$ **M** =MeOH

See Sample Condition Notification/Corrective Action Form yes / (no)

Rad OK yes/ no

Form ID: SampleCond.Form-11/04

MITKEM CORPORATION

* Volatiles *

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK2Q	98	99	104		0
02	V2QLCS	96	95	104		0
03	TRIP-01	98	100	98		0
04	BR311326	94	98	103		0
05	BR311326MS	92	97	99		0
06	BR311326MSD	94	94	101		0
07	BR417432	99	100	98		0
08	BR547562	103	97	96		0
09	BR677692	97	95	96		0
10	BR807822	89	90	93		0
11	VBLK2T	105	96	106		0
12	V2TLCS	104	91	107		0
13	BR937952	97	91	96		0
14	BR311326DL	104	96	108		0
15	BR417432DL	105	100	102		0
16	BR547562DL	104	97	107		0
17	BR677692DL	103	96	103		0
18	BR807822DL	101	97	103		0
19	VHBLK2T	102	92	103		0
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix Spike - EPA Sample No.: BR311326

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	41	85	88	61-145
Trichloroethene	50	3000	2900	-200*	71-120
Benzene	50	0.0	45	90	76-127
Toluene	50	0.0	47	94	76-125
Chlorobenzene	50	0.0	47	94	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	100	118	29*	14	61-145
Trichloroethene	50	2900	-200*	0	14	71-120
Benzene	50	61	122	30*	11	76-127
Toluene	50	62	124	28*	13	76-125
Chlorobenzene	50	63	126	29*	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 4 out of 5 outside limits
Spike Recovery: 2 out of 10 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix Spike - Sample No.: V2QLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		57	114	61-145
Trichloroethene	50		59	118	71-120
Benzene	50		58	116	76-127
Toluene	50		59	118	76-125
Chlorobenzene	50		60	120	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix Spike - Sample No.: V2TLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE AMOUNT (ug/L)	LCS AMOUNT (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		55	110	61-145
Trichloroethene	50		51	102	71-120
Benzene	50		53	106	76-127
Toluene	50		53	106	76-125
Chlorobenzene	50		54	108	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK2Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Lab File ID: V2G7914 Lab Sample ID: MB-17654

Date Analyzed: 04/13/05 Time Analyzed: 1246

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V2QLCS	LCS-17654	V2G7915	1324
02	TRIP-01	D0410-07A	V2G7916	1412
03	BR311326	D0410-01A	V2G7917	1437
04	BR311326MS	D0410-01AMS	V2G7918	1503
05	BR311326MSD	D0410-01AMSD	V2G7919	1528
06	BR417432	D0410-02A	V2G7920	1554
07	BR547562	D0410-03A	V2G7921	1620
08	BR677692	D0410-04A	V2G7922	1645
09	BR807822	D0410-05A	V2G7923	1711
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29				
30				

COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Lab File ID: V2G7923 Lab Sample ID: MB-17666

Date Analyzed: 04/14/05 Time Analyzed: 1241

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V2TLCS	LCS-17666	V2G7924	1327
02	BR937952	D0410-06A	V2G7925	1406
03	BR311326DL	D0410-01ADL	V2G7926	1435
04	BR417432DL	D0410-02ADL	V2G7927	1503
05	BR547562DL	D0410-03ADL	V2G7928	1531
06	BR677692DL	D0410-04ADL	V2G7929	1601
07	BR807822DL	D0410-05ADL	V2G7930	1627
08	VHBLK2T	VHBLK2T	V2G7932	1718
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COMMENTS: _____

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Lab File ID: V2G7900 BFB Injection Date: 04/12/05

Instrument ID: V2 BFB Injection Time: 1621

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	24.5
75	30.0 - 66.0% of mass 95	55.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	90.8
175	4.0 - 9.0% of mass 174	7.5 (8.2)1
176	93.0 - 101.0% of mass 174	90.3 (99.4)1
177	5.0 - 9.0% of mass 176	5.9 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0502P	VSTD0502P	V2G7901	04/12/05	1652
02	VSTD0102P	VSTD0102P	V2G7902	04/12/05	1718
03	VSTD2002P	VSTD2002P	V2G7903	04/12/05	1744
04	VSTD1002P	VSTD1002P	V2G7904	04/12/05	1810
05	VSTD0202P	VSTD0202P	V2G7905	04/12/05	1836
06					
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22					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Lab File ID: V2G7910 BFB Injection Date: 04/13/05

Instrument ID: V2 BFB Injection Time: 1024

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.3
75	30.0 - 66.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	85.7
175	4.0 - 9.0% of mass 174	6.6 (7.7)1
176	93.0 - 101.0% of mass 174	83.2 (97.1)1
177	5.0 - 9.0% of mass 176	5.6 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0502Q	VSTD0502Q	V2G7911	04/13/05	1046
02	VBLK2Q	MB-17654	V2G7914	04/13/05	1246
03	V2QLCS	LCS-17654	V2G7915	04/13/05	1324
04	TRIP-01	D0410-07A	V2G7916	04/13/05	1412
05	BR311326	D0410-01A	V2G7917	04/13/05	1437
06	BR311326MS	D0410-01AMS	V2G7918	04/13/05	1503
07	BR311326MSD	D0410-01AMSD	V2G7919	04/13/05	1528
08	BR417432	D0410-02A	V2G7920	04/13/05	1554
09	BR547562	D0410-03A	V2G7921	04/13/05	1620
10	BR677692	D0410-04A	V2G7922	04/13/05	1645
11	BR807822	D0410-05A	V2G7923	04/13/05	1711
12					
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19					
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21					
22					

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Lab File ID: V2G7920 BFB Injection Date: 04/14/05

Instrument ID: V2 BFB Injection Time: 1040

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.8
75	30.0 - 66.0% of mass 95	51.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	78.6
175	4.0 - 9.0% of mass 174	6.1 (7.7)1
176	93.0 - 101.0% of mass 174	77.0 (97.9)1
177	5.0 - 9.0% of mass 176	5.2 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0502T	VSTD0502T	V2G7922	04/14/05	1202
02	VBLK2T	MB-17666	V2G7923	04/14/05	1241
03	V2TLCS	LCS-17666	V2G7924	04/14/05	1327
04	BR937952	D0410-06A	V2G7925	04/14/05	1406
05	BR311326DL	D0410-01ADL	V2G7926	04/14/05	1435
06	BR417432DL	D0410-02ADL	V2G7927	04/14/05	1503
07	BR547562DL	D0410-03ADL	V2G7928	04/14/05	1531
08	BR677692DL	D0410-04ADL	V2G7929	04/14/05	1601
09	BR807822DL	D0410-05ADL	V2G7930	04/14/05	1627
10	VHBLK2T	VHBLK2T	V2G7932	04/14/05	1718
11					
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17					
18					
19					
20					
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22					

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

EPA Sample No. (VSTD050##): VSTD0502Q Date Analyzed: 04/13/05

Lab File ID (Standard): V2G7911 Time Analyzed: 1046

Instrument ID: V2 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	204532	5.60	921600	6.72	687011	10.32
	UPPER LIMIT	409064	6.10	1843200	7.22	1374022	10.82
	LOWER LIMIT	102266	5.10	460800	6.22	343506	9.82
	EPA SAMPLE						
01	VBLK2Q	191400	5.60	866450	6.72	636593	10.31
02	V2QLCS	190595	5.60	865559	6.72	648332	10.31
03	TRIP-01	188337	5.61	863692	6.71	606736	10.31
04	BR311326	177118	5.60	812664	6.72	614119	10.31
05	BR311326MS	184411	5.60	859988	6.72	638320	10.31
06	BR311326MSD	179578	5.60	841433	6.72	624440	10.31
07	BR417432	173895	5.60	759755	6.71	568335	10.31
08	BR547562	191379	5.60	844042	6.72	625501	10.31
09	BR677692	201666	5.60	855337	6.72	649035	10.31
10	BR807822	199311	5.60	868612	6.71	654897	10.31
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

EPA Sample No. (VSTD050##): VSTD0502T Date Analyzed: 04/14/05

Lab File ID (Standard): V2G7922 Time Analyzed: 1202

Instrument ID: V2 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#
	12 HOUR STD	224805		5.59		1012963		6.71		772848		10.31	
	UPPER LIMIT	449610		6.09		2025926		7.21		1545696		10.81	
	LOWER LIMIT	112403		5.09		506482		6.21		386424		9.81	
	EPA SAMPLE												
01	VBLK2T	217434		5.60		981358		6.71		692593		10.31	
02	V2TLCS	206086		5.59		962738		6.71		689943		10.30	
03	BR937952	228167		5.59		1008396		6.71		723968		10.30	
04	BR311326DL	206369		5.59		895879		6.70		673793		10.30	
05	BR417432DL	210965		5.59		918437		6.70		663528		10.30	
06	BR547562DL	200532		5.59		879699		6.70		666054		10.30	
07	BR677692DL	211271		5.59		925446		6.70		682755		10.30	
08	BR807822DL	210319		5.59		943996		6.70		705865		10.30	
09	VHBLK2T	209057		5.59		947694		6.70		687320		10.30	
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR311326

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7917

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	320	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	41	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	12	
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	3	J
156-59-2	cis-1,2-Dichloroethene	1600	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR311326

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7917

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	3000	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	5300	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BR311326

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7917

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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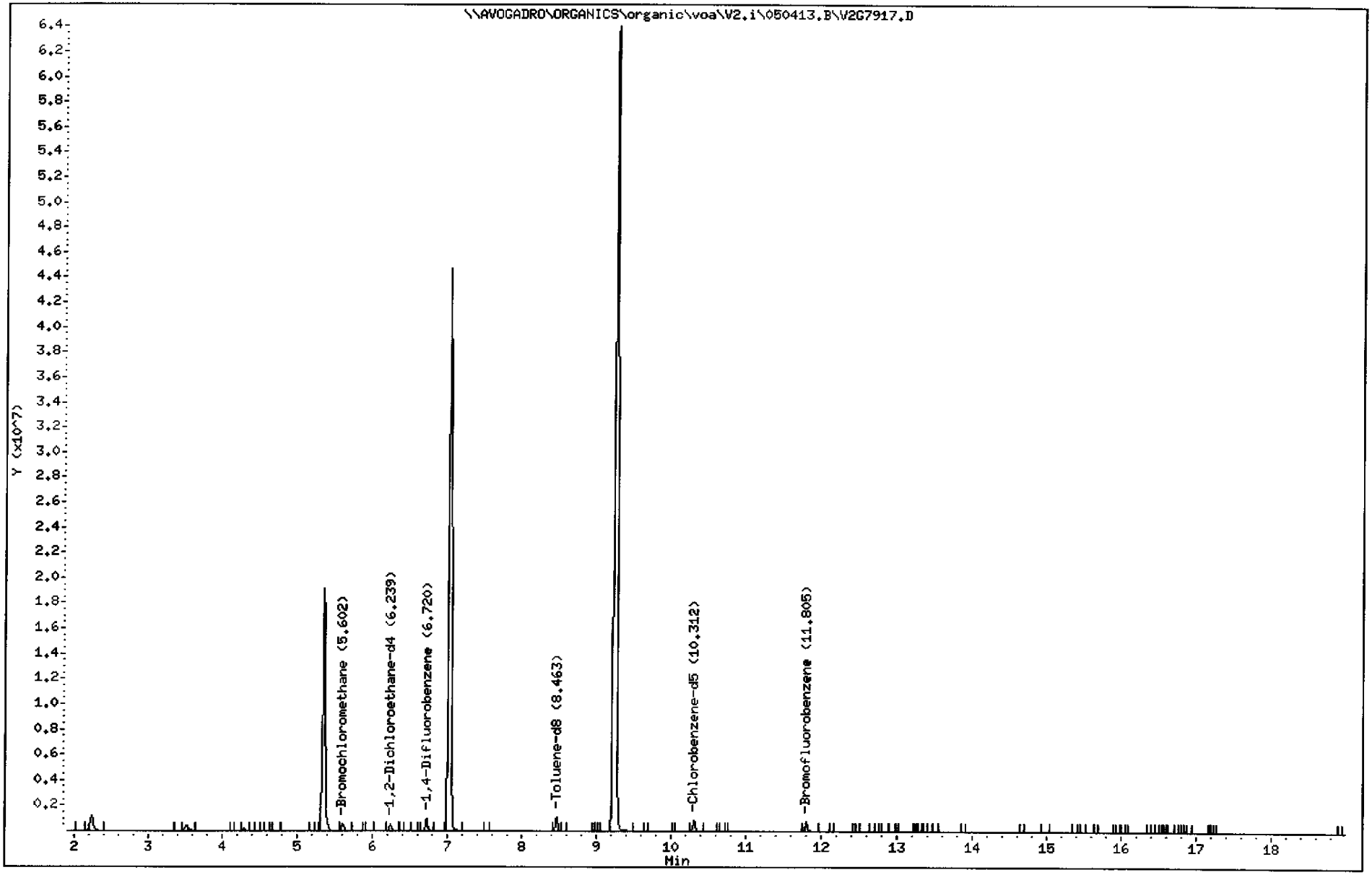
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7917.D
Date : 13-APR-2005 14:37
Client ID: BR311326
Instrument: V2.i
Sample Info: ,D0410-01A,,17654
Purge Volume: 5.0
Operator: JC SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



0024

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7917.D
Report Date: 03-May-2005 11:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7917.D
Lab Smp Id: D0410-01A Client Smp ID: BR311326
Inj Date : 13-APR-2005 14:37
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-01A,,17654
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D ✓
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	3 Vinyl Chloride	62	2.230	2.219	(0.398)	2016287	321.119	320(A)
	7 1,1-Dichloroethene	96	3.503	3.514	(0.625)	231775	41.0361	41
	13 trans-1,2-Dichloroethene	96	4.287	4.286	(0.765)	71180	11.6095	12
	15 1,1-Dichloroethane	63	4.725	4.725	(0.843)	32713	3.16742	3(a)
	17 cis-1,2-Dichloroethene	96	5.341	5.351	(0.953)	9060314	1613.88	1600(A)
*	18 Bromochloromethane	128	5.602	5.602	(1.000)	177118	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.239	6.239	(1.114)	491922	51.2628	51
*	26 1,4-Difluorobenzene	114	6.720	6.719	(1.000)	812664	50.0000	
	27 Trichloroethene	130	7.022	7.022	(1.045)	15814682	3020.85	3000(A)
$	33 Toluene-d8	98	8.463	8.463	(0.821)	800407	46.9637	47
	37 Tetrachloroethene	164	9.246	9.236	(0.897)	20762767	5300.73	5300(A)
*	42 Chlorobenzene-d5	117	10.312	10.322	(1.000)	614119	50.0000	
$	50 Bromofluorobenzene	95	11.805	11.804	(1.145)	336117	49.1419	49

SB 5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7917.D
Report Date: 03-May-2005 11:48

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7917.D
Report Date: 03-May-2005 11:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7917.D
Lab Smp Id: D0410-01A Client Smp ID: BR311326
Inj Date : 13-APR-2005 14:37
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-01A,,17654
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7917.D

Date : 13-APR-2005 14:37

Client ID: BR311326

Instrument: V2.i

Sample Info: ,D0410-01A,,17654

Purge Volume: 5.0

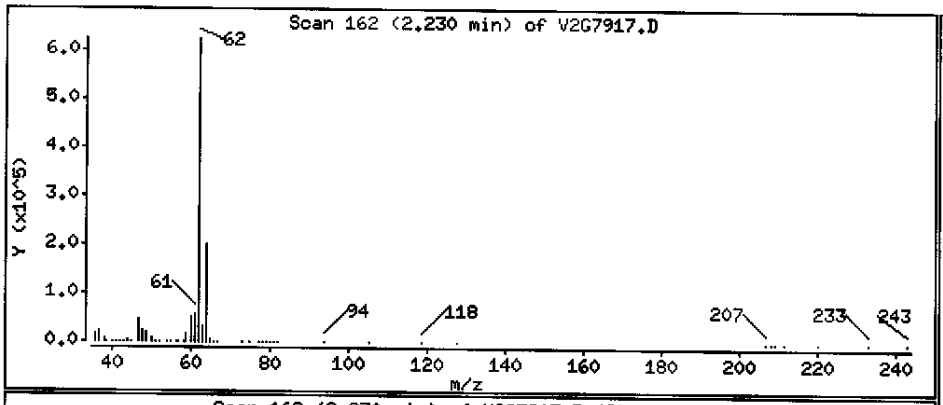
Operator: JC SRC: LIMS

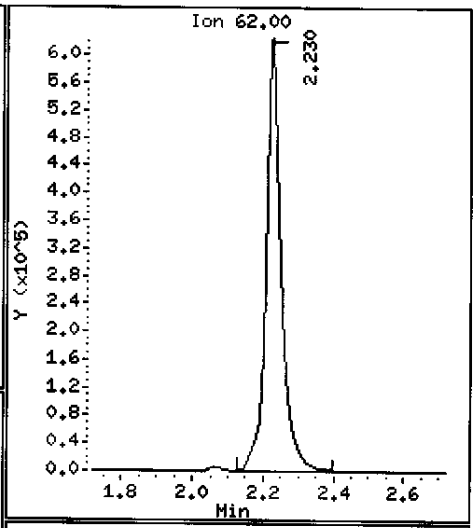
Column phase: DB-624

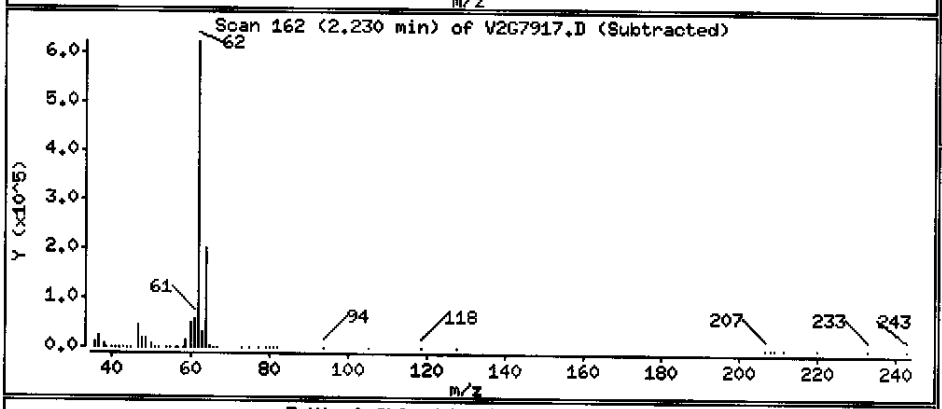
Column diameter: 0.25

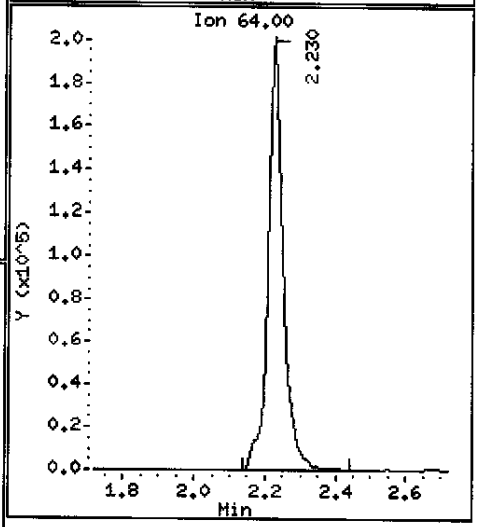
3 Vinyl Chloride

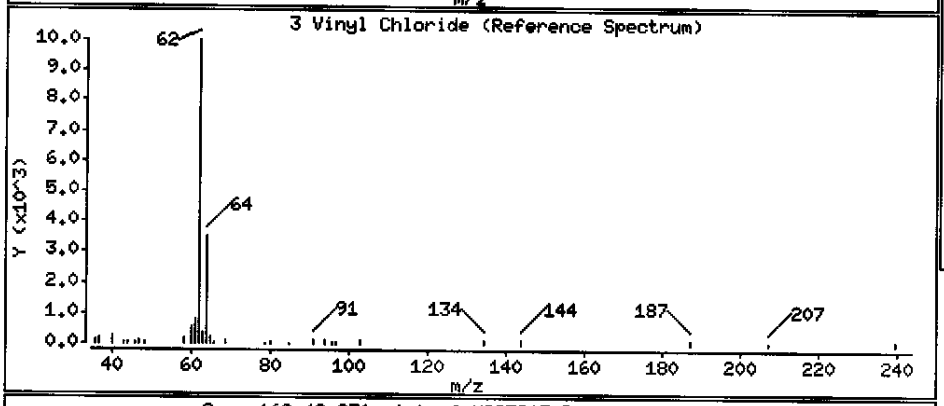
Concentration: 320 ug/L

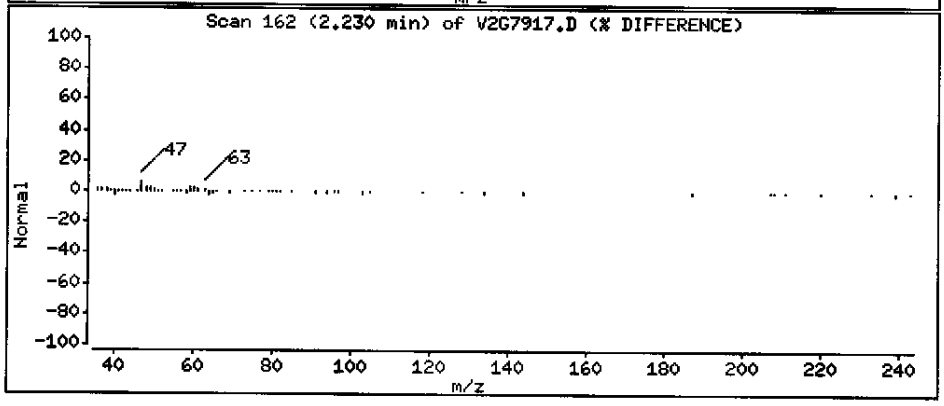












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2C7917.D

Date : 13-APR-2005 14:37

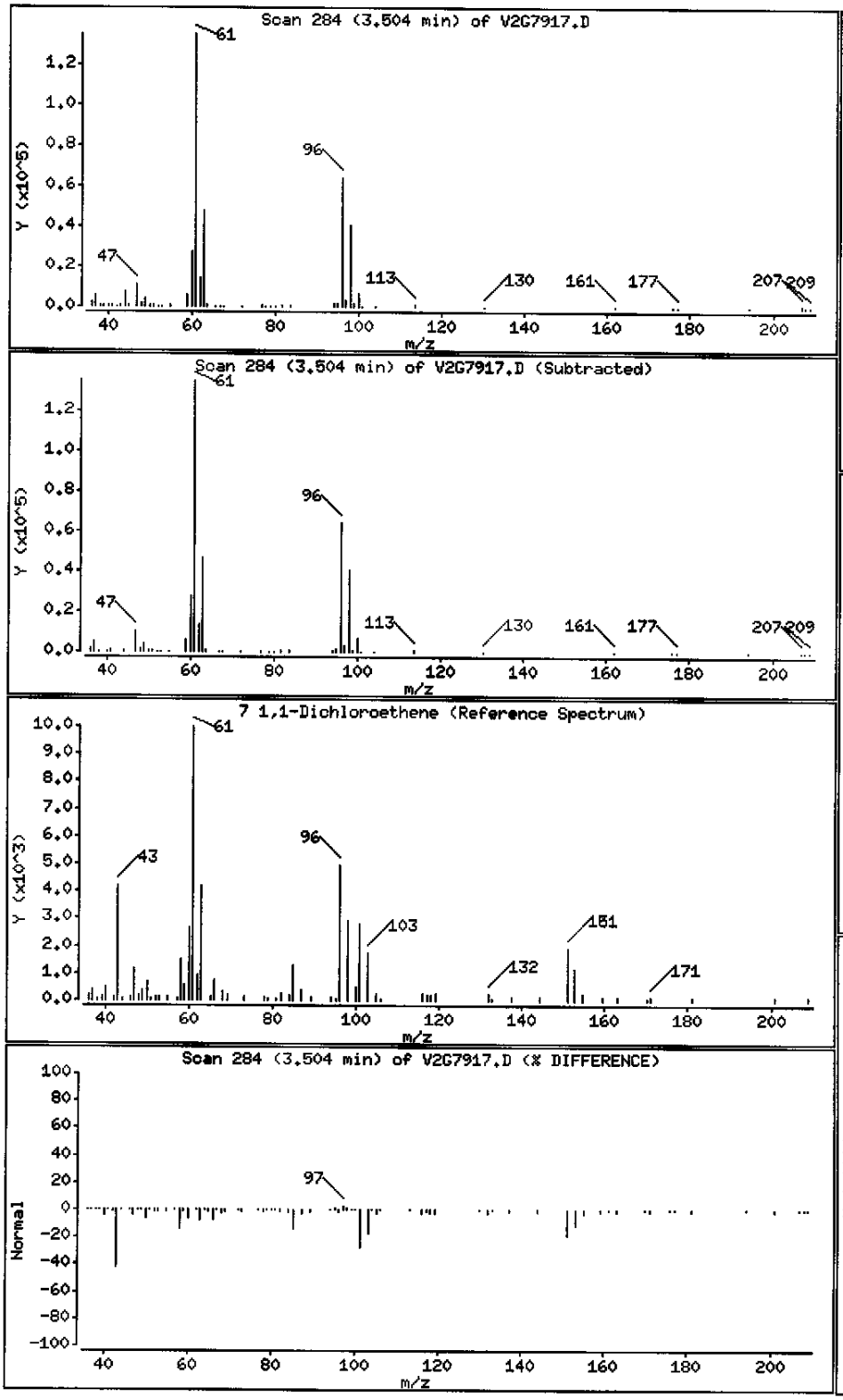
Client ID: BR311326 Instrument: V2.i

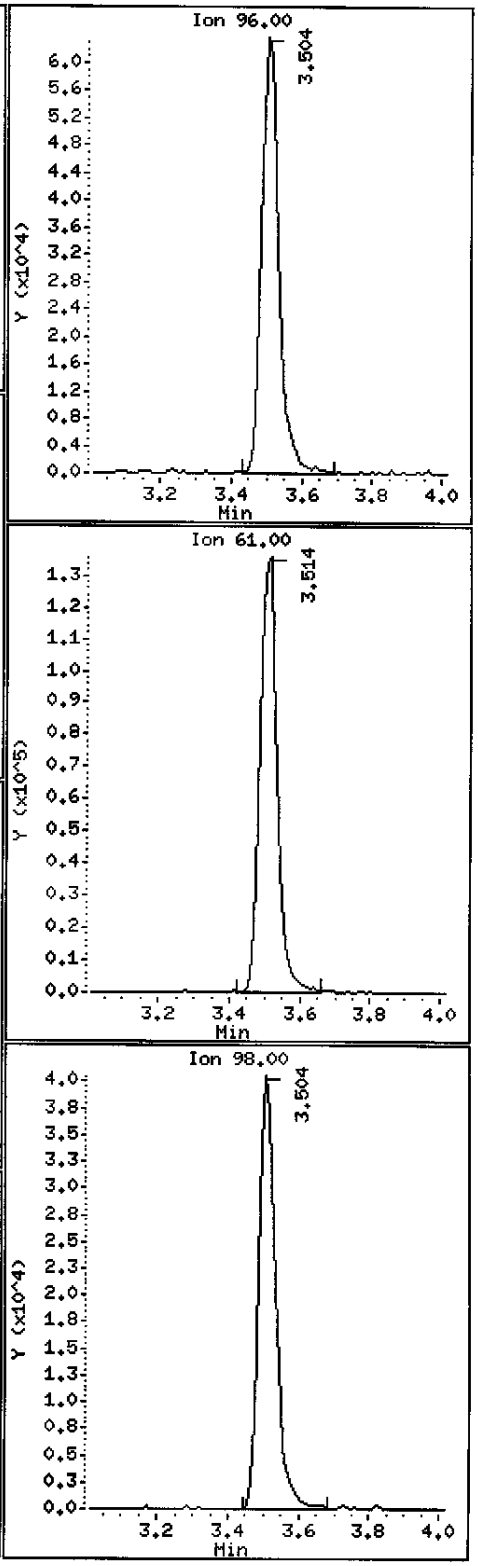
Sample Info: ,D0410-01A,,17654

Purge Volume: 5.0 Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

7 1,1-Dichloroethene Concentration: 41 ug/L





0029

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7917.D

Date : 13-APR-2005 14:37

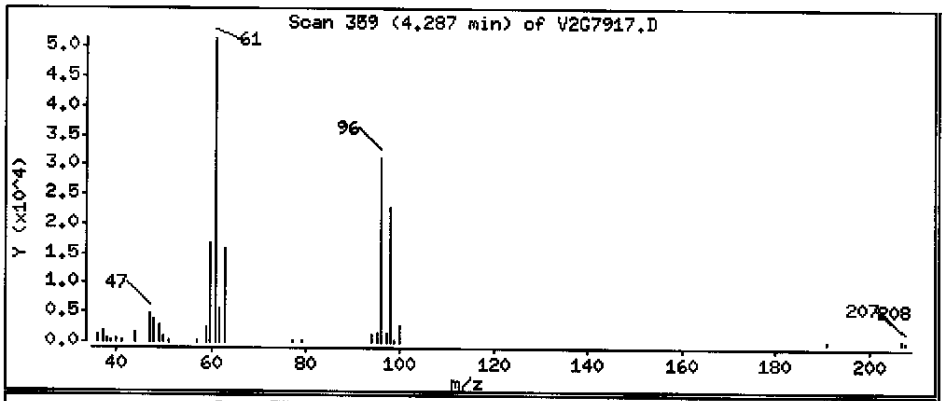
Client ID: BR311326 Instrument: V2.i

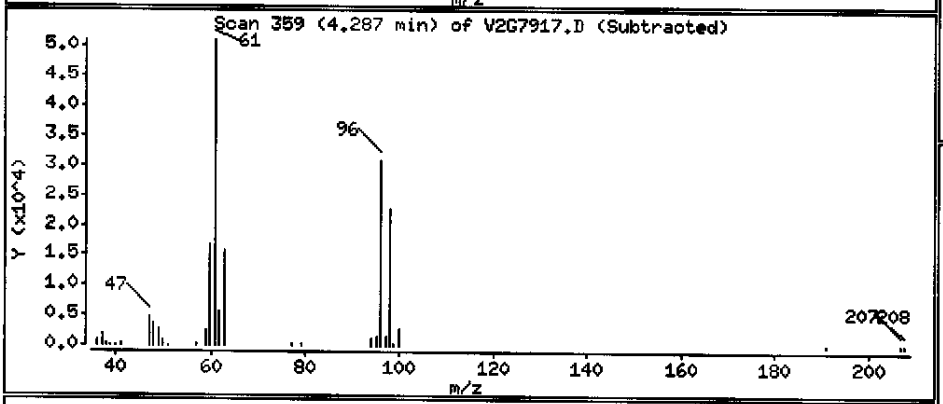
Sample Info: ,D0410-01A,,17654

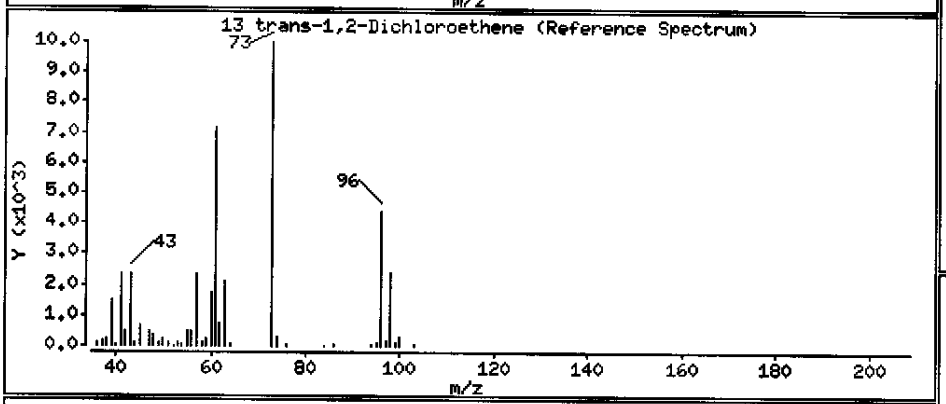
Purge Volume: 5.0 Operator: JC SRC: LIMS

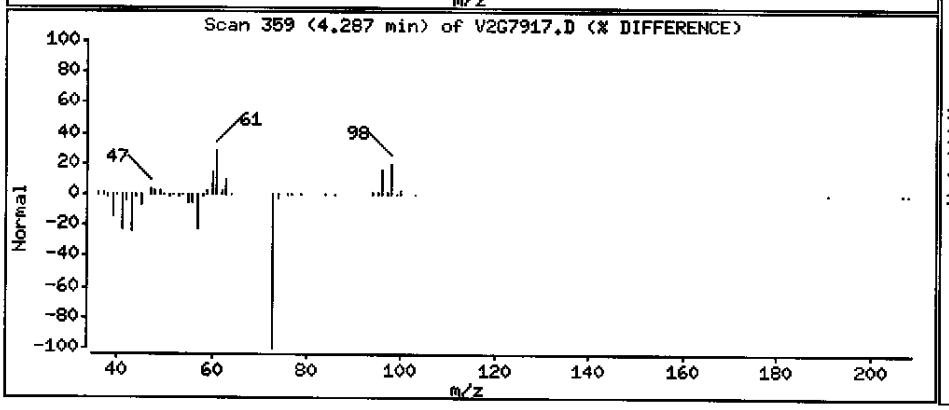
Column phase: DB-624 Column diameter: 0.25

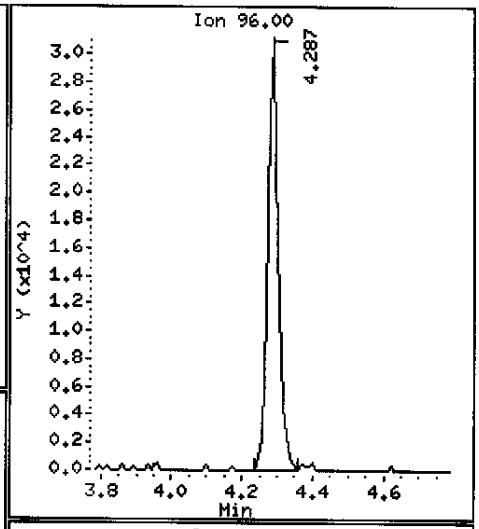
13 trans-1,2-Dichloroethene Concentration: 12 ug/L

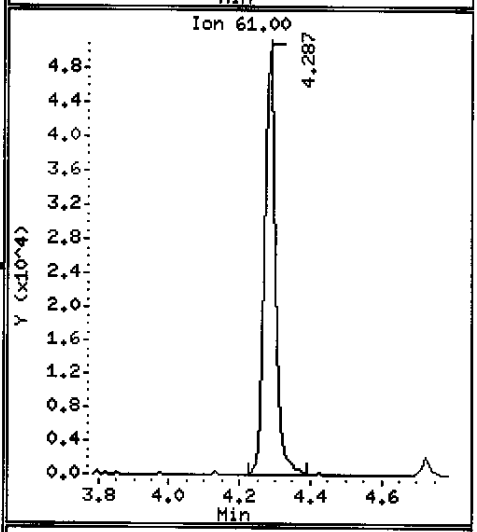


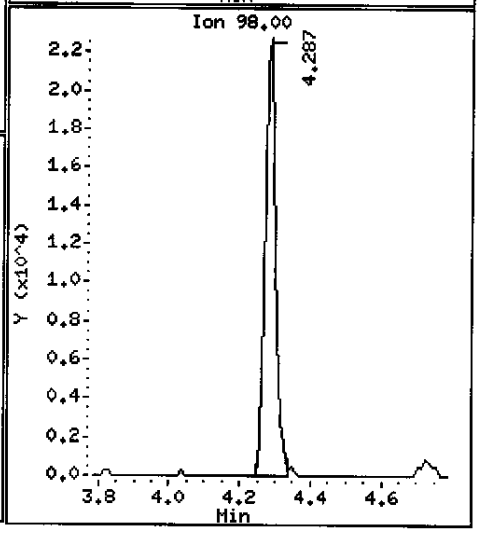












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7917.D

Date : 13-APR-2005 14:37

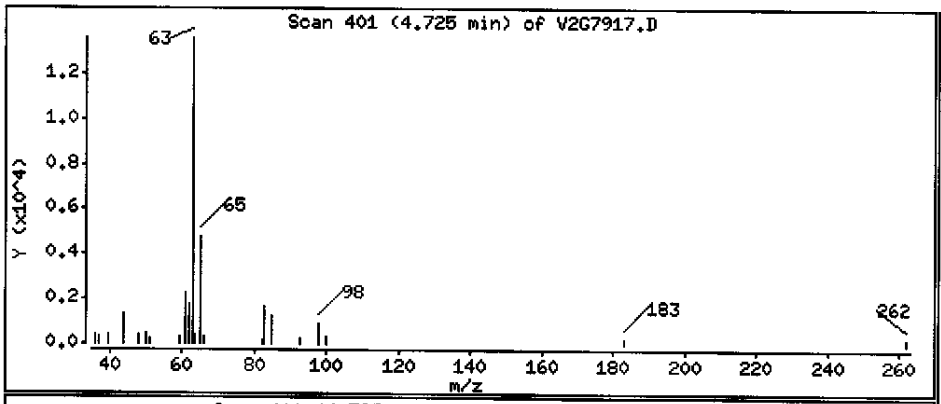
Client ID: BR311326 Instrument: V2.i

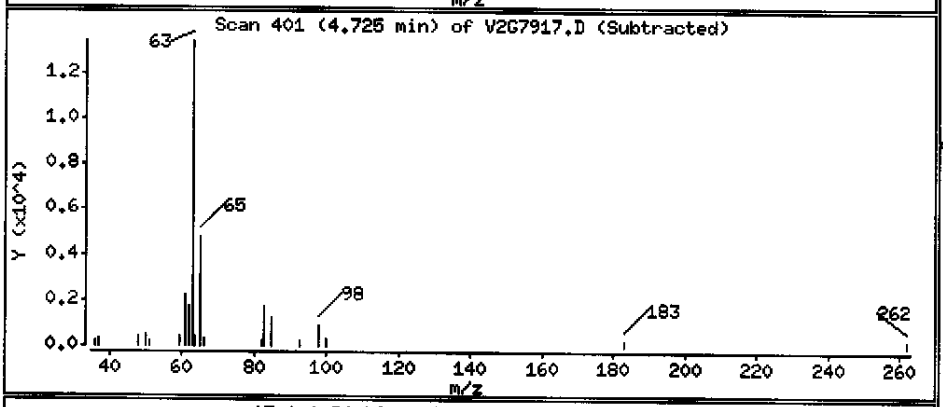
Sample Info: ,D0410-01A,,17654

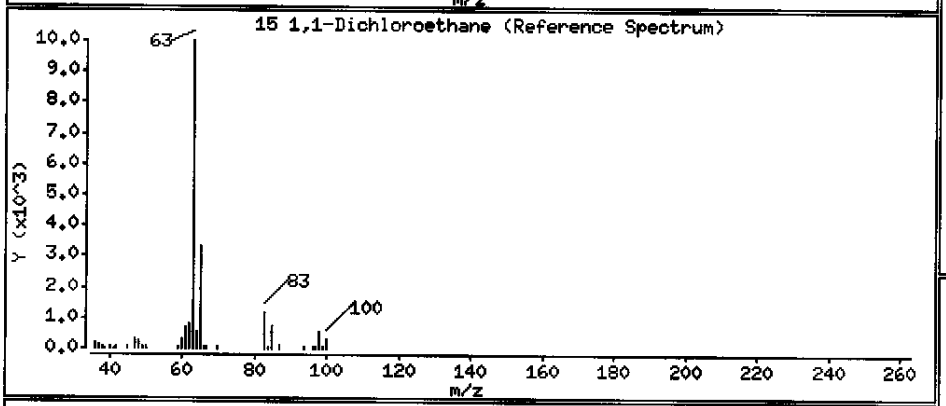
Purge Volume: 5.0 Operator: JC SRC: LIMS

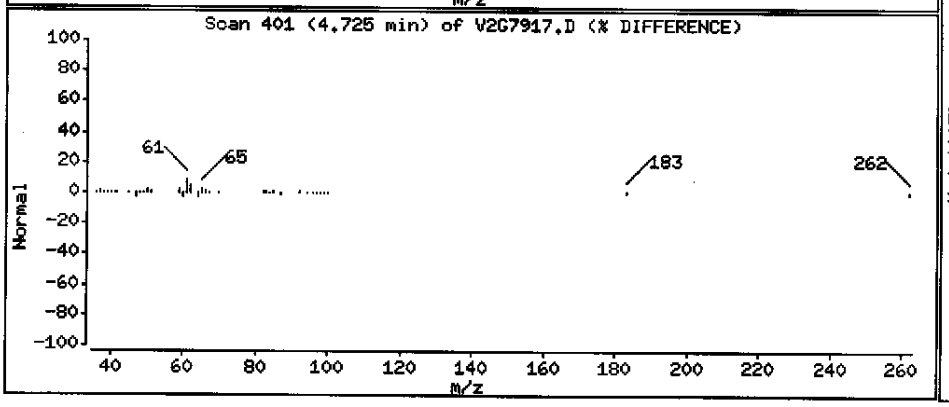
Column phase: DB-624 Column diameter: 0.25

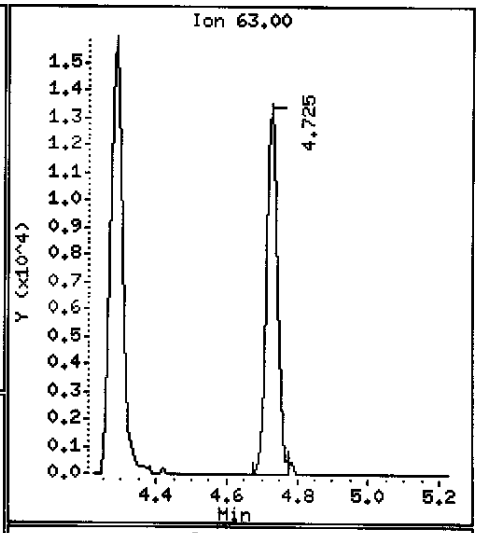
15 1,1-Dichloroethane Concentration: 3 ug/L

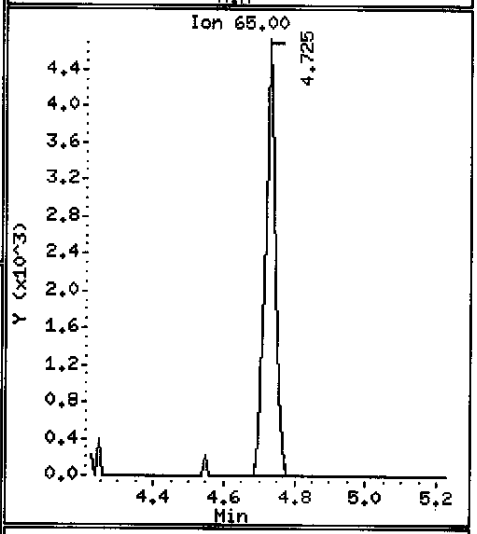


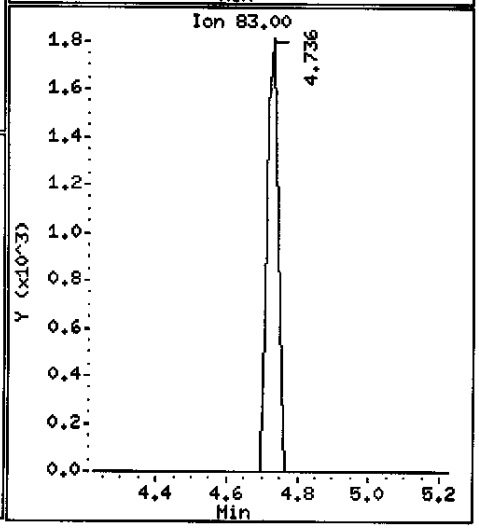












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7917.D

Date : 13-APR-2005 14:37

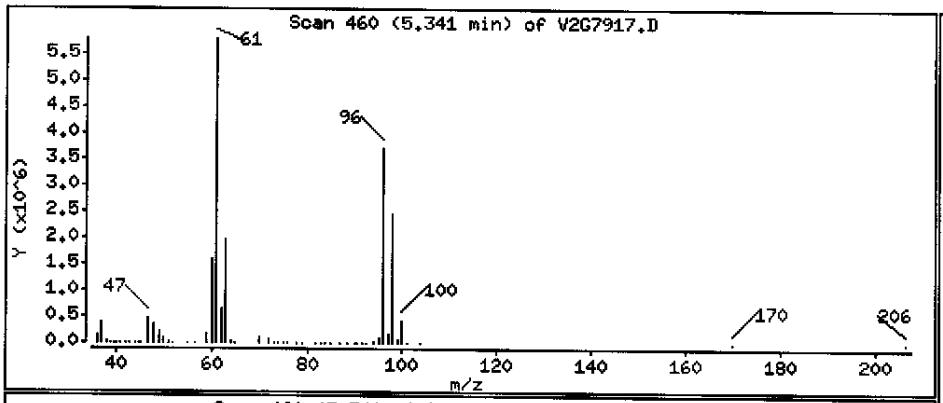
Client ID: BR311326 Instrument: V2.i

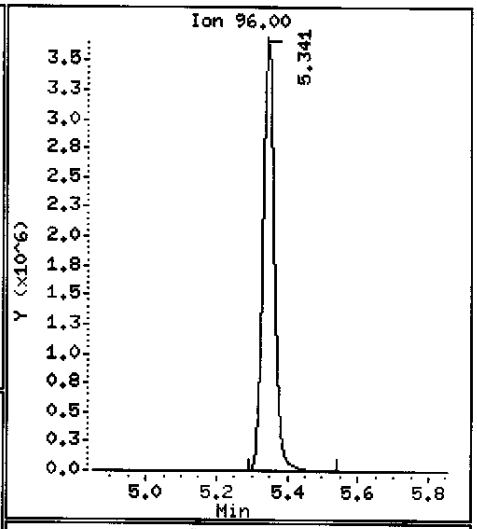
Sample Info: ,D0410-01A,,17654

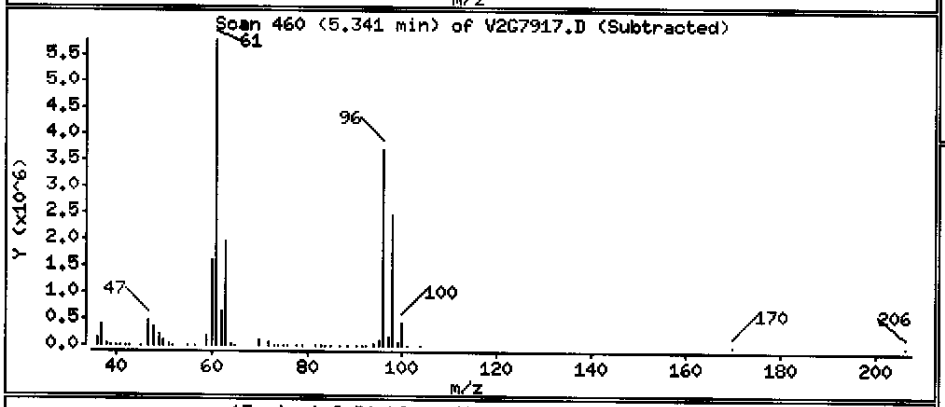
Purge Volume: 5.0 Operator: JC SRC: LIMS

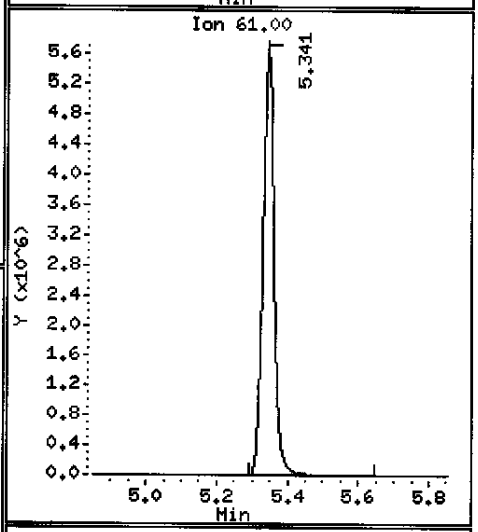
Column phase: DB-624 Column diameter: 0.25

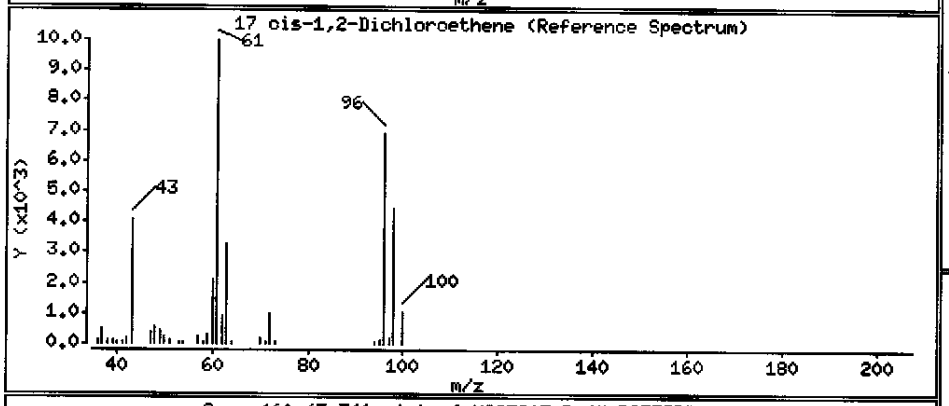
17 cis-1,2-Dichloroethene Concentration: 1600 ug/L

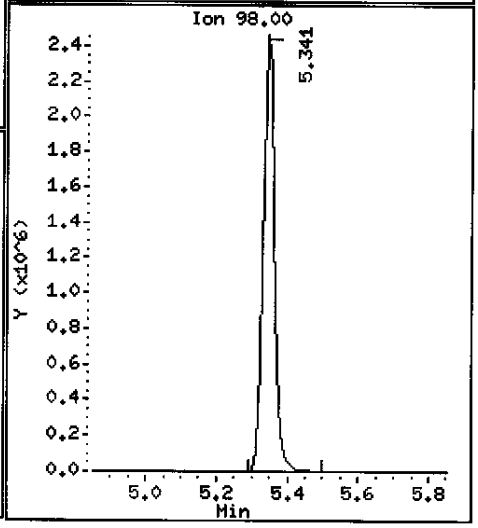


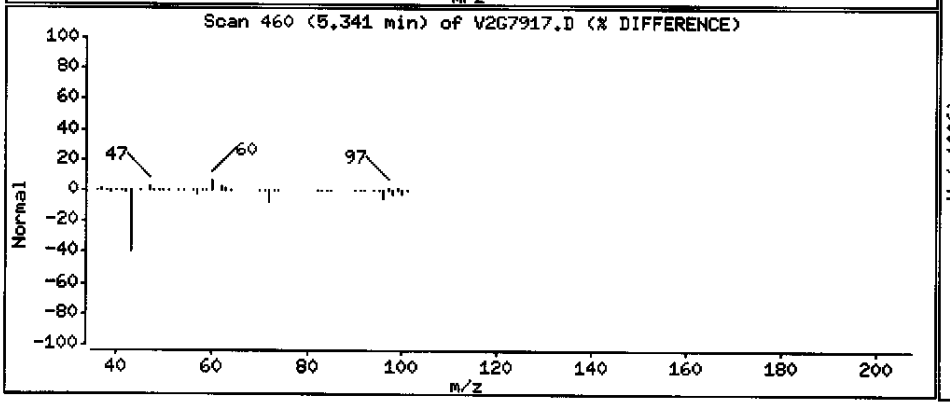












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7917.D

Date : 13-APR-2005 14:37

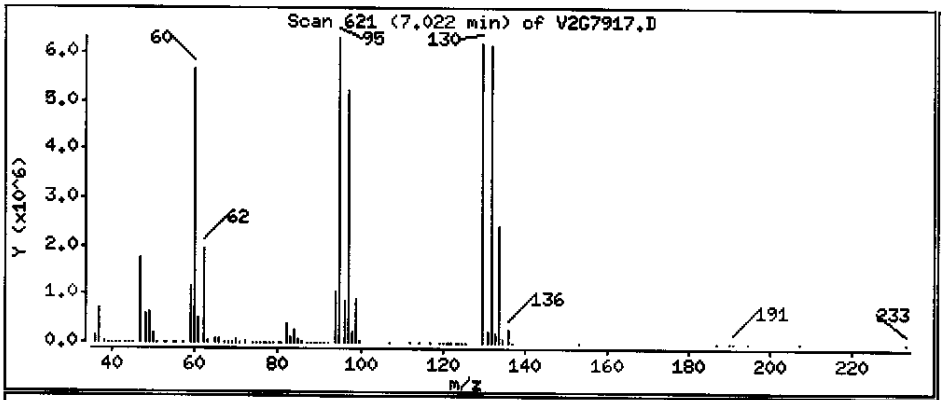
Client ID: BR311326 Instrument: V2.i

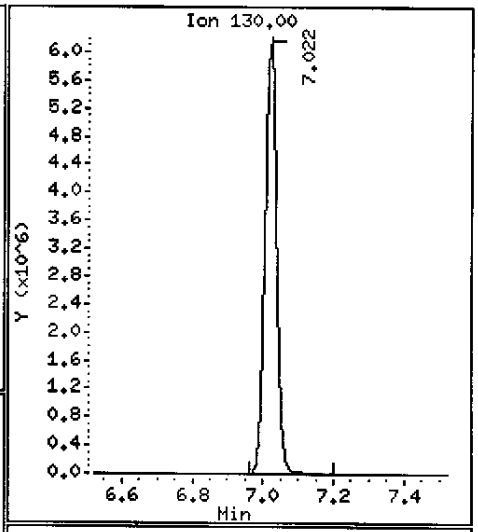
Sample Info: ,D0410-01A,,17654

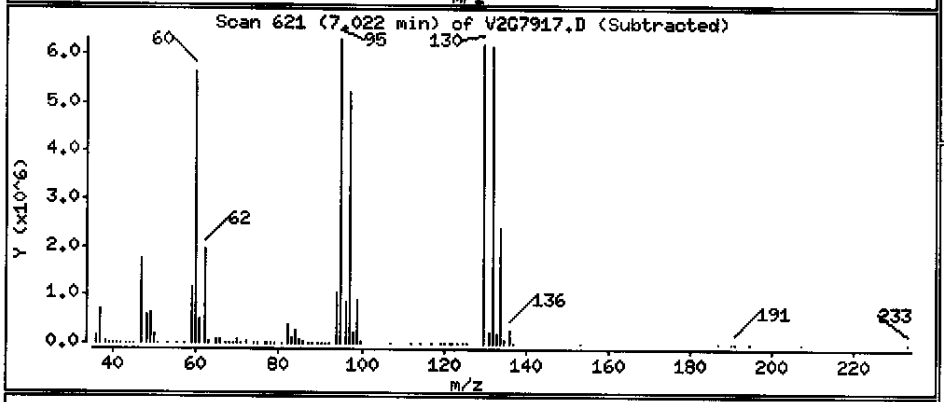
Purge Volume: 5.0 Operator: JC SRC: LIMS

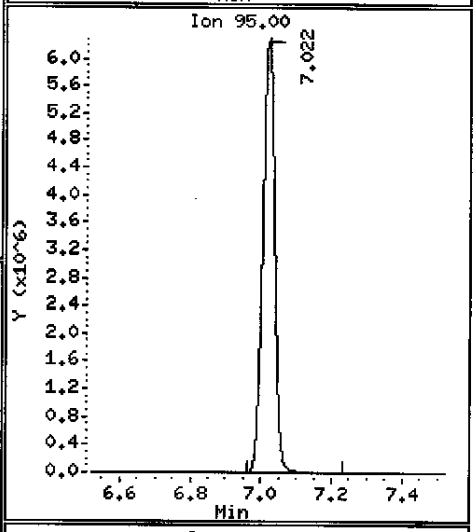
Column phase: DB-624 Column diameter: 0.25

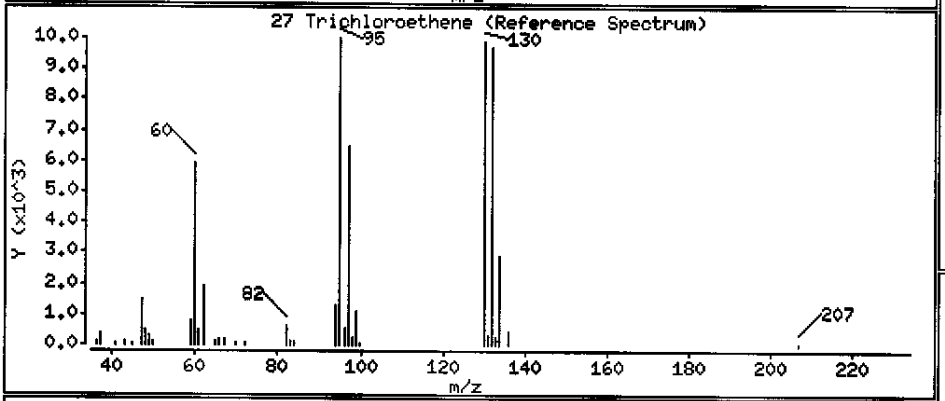
27 Trichloroethene Concentration: 3000 ug/L

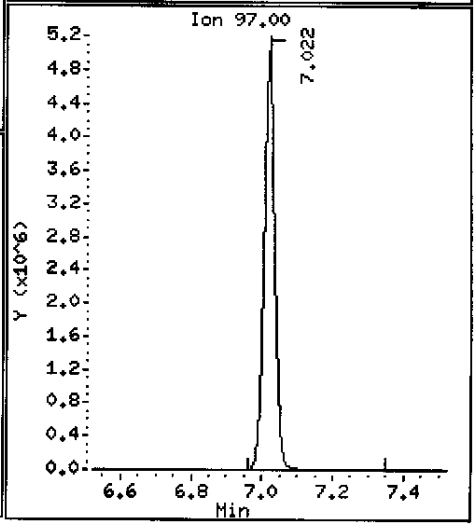


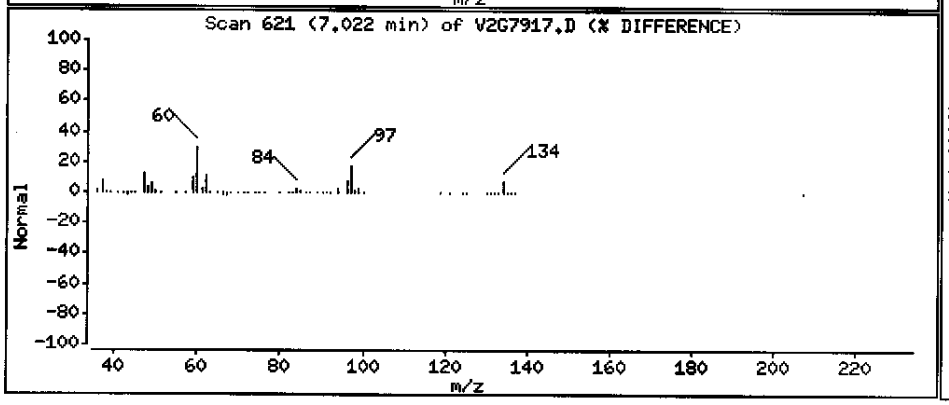












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7917.D

Date : 13-APR-2005 14:37

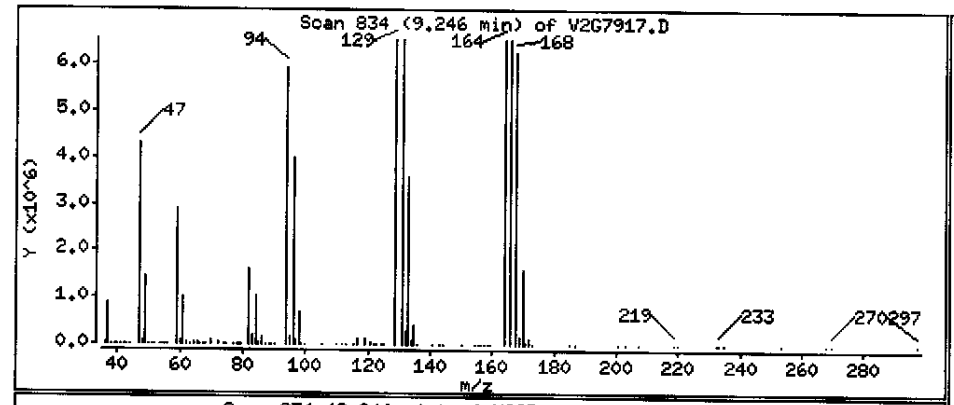
Client ID: BR311326 Instrument: V2.i

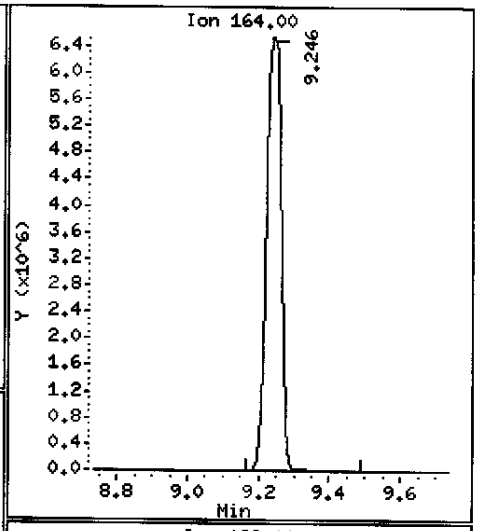
Sample Info: ,D0410-01A,,17654

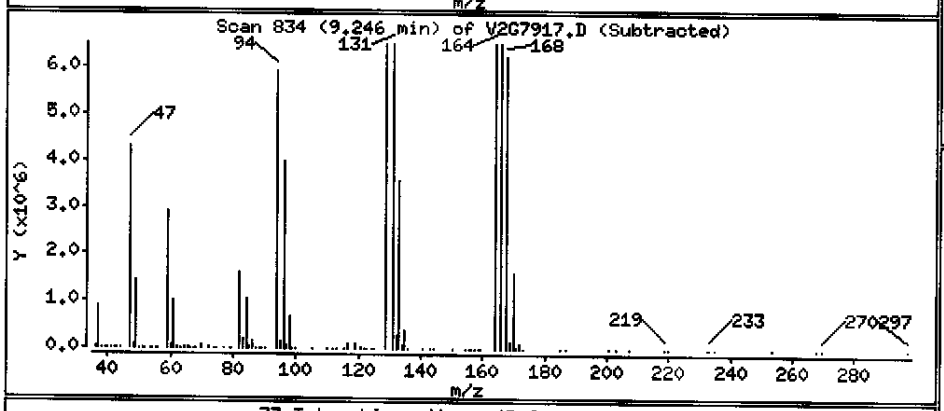
Purge Volume: 5.0 Operator: JC SRC: LIMS

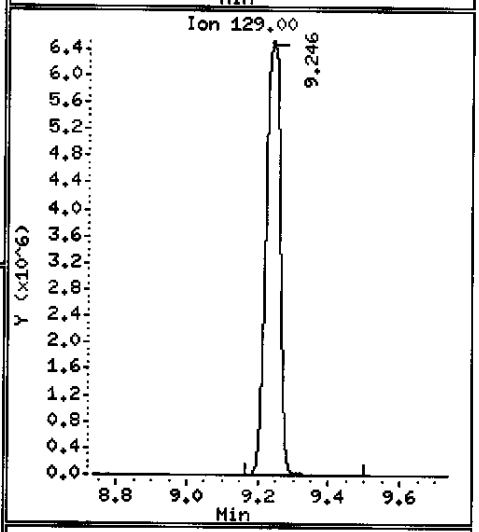
Column phase: DB-624 Column diameter: 0.25

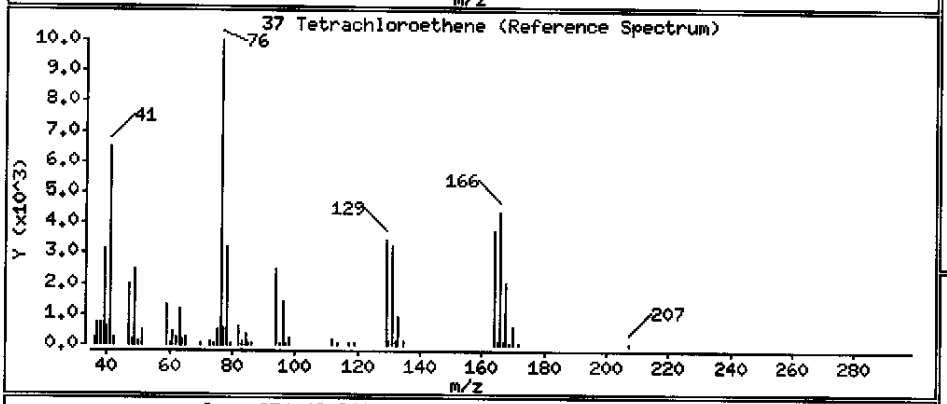
37 Tetrachloroethene Concentration: 5300 ug/L

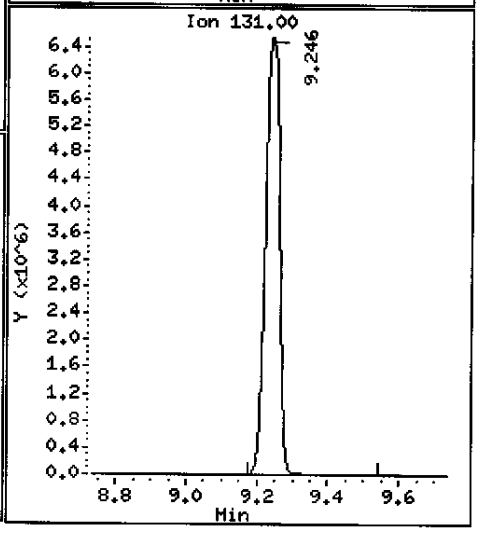


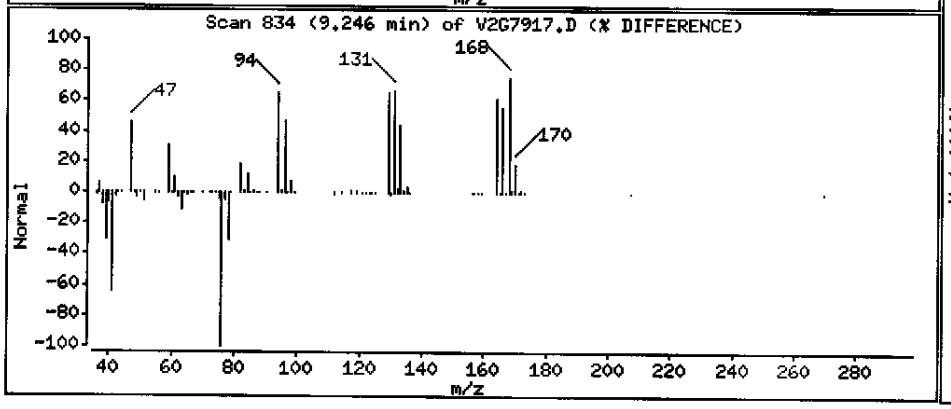












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR311326DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7926

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	500	U
74-87-3	Chloromethane	500	U
75-01-4	Vinyl Chloride	260	DJ
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	500	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	500	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	500	U
79-20-9	Methyl Acetate	500	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
1634-04-4	Methyl tert-Butyl Ether	500	U
75-34-3	1,1-Dichloroethane	500	U
156-59-2	cis-1,2-Dichloroethene	1700	D
78-93-3	2-Butanone	500	U
67-66-3	Chloroform	500	U
71-55-6	1,1,1-Trichloroethane	500	U
110-82-7	Cyclohexane	500	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	500	U
107-06-2	1,2-Dichloroethane	500	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR311326DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7926

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	3400	D
108-87-2	Methylcyclohexane	500	U
78-87-5	1,2-Dichloropropane	500	U
75-27-4	Bromodichloromethane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	7100	D
591-78-6	2-Hexanone	500	U
124-48-1	Dibromochloromethane	500	U
106-93-4	1,2-Dibromoethane	500	U
108-90-7	Chlorobenzene	500	U
100-41-4	Ethylbenzene	500	U
1330-20-7	Xylene (Total)	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
98-82-8	Isopropylbenzene	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
95-50-1	1,2-Dichlorobenzene	500	U
96-12-8	1,2-Dibromo-3-chloropropane	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BR311326DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7926

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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14.					
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17.					
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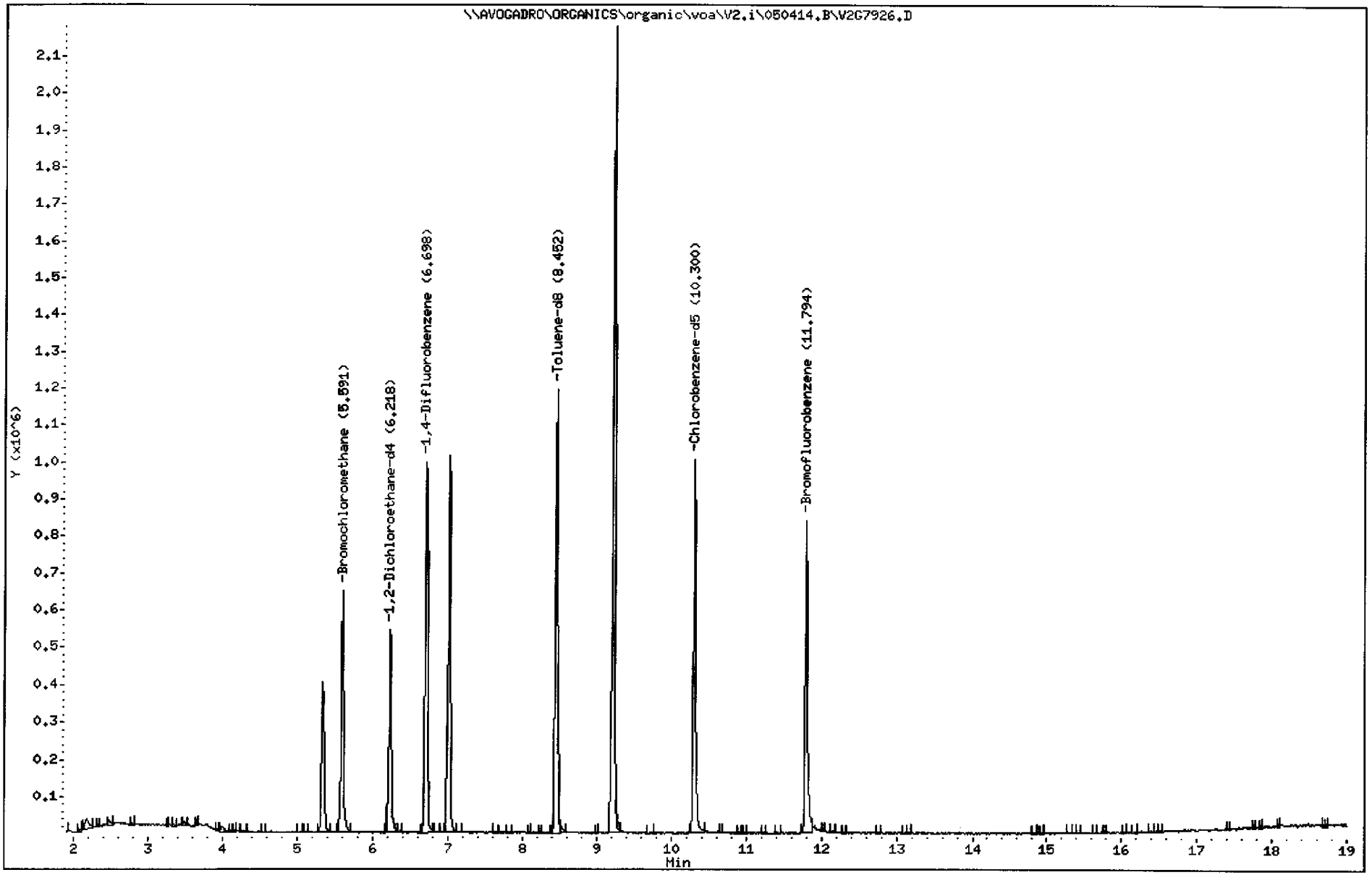
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7926.D
Date : 14-APR-2005 14:35
Client ID: BR311326DL
Instrument: V2.i
Sample Info: ,D0410-01ADL,,17666,50
Purge Volume: 5.0
Operator: JC SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



0038

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7926.D
Report Date: 03-May-2005 12:04

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7926.D
Lab Smp Id: D0410-01ADL Client Smp ID: BR311326DL
Inj Date : 14-APR-2005 14:35
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-01ADL,,17666,50
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D ✓
Als bottle: 6
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	50.000 ✓	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
3 Vinyl Chloride	62	2.166	2.210	(0.387)	38966	5.14451	260(a)
17 cis-1,2-Dichloroethene	96	5.330	5.342	(0.953)	201656	33.1451	1700
* 18 Bromochloromethane	128	5.591	5.593	(1.000)	206369	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.218	6.230	(1.112)	567389	53.9519	54
* 26 1,4-Difluorobenzene	114	6.698	6.710	(1.000)	895879	50.0000	
27 Trichloroethene	130	7.001	7.013	(1.045)	386854	68.2610	3400
$ 33 Toluene-d8	98	8.452	8.454	(0.821)	909015	51.8484	52
37 Tetrachloroethene	164	9.214	9.226	(0.895)	605508	142.899	7100
* 42 Chlorobenzene-d5	117	10.300	10.312	(1.000)	673793	50.0000	
$ 50 Bromofluorobenzene	95	11.794	11.795	(1.145)	358886	47.8295	48

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SB 5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7926.D
Report Date: 03-May-2005 12:04

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7926.D
Lab Smp Id: D0410-01ADL Client Smp ID: BR311326DL
Inj Date : 14-APR-2005 14:35
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-01ADL,,17666,50
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D
Als bottle: 6
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7926.D

Date : 14-APR-2005 14:35

Client ID: BR311326DL

Instrument: V2.i

Sample Info: ,D0410-01ADL,,17666,50

Purge Volume: 5.0

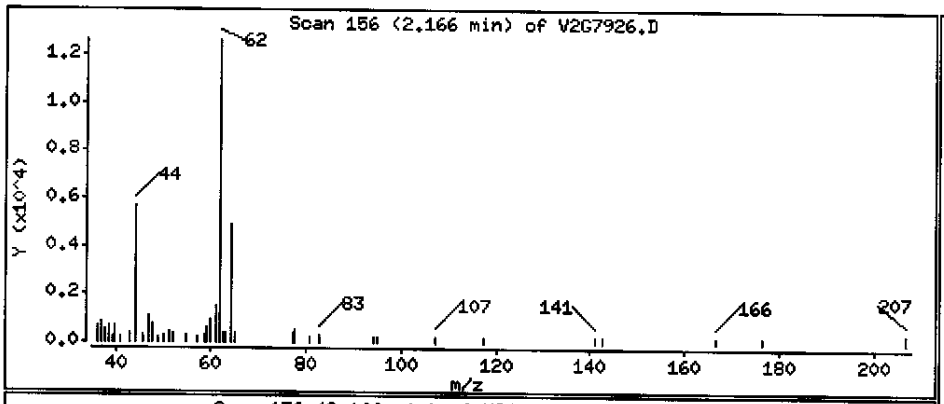
Operator: JC SRC: LIMS

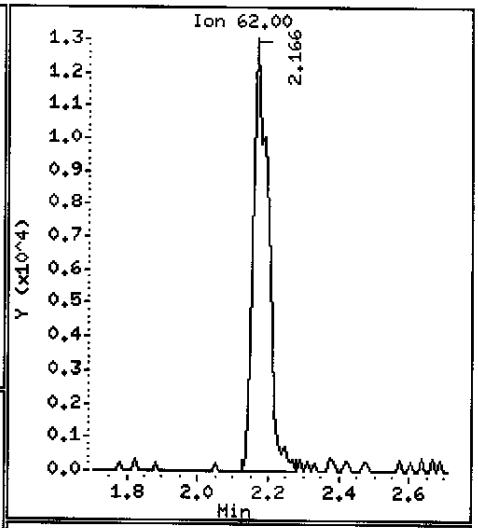
Column phase: DB-624

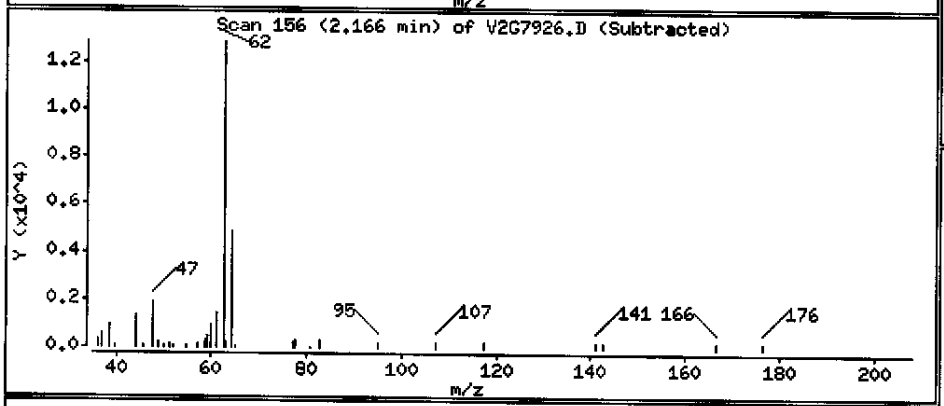
Column diameter: 0.25

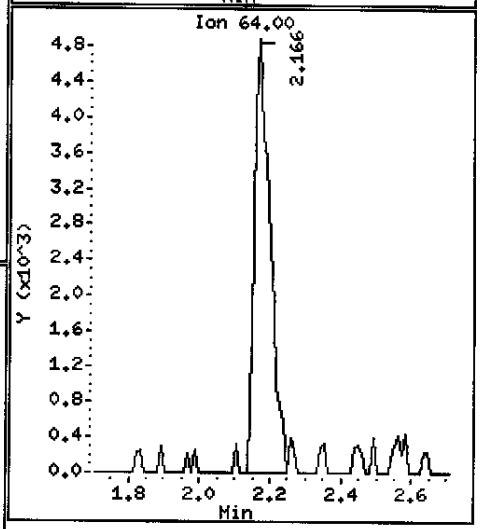
3 Vinyl Chloride

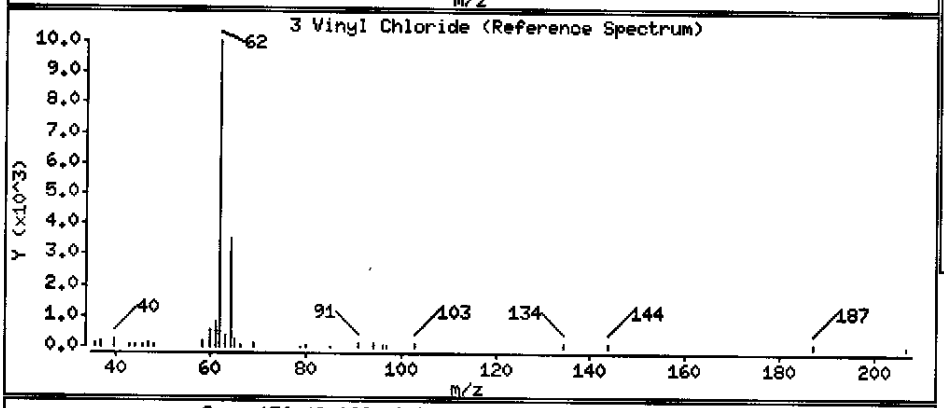
Concentration: 260 ug/L

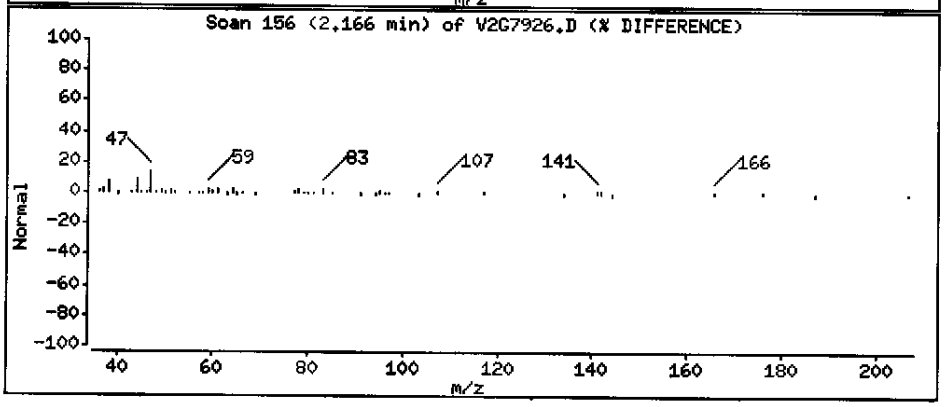












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7926.D

Date : 14-APR-2005 14:35

Client ID: BR311326DL

Instrument: V2.i

Sample Info: ,D0410-01ADL,,17666,50

Purge Volume: 5.0

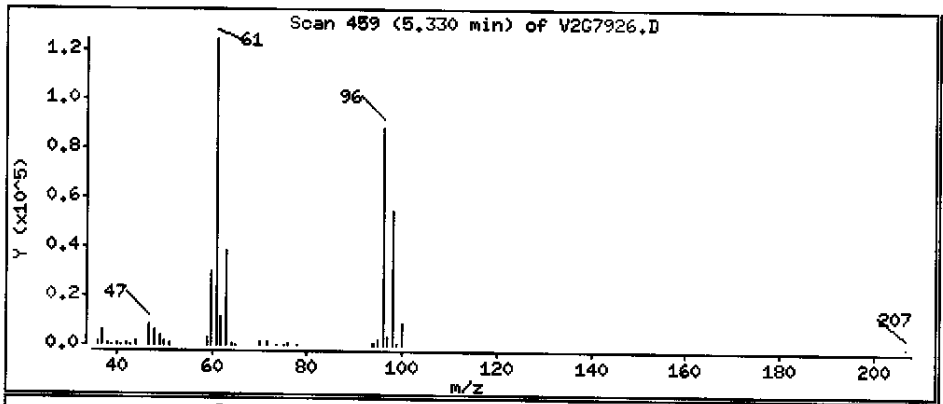
Operator: JC SRC: LIMS

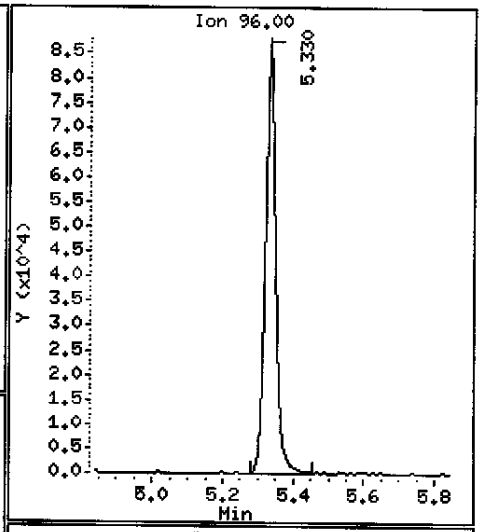
Column phase: DB-624

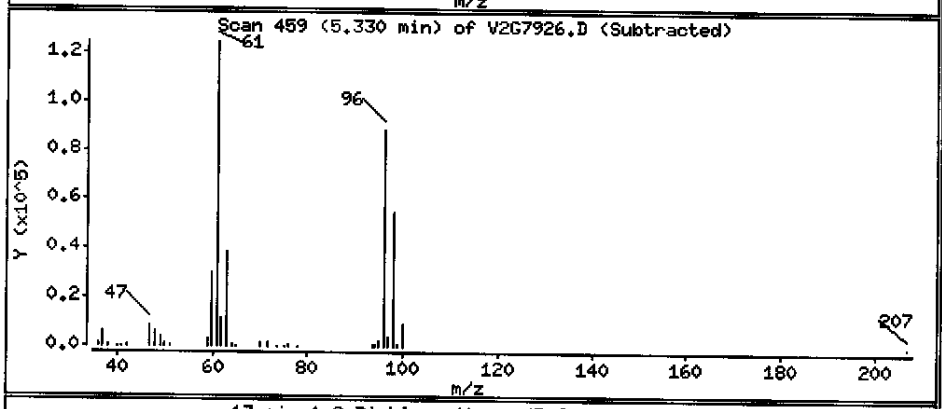
Column diameter: 0.25

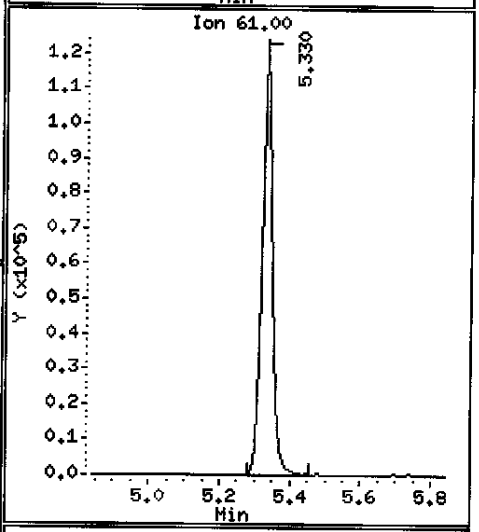
17 cis-1,2-Dichloroethene

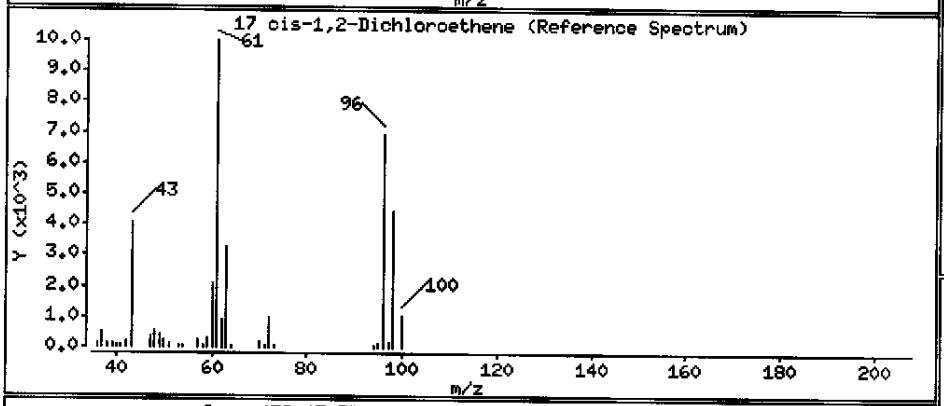
Concentration: 1700 ug/L

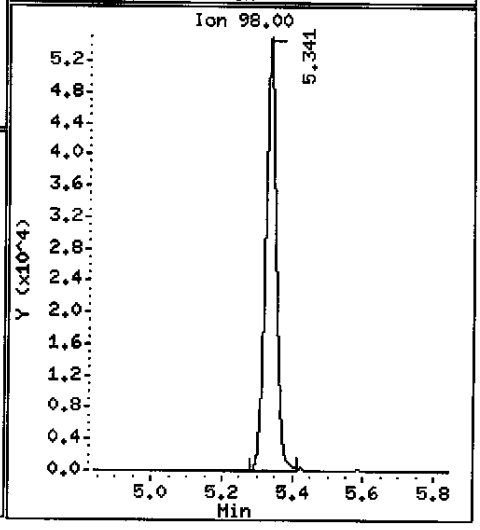


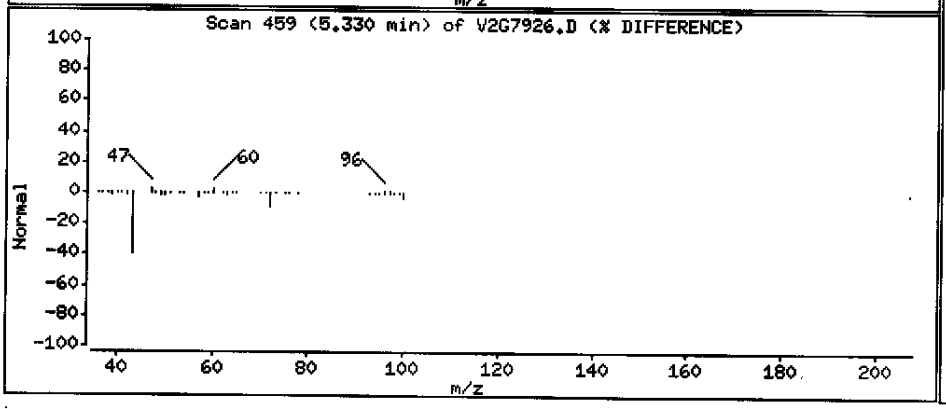












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7926.D

Date : 14-APR-2005 14:35

Client ID: BR311326DL

Instrument: V2.i

Sample Info: ,D0410-01ADL,,17666,50

Purge Volume: 5.0

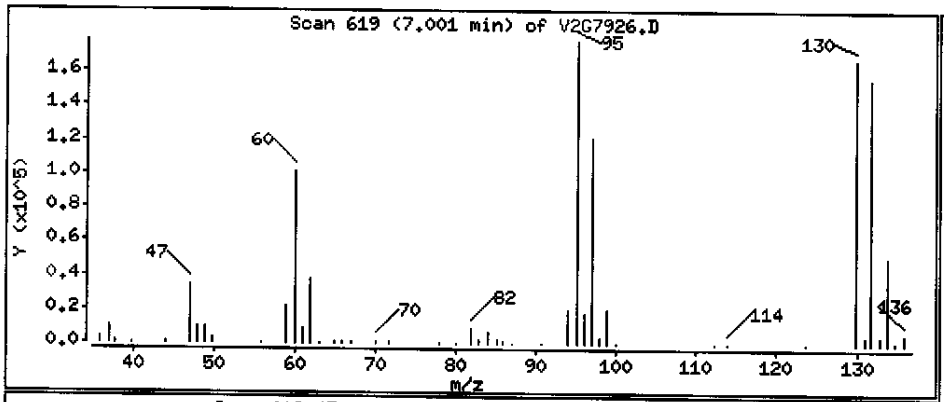
Operator: JC SRC: LIMS

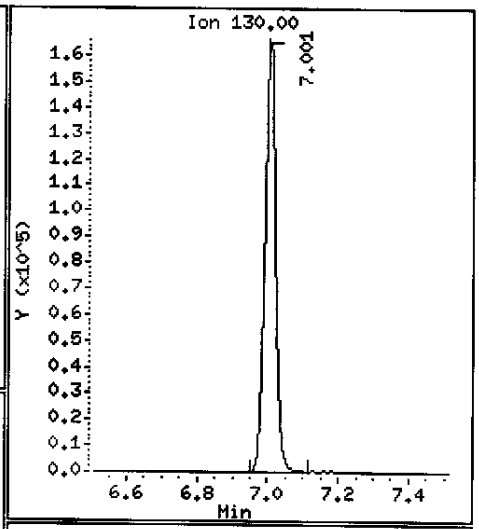
Column phase: DB-624

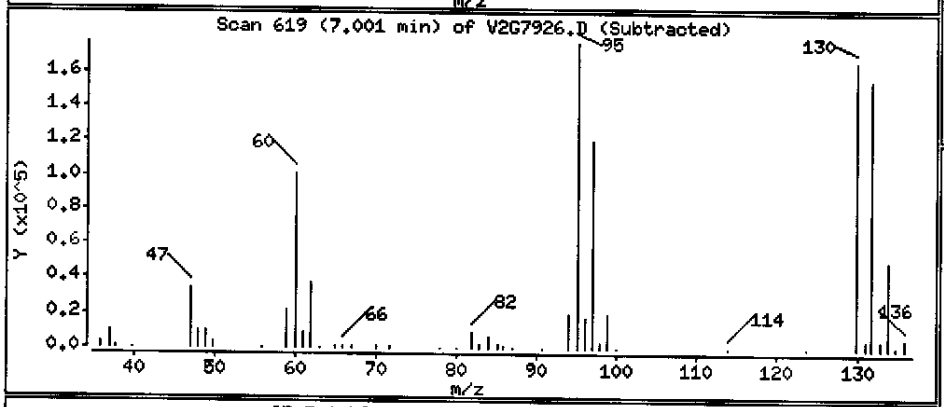
Column diameter: 0.25

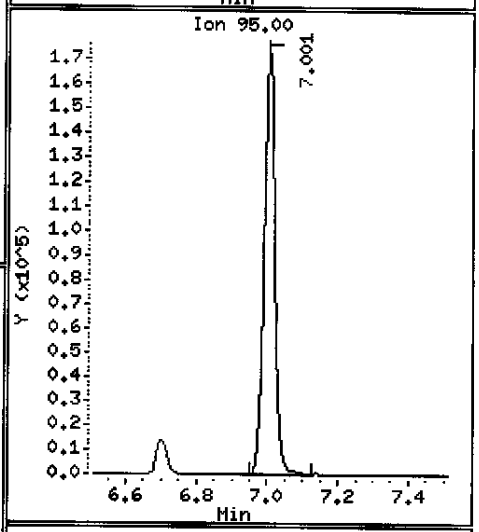
27 Trichloroethene

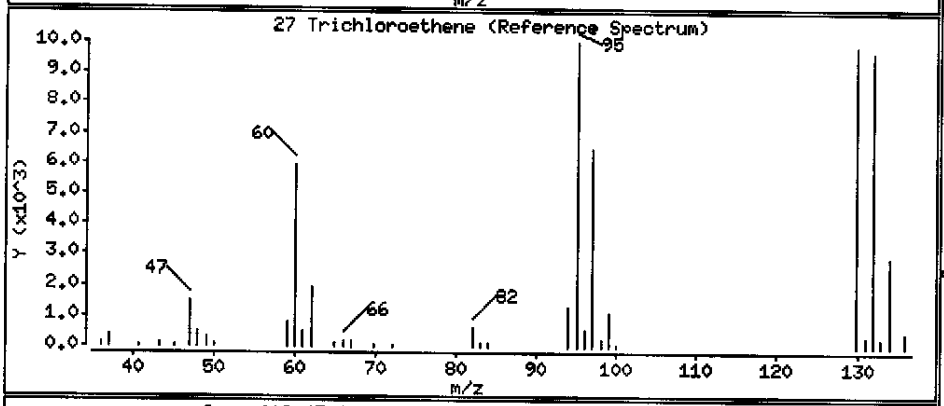
Concentration: 3400 ug/L

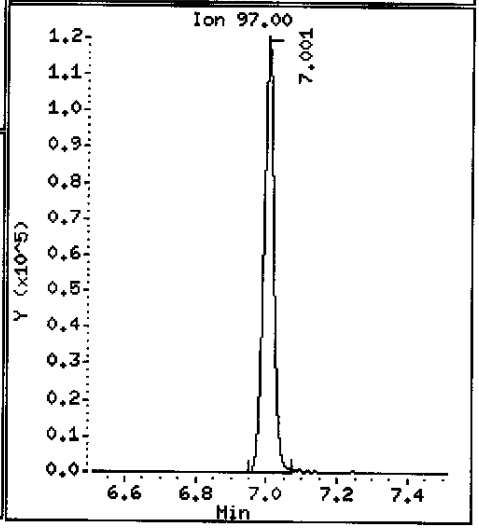


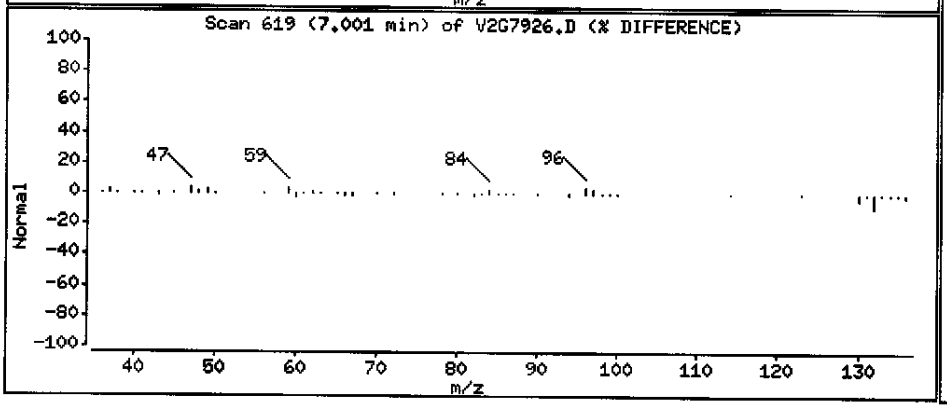












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7926.D

Date : 14-APR-2005 14:35

Client ID: BR311326DL

Instrument: V2.i

Sample Info: ,D0410-01ADL,,17666,50

Purge Volume: 5.0

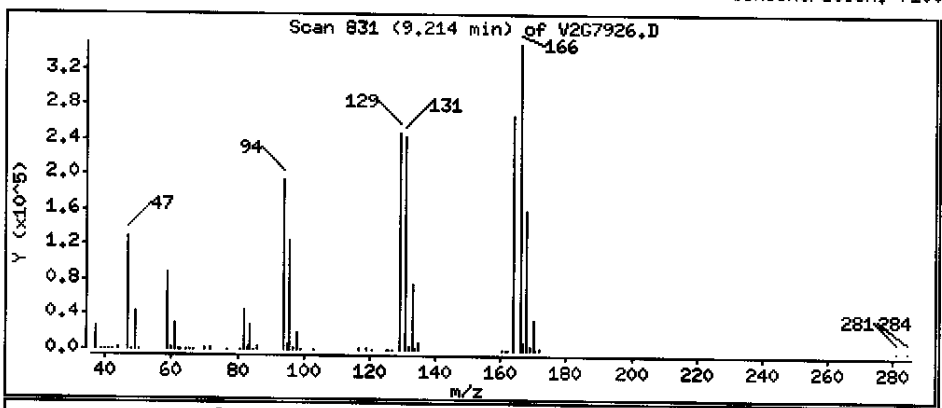
Operator: JC SRC: LIMS

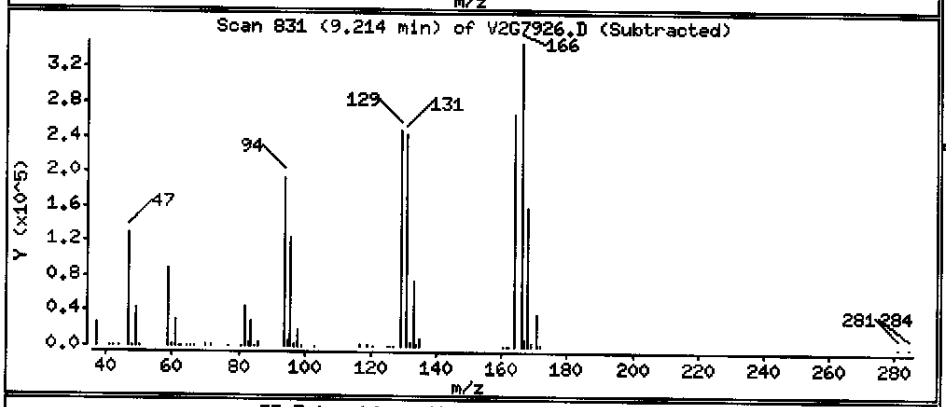
Column phase: DB-624

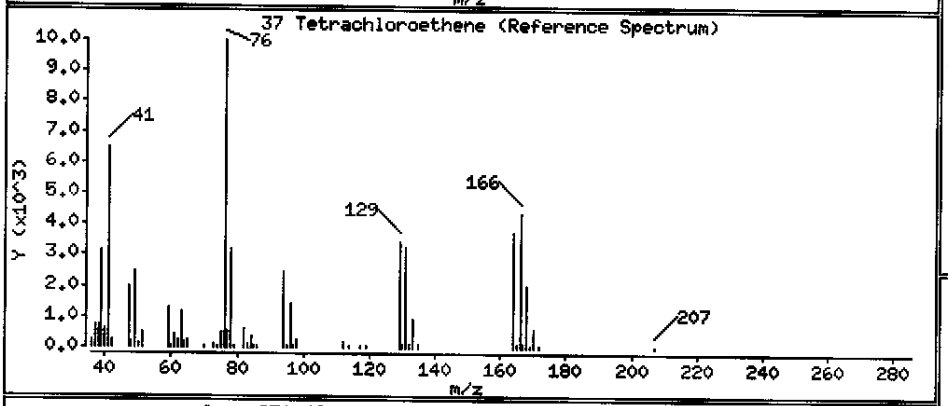
Column diameter: 0.25

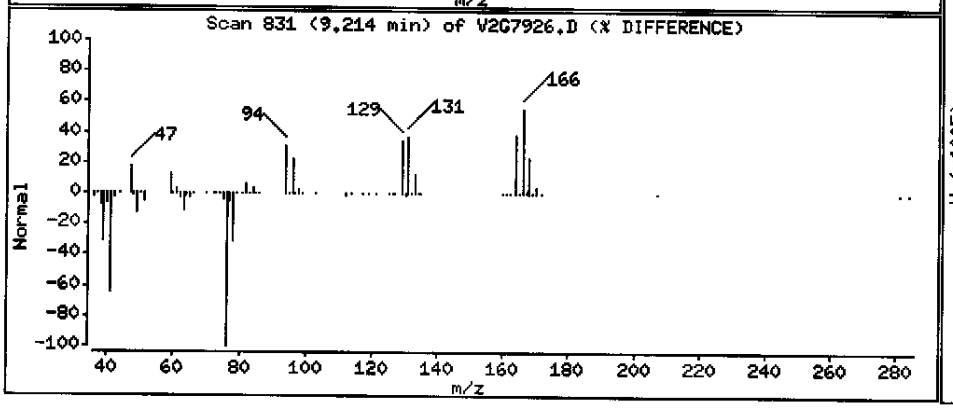
37 Tetrachloroethene

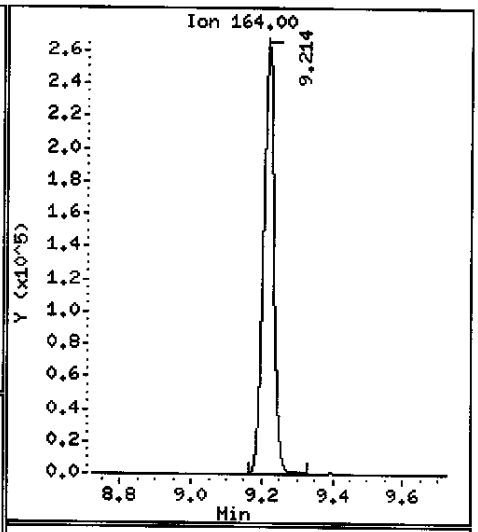
Concentration: 7100 ug/L

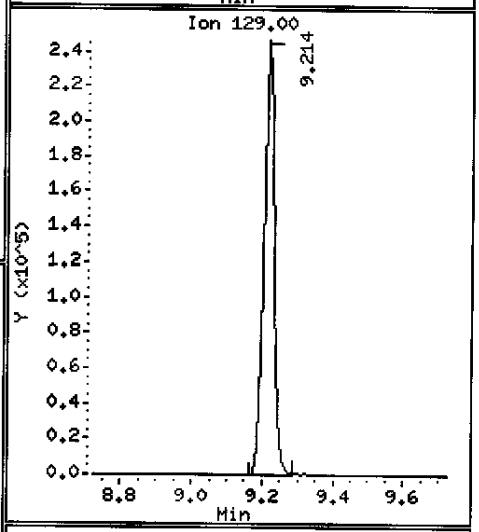


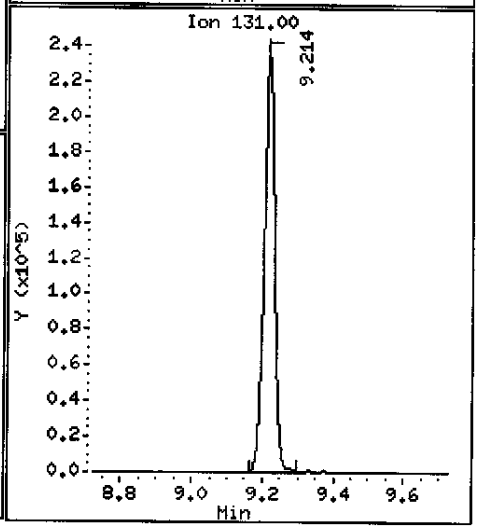












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR417432

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7920

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	340	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	44	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	14	
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	4	J
156-59-2	cis-1,2-Dichloroethene	1700	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR417432

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7920

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	3100	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	1	J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	6300	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BR417432

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7920

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

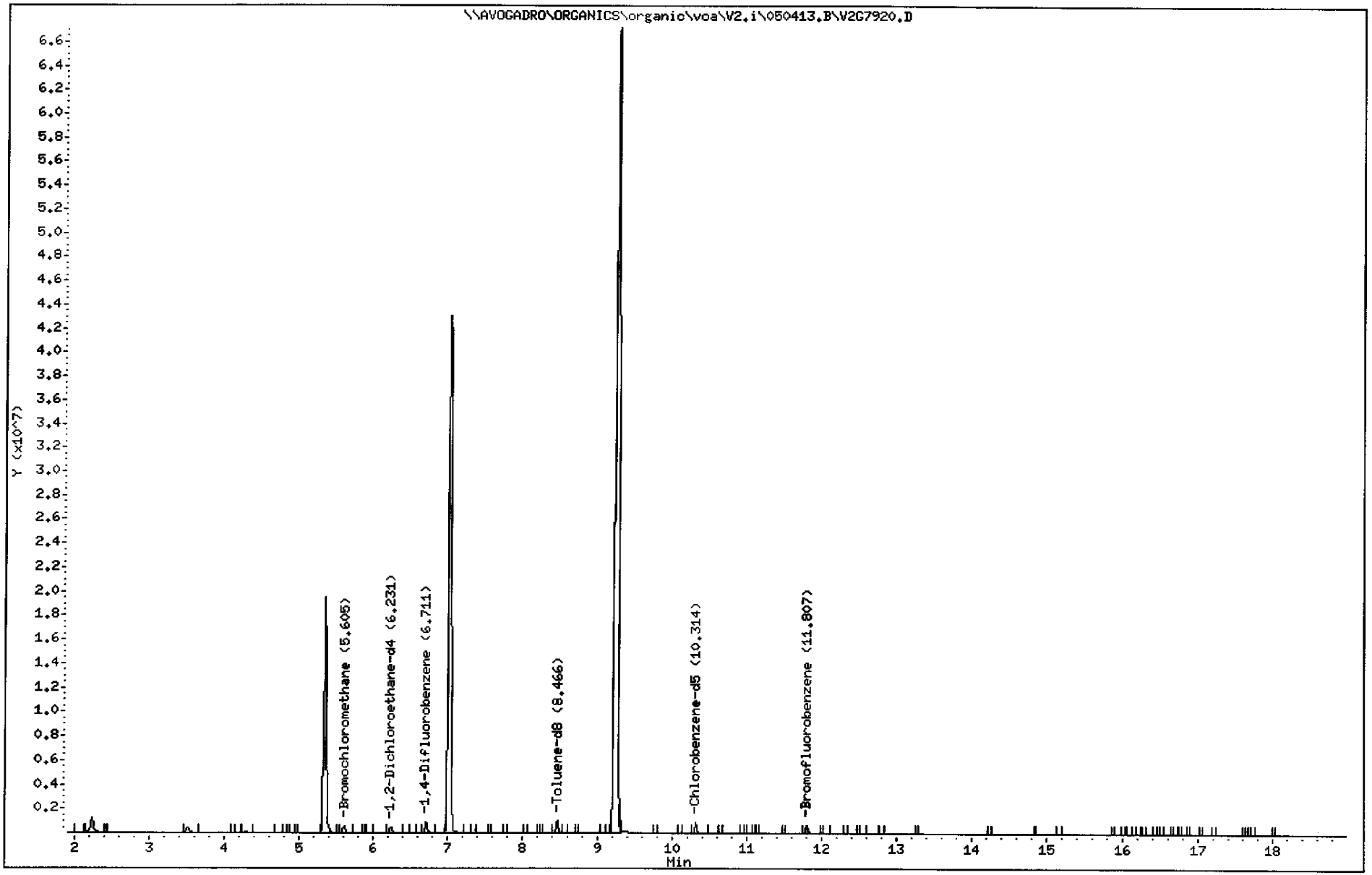
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7920.D
Date : 13-APR-2005 15:54
Client ID: BR417432
Instrument: V2.i
Sample Info: ,D0410-02A,,17654
Purge Volume: 5.0
Operator: JC SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



0048

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7920.D
Report Date: 03-May-2005 11:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7920.D
Lab Smp Id: D0410-02A Client Smp ID: BR417432
Inj Date : 13-APR-2005 15:54
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-02A,,17654
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	3 Vinyl Chloride	62	2.221	2.219	(0.396)	2073273	336.315	340(A)
	7 1,1-Dichloroethene	96	3.506	3.514	(0.626)	242728	43.7718	44
	13 trans-1,2-Dichloroethene	96	4.279	4.286	(0.763)	81776	13.5850	14
	15 1,1-Dichloroethane	63	4.728	4.725	(0.844)	39662	3.91143	4(a)
	17 cis-1,2-Dichloroethene	96	5.344	5.351	(0.953)	9201415	1669.39	1700(A)
*	18 Bromochloromethane	128	5.605	5.602	(1.000)	173895	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.231	6.239	(1.112)	460433	48.8707	49
*	26 1,4-Difluorobenzene	114	6.712	6.719	(1.000)	759755	50.0000	
	27 Trichloroethene	130	7.025	7.022	(1.047)	15386260	3143.69	3100(A)
$	33 Toluene-d8	98	8.466	8.463	(0.821)	784362	49.7297	50
	34 Toluene	91	8.539	8.547	(0.828)	17084	1.02961	1(a)
	37 Tetrachloroethene	164	9.238	9.236	(0.896)	23003503	6345.89	6300(A)
*	42 Chlorobenzene-d5	117	10.314	10.322	(1.000)	568335	50.0000	
$	50 Bromofluorobenzene	95	11.807	11.804	(1.145)	317344	50.1348	50

SB
5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7920.D
Report Date: 03-May-2005 11:48

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7920.D
Report Date: 03-May-2005 11:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7920.D
Lab Smp Id: D0410-02A Client Smp ID: BR417432
Inj Date : 13-APR-2005 15:54
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-02A,,17654
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7920.D

Date : 13-APR-2005 15:54

Client ID: BR417432

Instrument: V2.i

Sample Info: ,D0410-02A,,17654

Purge Volume: 5.0

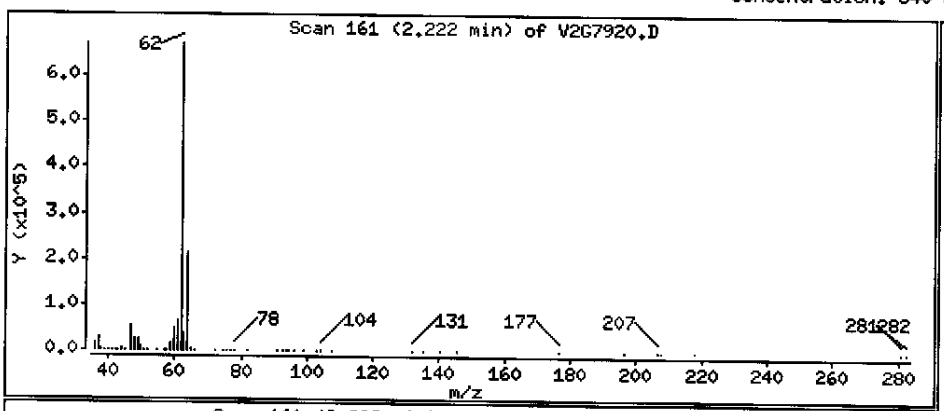
Operator: JC SRC: LIMS

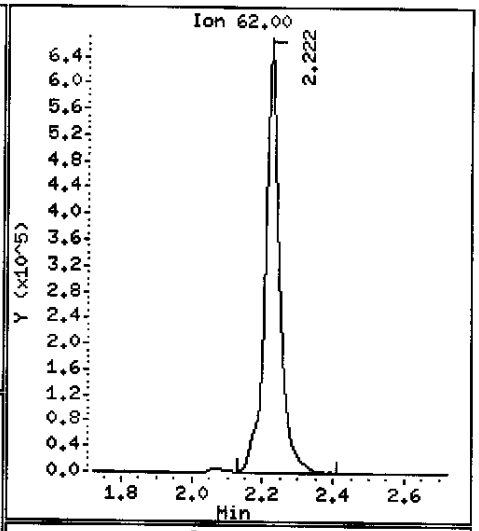
Column phase: DB-624

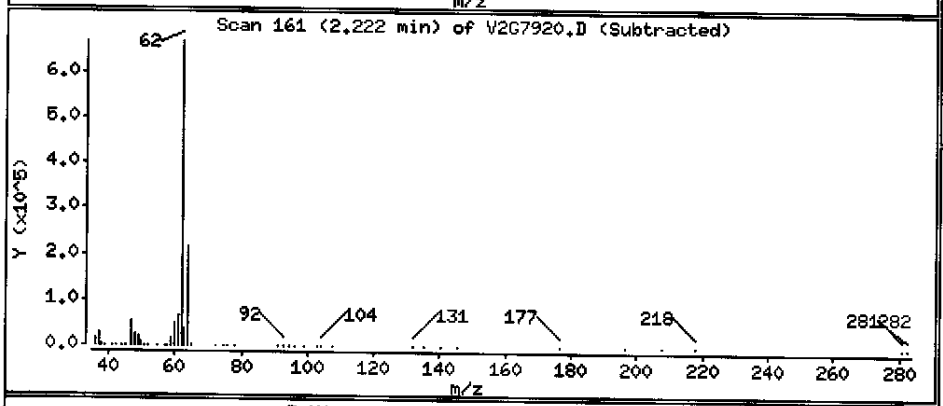
Column diameter: 0.25

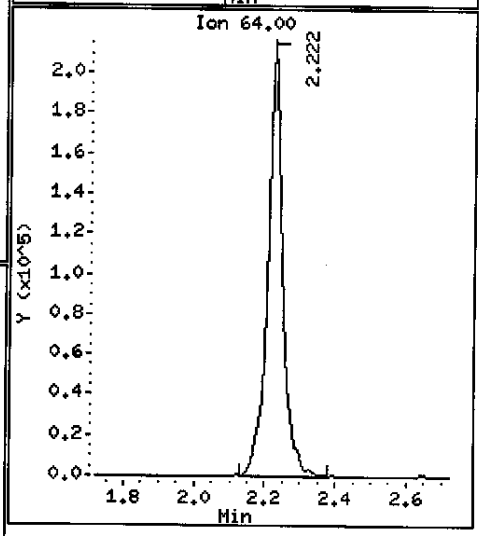
3 Vinyl Chloride

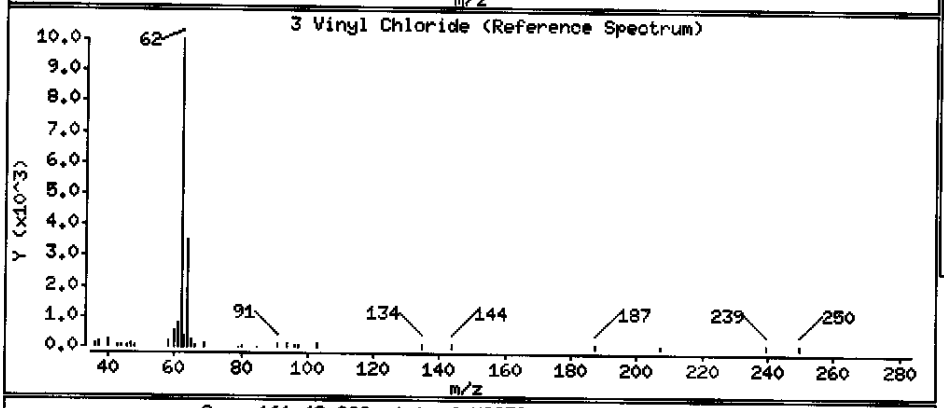
Concentration: 340 ug/L

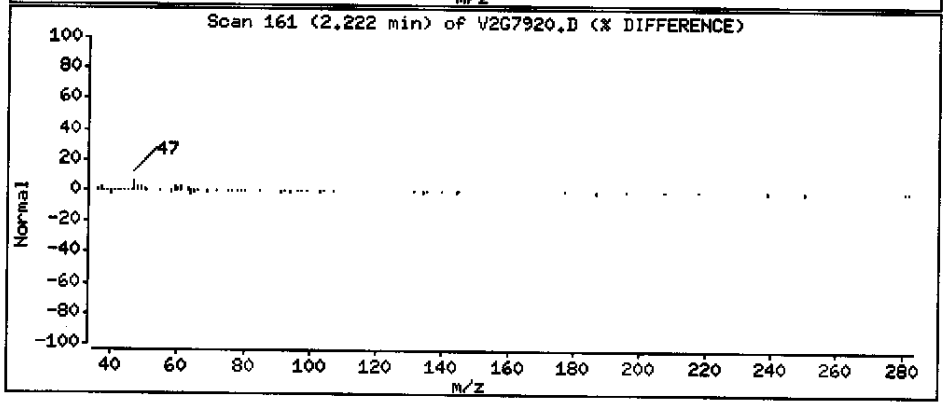












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7920.D

Date : 13-APR-2005 15:54

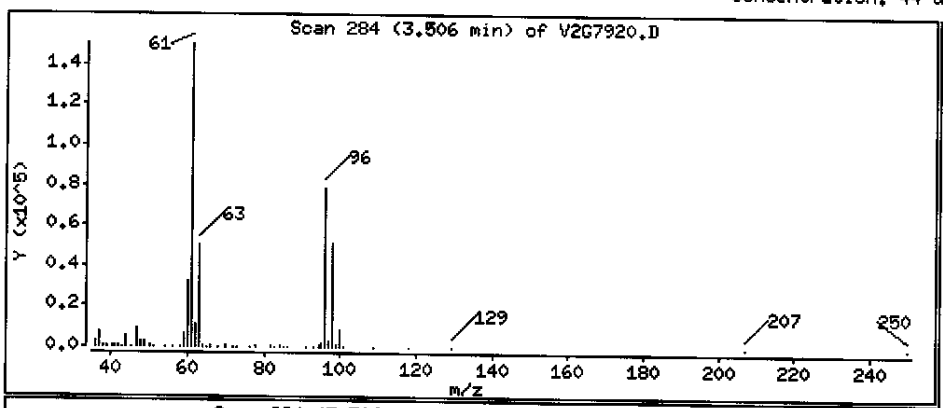
Client ID: BR417432 Instrument: V2.i

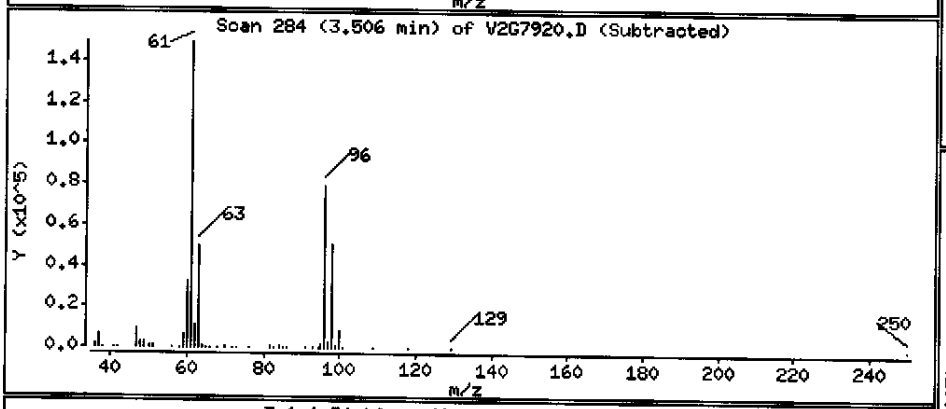
Sample Info: ,D0410-02A,,17654

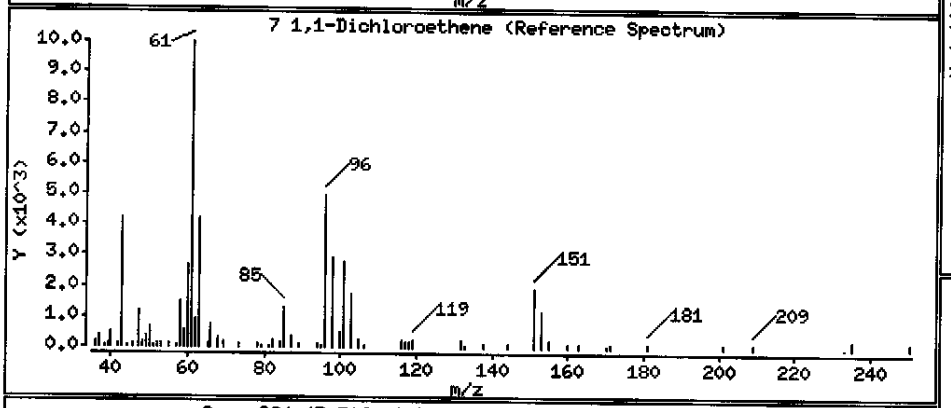
Purge Volume: 5.0 Operator: JC SRC: LIMS

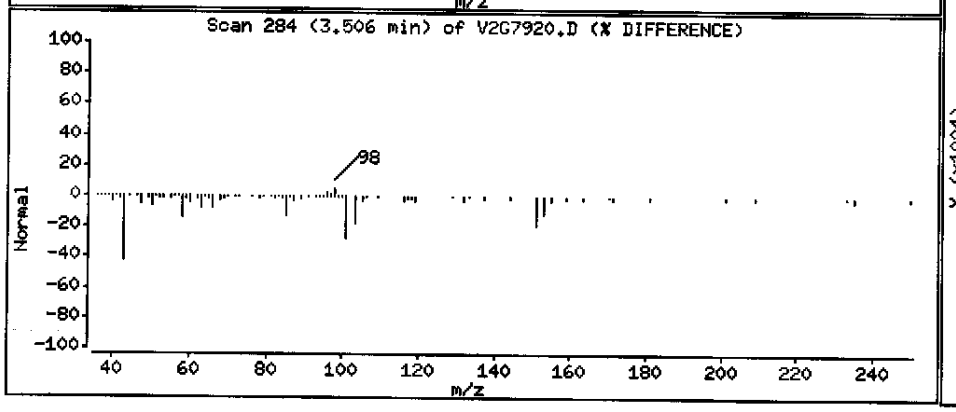
Column phase: DB-624 Column diameter: 0.25

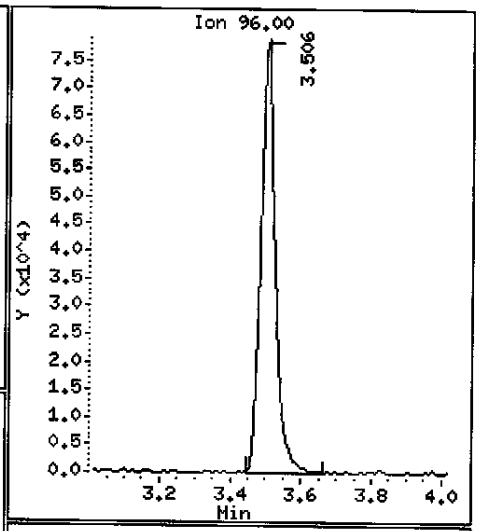
7 1,1-Dichloroethene Concentration: 44 ug/L

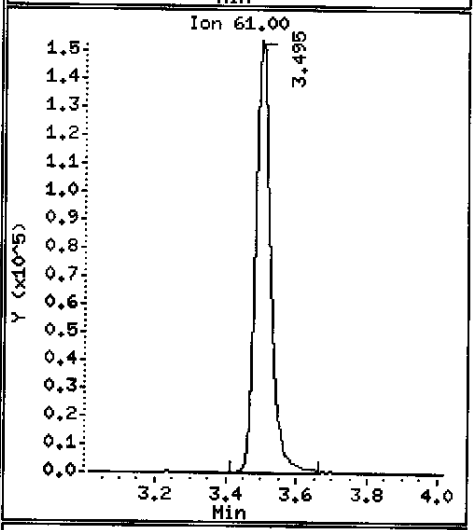


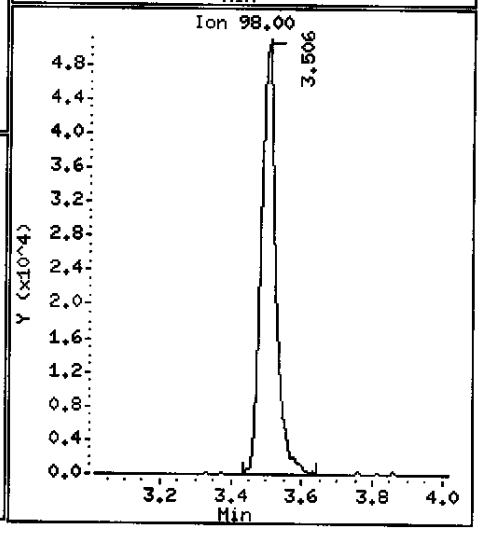












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7920.D

Date : 13-APR-2005 15:54

Client ID: BR417432

Instrument: V2.i

Sample Info: ,D0410-02A,,17654

Purge Volume: 5.0

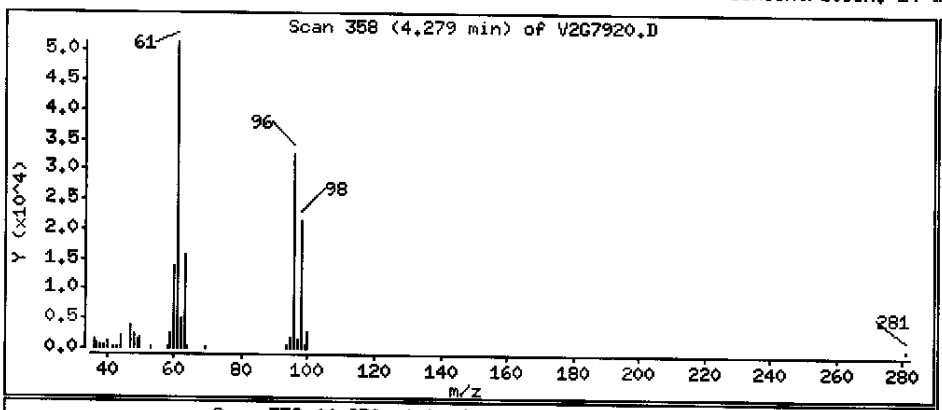
Operator: JC SRC: LIMS

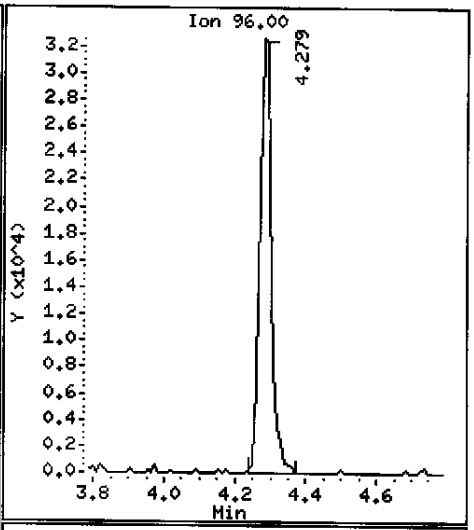
Column phase: DB-624

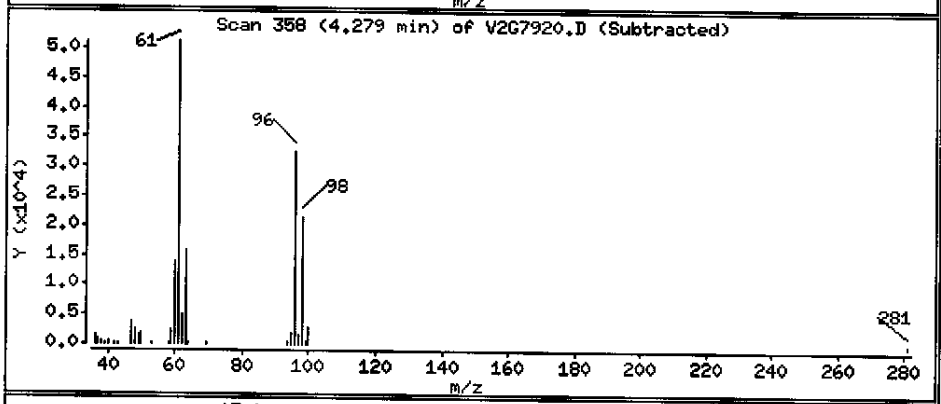
Column diameter: 0.25

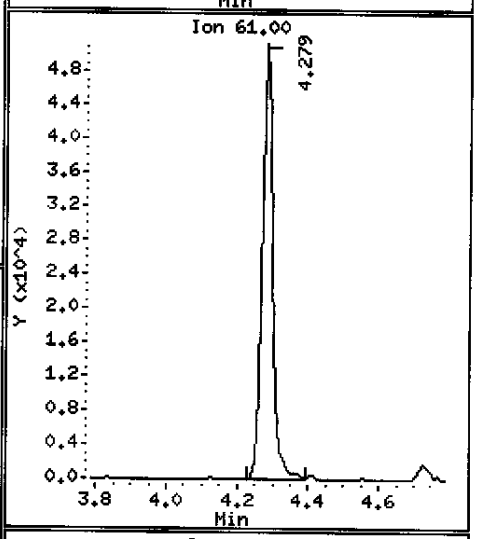
13 trans-1,2-Dichloroethene

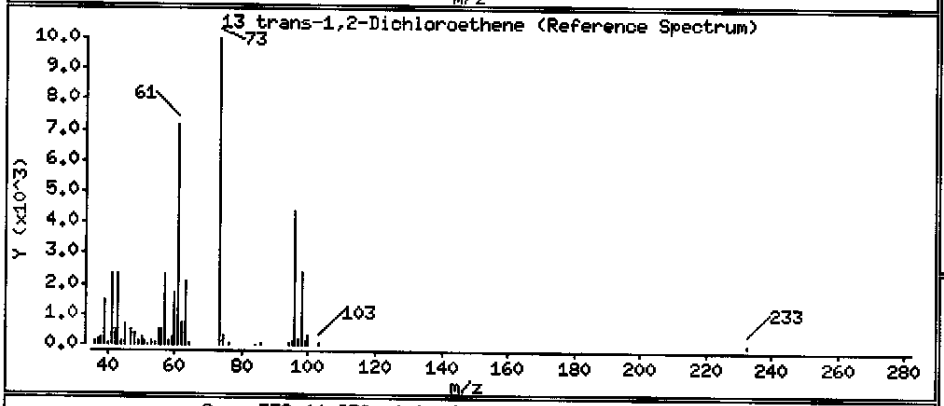
Concentration: 14 ug/L

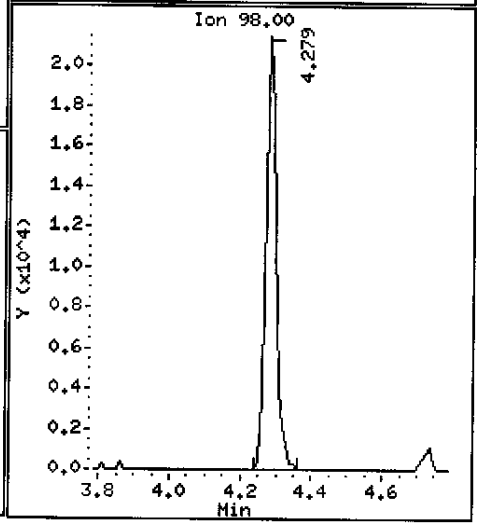


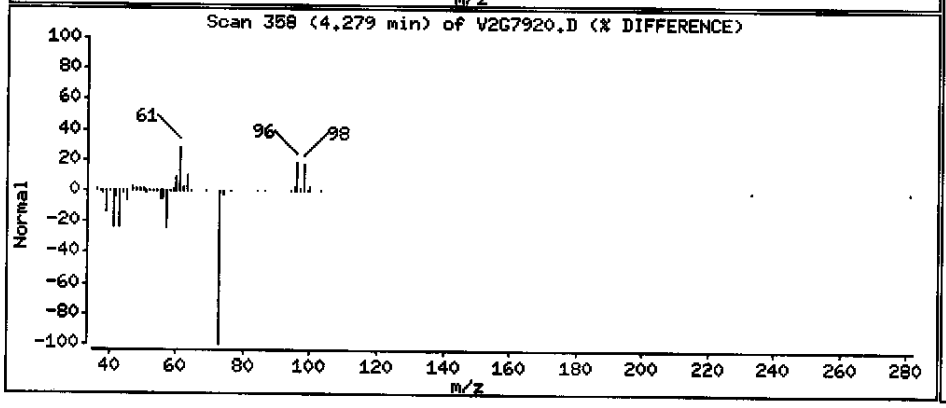












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7920.D

Date : 13-APR-2005 15:54

Client ID: BR417432

Instrument: V2.i

Sample Info: ,D0410-02A,,17654

Purge Volume: 5.0

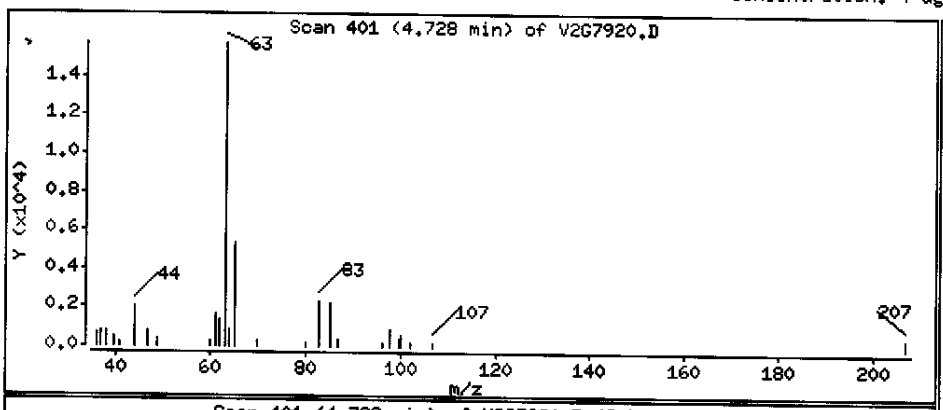
Operator: JC SRC: LIMS

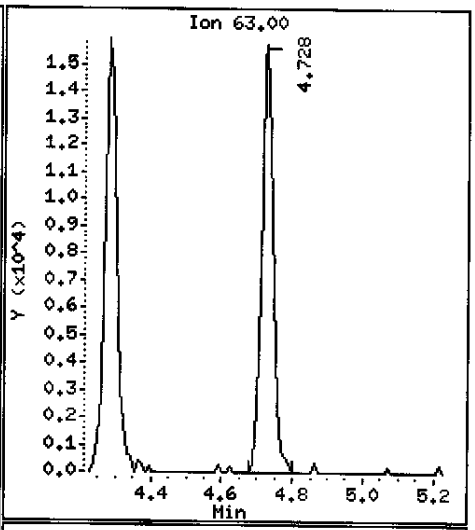
Column phase: DB-624

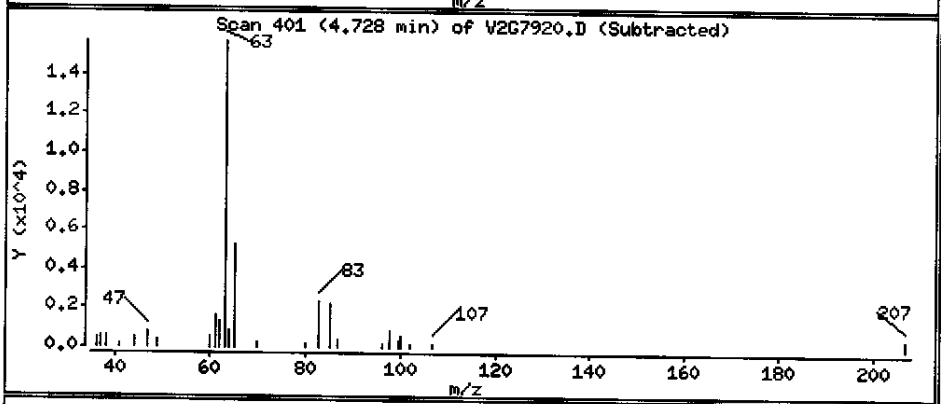
Column diameter: 0.25

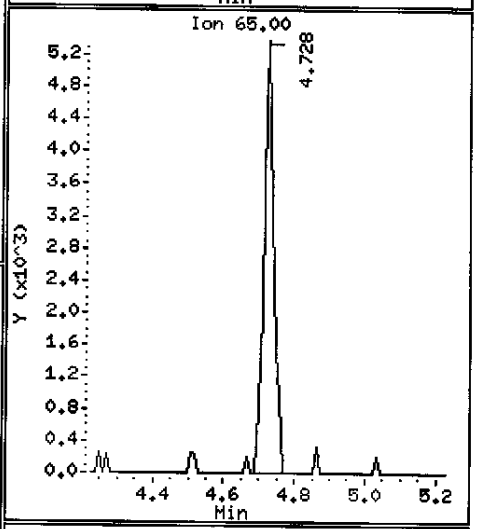
15 1,1-Dichloroethane

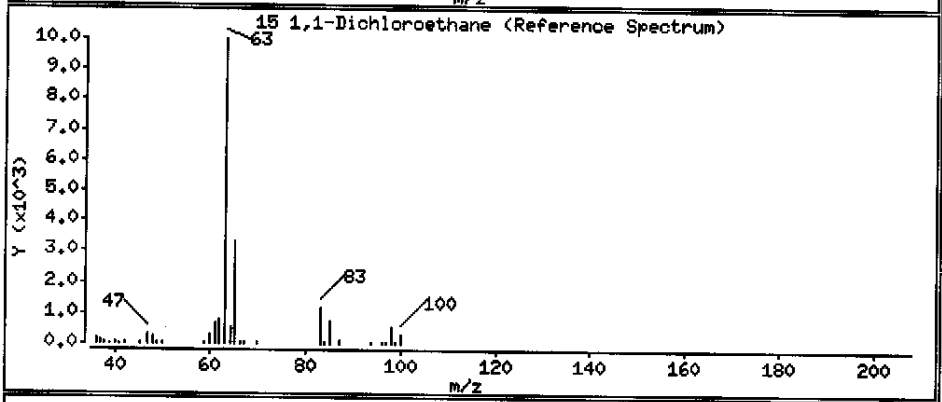
Concentration: 4 ug/L

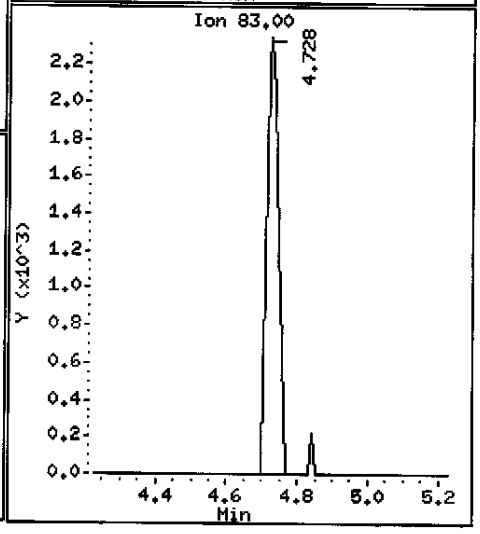


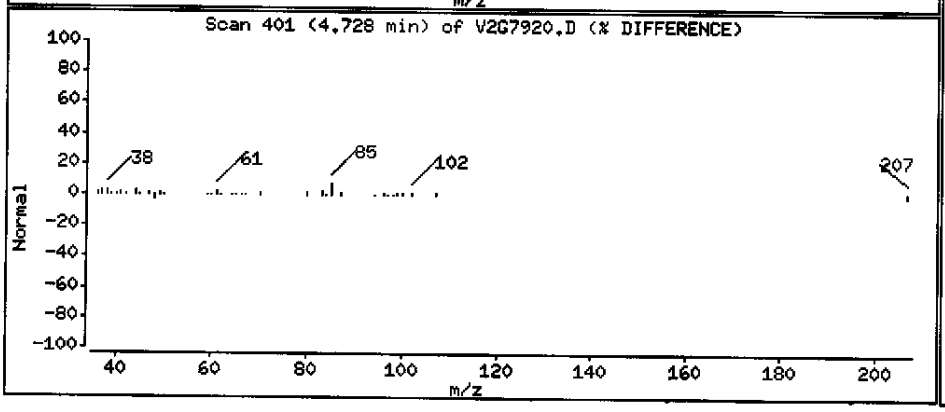












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7920.D

Date : 13-APR-2005 15:54

Client ID: BR417432

Instrument: V2.i

Sample Info: ,D0410-02A,,17654

Purge Volume: 5.0

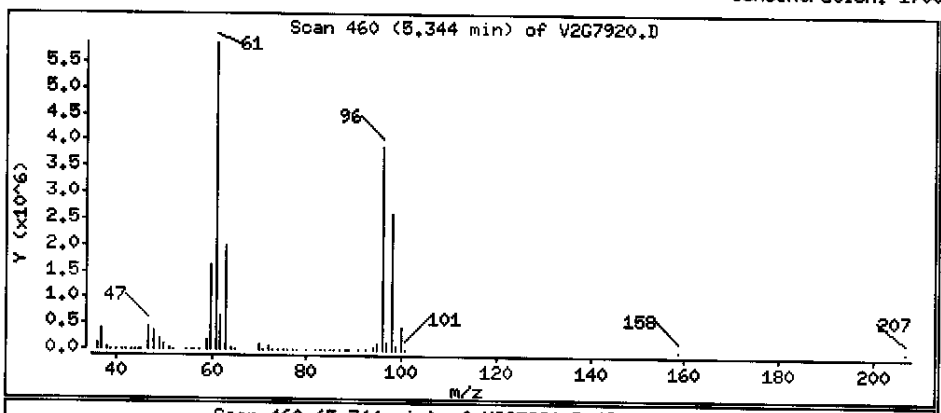
Operator: JC SRC: LIMS

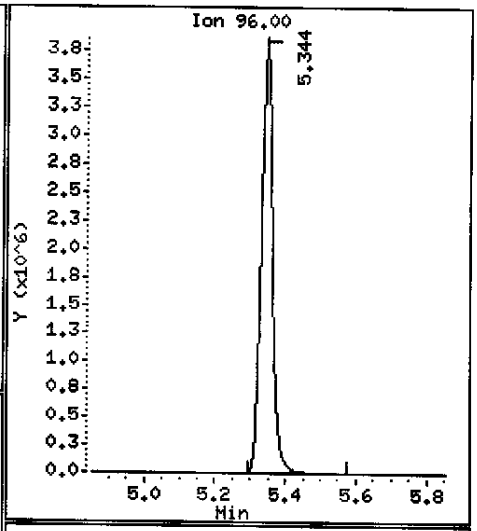
Column phase: DB-624

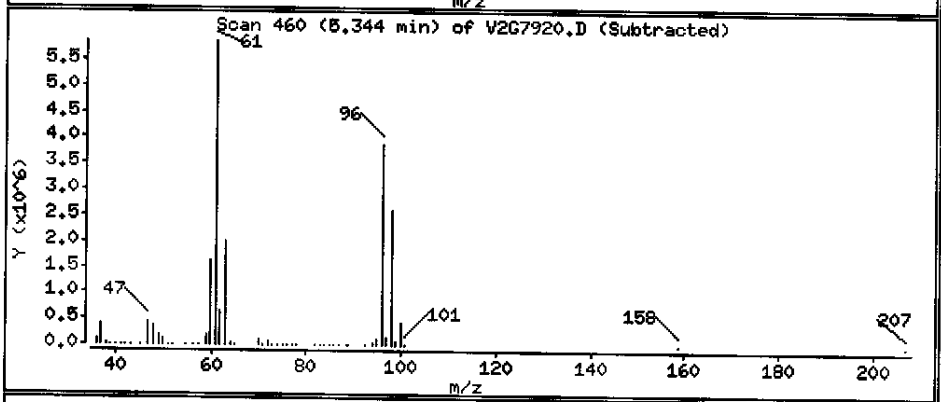
Column diameter: 0.25

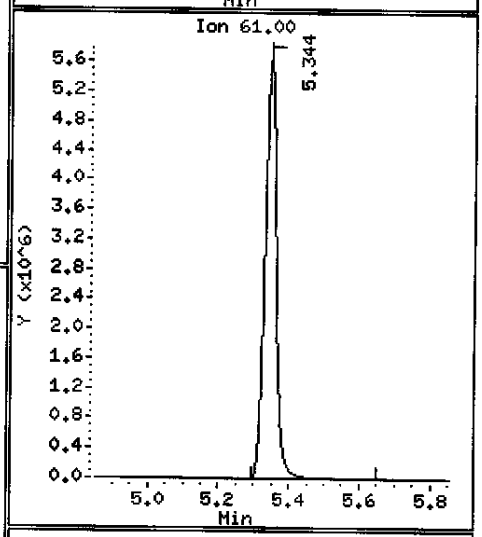
17 cis-1,2-Dichloroethene

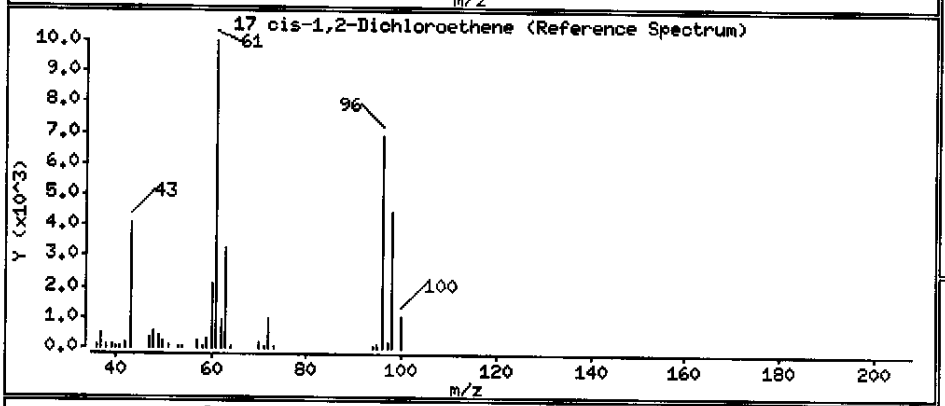
Concentration: 1700 ug/L

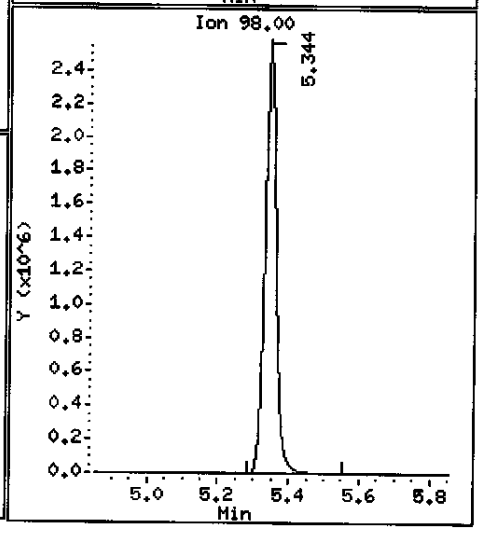


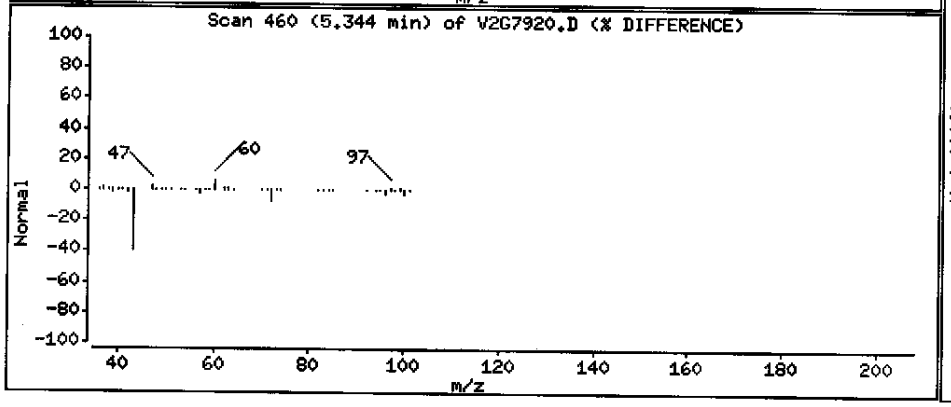












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7920.D

Date : 13-APR-2005 15:54

Client ID: BR417432

Instrument: V2.i

Sample Info: ,D0410-02A,,17654

Purge Volume: 5.0

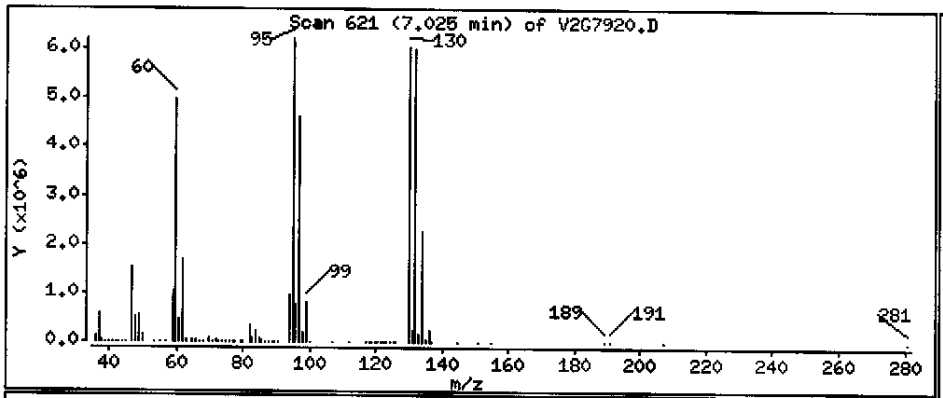
Operator: JC SRC: LIMS

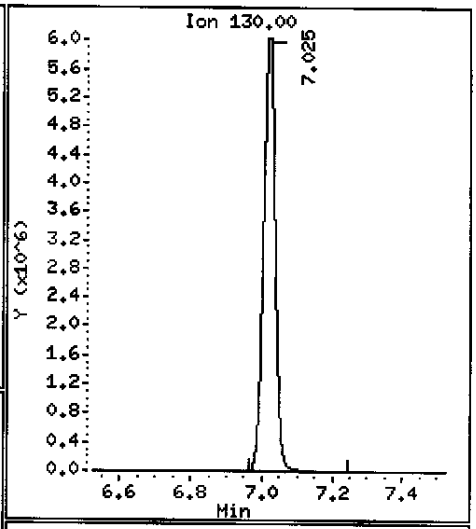
Column phase: DB-624

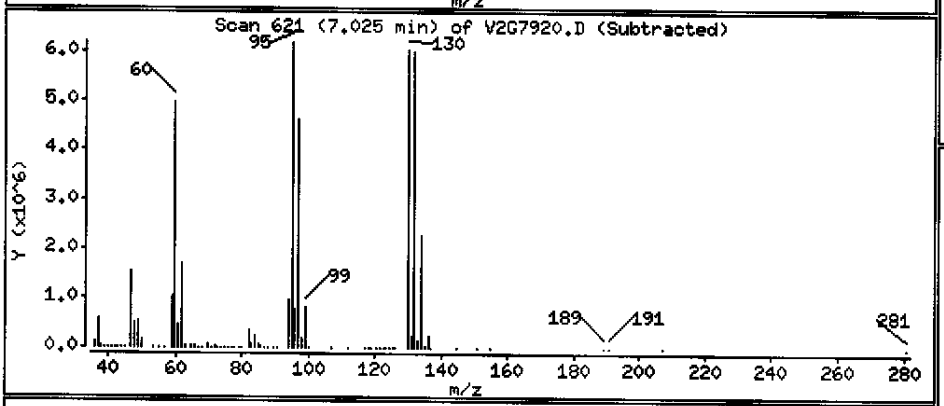
Column diameter: 0.25

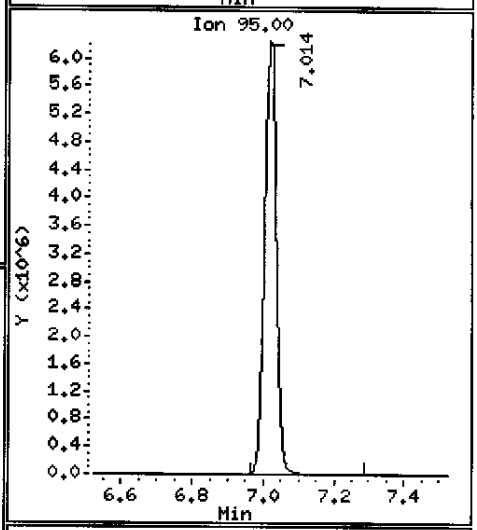
27 Trichloroethene

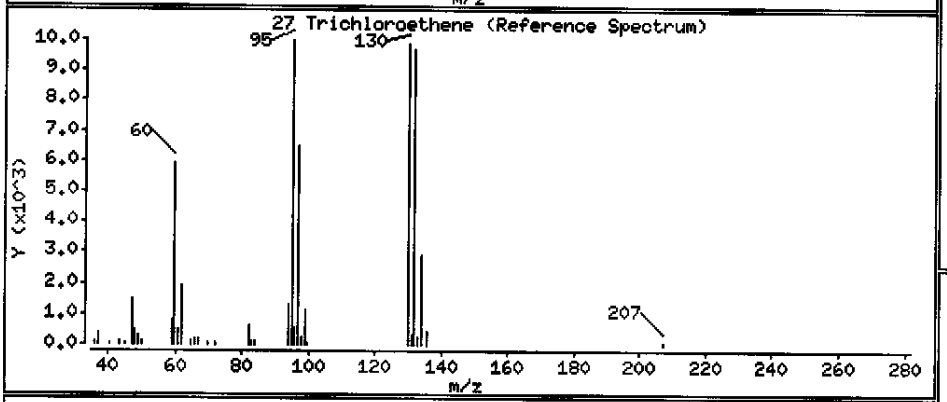
Concentration: 3100 ug/L

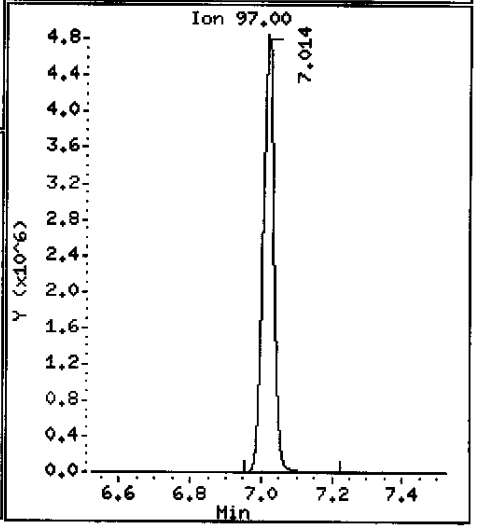


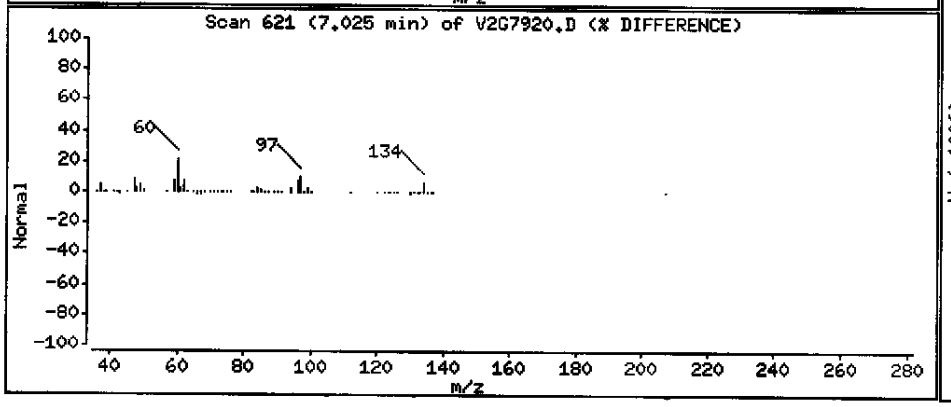












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7920.D

Date : 13-APR-2005 15:54

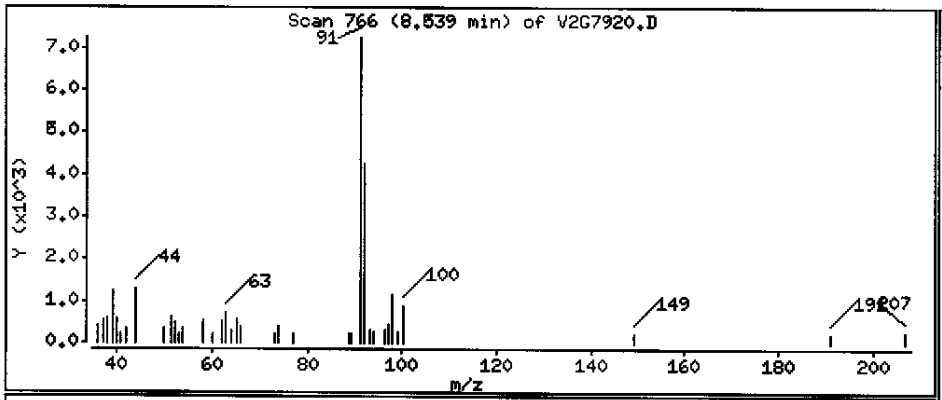
Client ID: BR417432 Instrument: V2.i

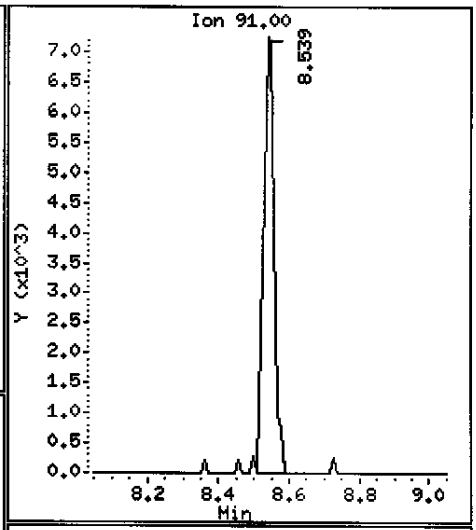
Sample Info: ,D0410-02A,,17654

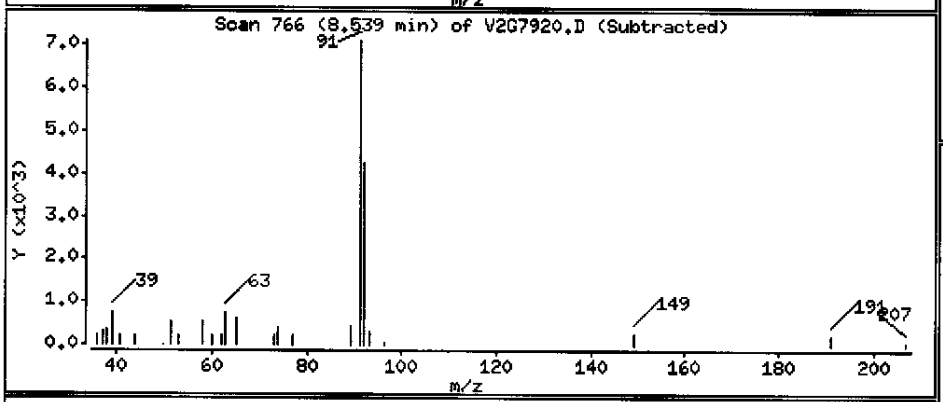
Purge Volume: 5.0 Operator: JC SRC: LIMS

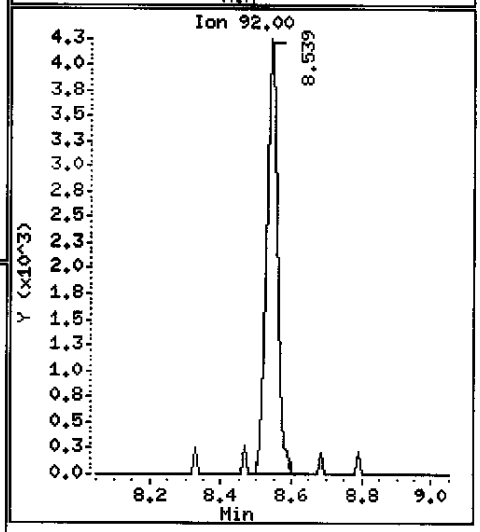
Column phase: DB-624 Column diameter: 0.25

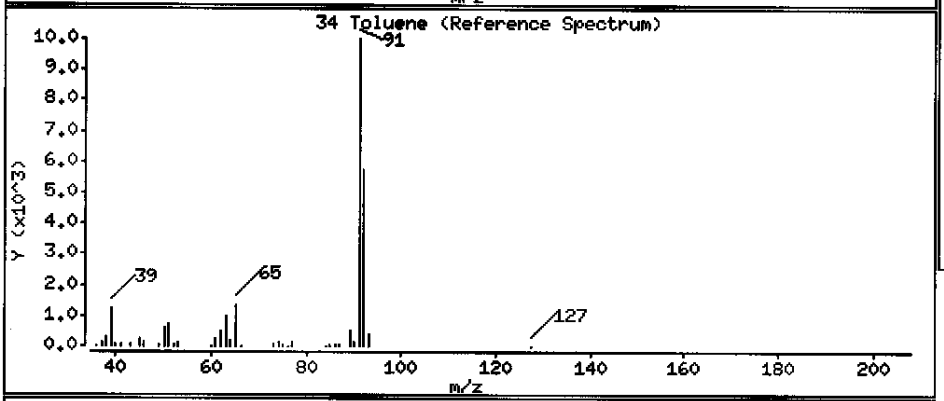
34 Toluene Concentration: 1 ug/L

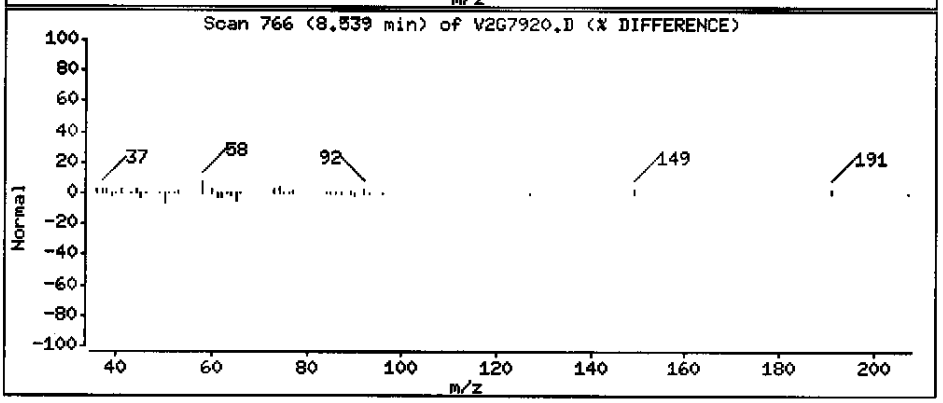












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7920.D

Date : 13-APR-2005 15:54

Client ID: BR417432

Instrument: V2.i

Sample Info: ,D0410-02A,,17654

Purge Volume: 5.0

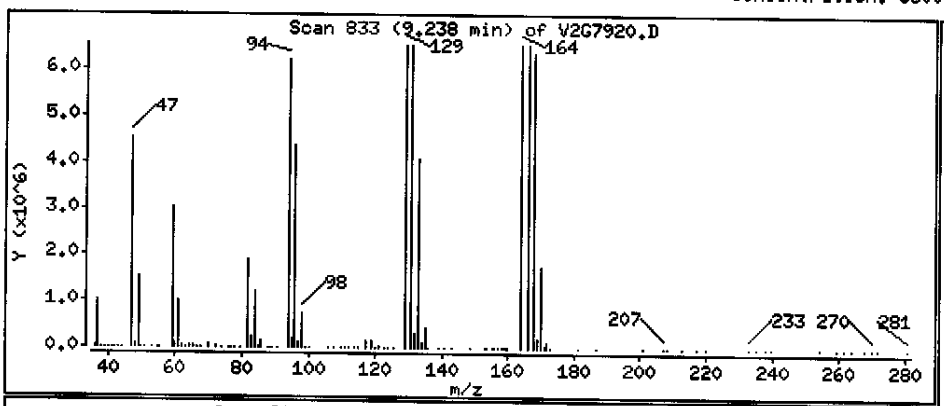
Operator: JC SRC: LIMS

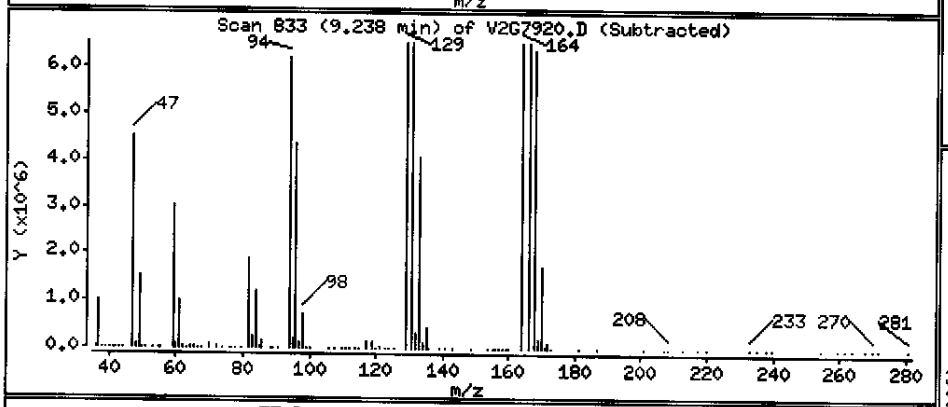
Column phase: DB-624

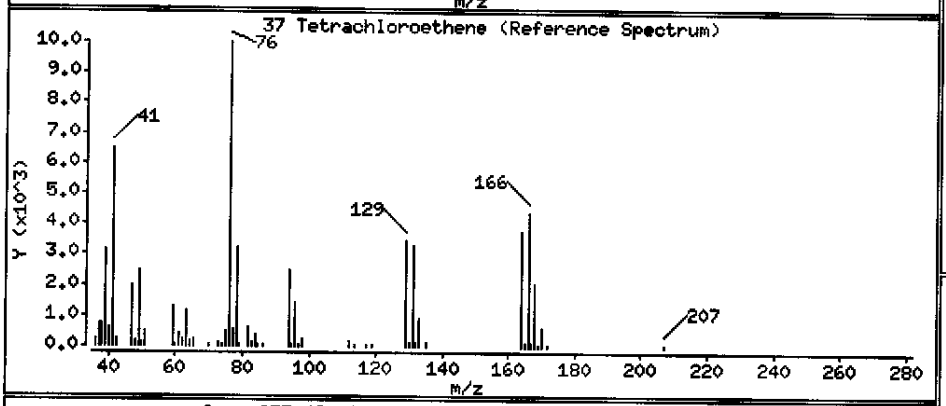
Column diameter: 0.25

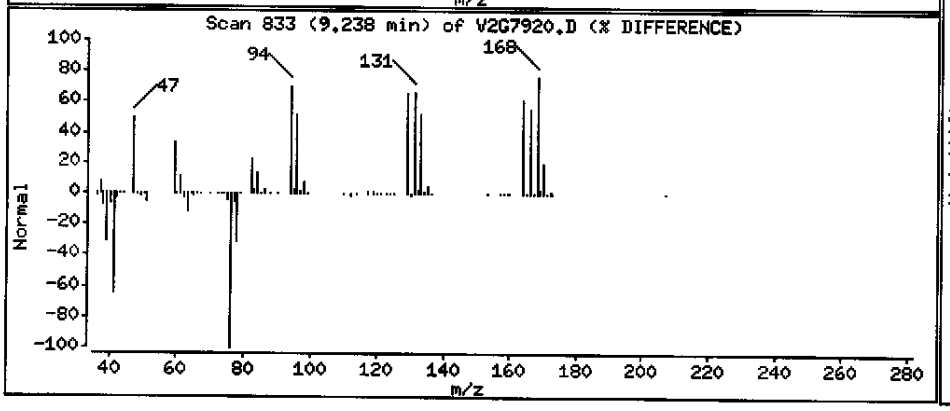
37 Tetrachloroethene

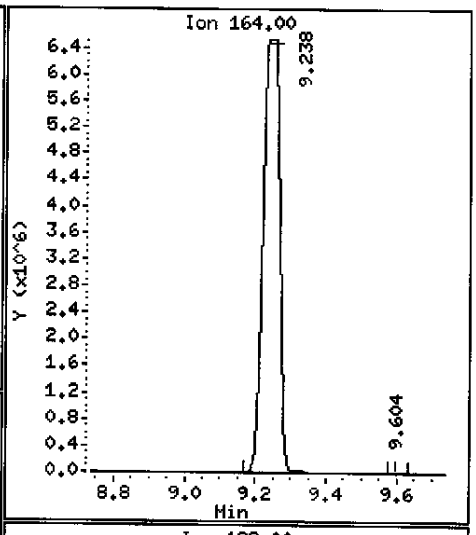
Concentration: 6300 ug/L

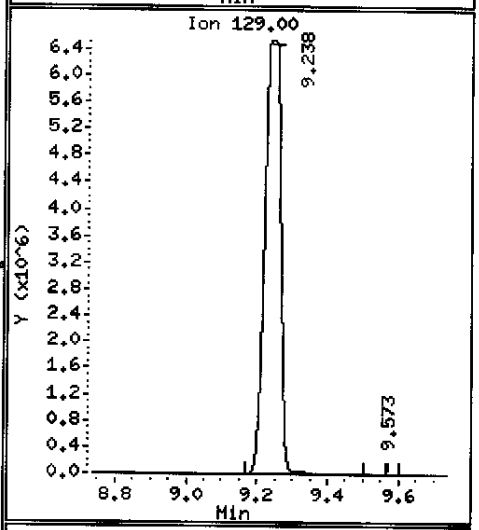


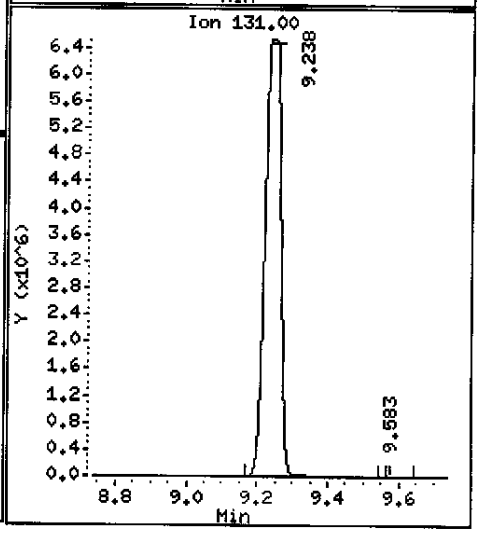












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR417432DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7927

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 80.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	800	U
74-87-3	Chloromethane	800	U
75-01-4	Vinyl Chloride	280	DJ
74-83-9	Bromomethane	800	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	800	U
75-35-4	1,1-Dichloroethene	800	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	800	U
67-64-1	Acetone	800	U
75-15-0	Carbon Disulfide	800	U
79-20-9	Methyl Acetate	800	U
75-09-2	Methylene Chloride	800	U
156-60-5	trans-1,2-Dichloroethene	800	U
1634-04-4	Methyl tert-Butyl Ether	800	U
75-34-3	1,1-Dichloroethane	800	U
156-59-2	cis-1,2-Dichloroethene	1700	D
78-93-3	2-Butanone	800	U
67-66-3	Chloroform	800	U
71-55-6	1,1,1-Trichloroethane	800	U
110-82-7	Cyclohexane	800	U
56-23-5	Carbon Tetrachloride	800	U
71-43-2	Benzene	800	U
107-06-2	1,2-Dichloroethane	800	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR417432DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7927

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 80.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	3300	D
108-87-2	Methylcyclohexane	800	U
78-87-5	1,2-Dichloropropane	800	U
75-27-4	Bromodichloromethane	800	U
10061-01-5	cis-1,3-Dichloropropene	800	U
108-10-1	4-Methyl-2-Pentanone	800	U
108-88-3	Toluene	800	U
10061-02-6	trans-1,3-Dichloropropene	800	U
79-00-5	1,1,2-Trichloroethane	800	U
127-18-4	Tetrachloroethene	10000	D
591-78-6	2-Hexanone	800	U
124-48-1	Dibromochloromethane	800	U
106-93-4	1,2-Dibromoethane	800	U
108-90-7	Chlorobenzene	800	U
100-41-4	Ethylbenzene	800	U
1330-20-7	Xylene (Total)	800	U
100-42-5	Styrene	800	U
75-25-2	Bromoform	800	U
98-82-8	Isopropylbenzene	800	U
79-34-5	1,1,2,2-Tetrachloroethane	800	U
541-73-1	1,3-Dichlorobenzene	800	U
106-46-7	1,4-Dichlorobenzene	800	U
95-50-1	1,2-Dichlorobenzene	800	U
96-12-8	1,2-Dibromo-3-chloropropane	800	U
120-82-1	1,2,4-Trichlorobenzene	800	U

1F

EPA SAMPLE NO.

BR417432DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7927

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 80.0

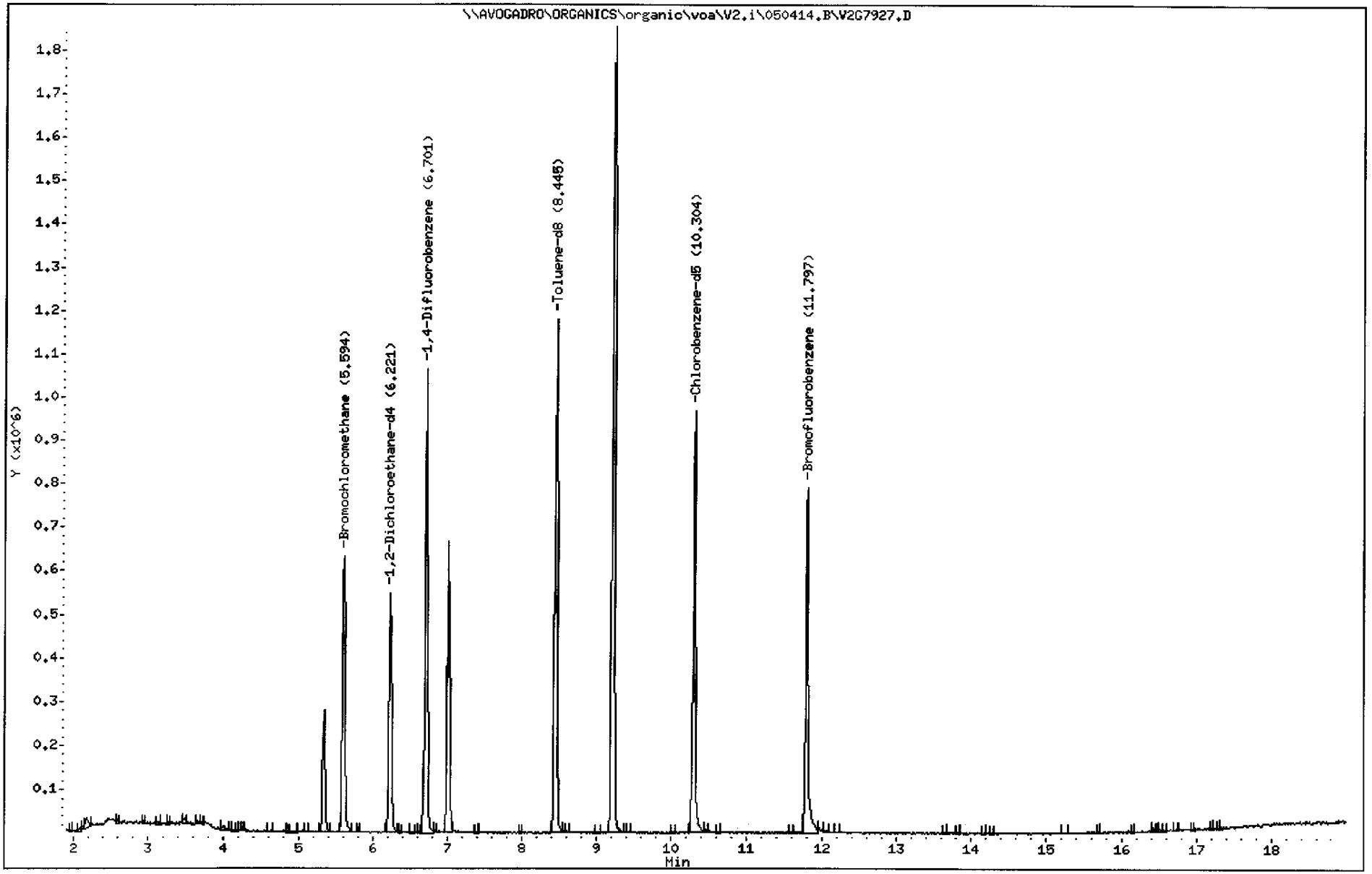
Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7927.D
Date : 14-APR-2005 15:03
Client ID: BR417432DL
Instrument: V2.i
Sample Info: ,D0410-02ADL,,17666,80
Purge Volume: 5.0
Operator: JC SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



3900

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7927.D
Report Date: 03-May-2005 12:04

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7927.D
Lab Smp Id: D0410-02ADL Client Smp ID: BR417432DL
Inj Date : 14-APR-2005 15:03
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-02ADL,,17666,80
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D ✓
Als bottle: 7
Dil Factor: 80.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	80.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
3 Vinyl Chloride	62	2.170	2.210	(0.388)	27292	3.52474	280(a)
17 cis-1,2-Dichloroethene	96	5.333	5.342	(0.953)	134112	21.5630	1700
* 18 Bromochloromethane	128	5.594	5.593	(1.000)	210965	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.221	6.230	(1.112)	550801	51.2335	51
* 26 1,4-Difluorobenzene	114	6.701	6.710	(1.000)	918437	50.0000	
27 Trichloroethene	130	7.004	7.013	(1.045)	240551	41.4031	3300
$ 33 Toluene-d8	98	8.445	8.454	(0.820)	907833	52.5820	53
37 Tetrachloroethene	164	9.218	9.226	(0.895)	524365	125.663	10000
* 42 Chlorobenzene-d5	117	10.304	10.312	(1.000)	663528	50.0000	
$ 50 Bromofluorobenzene	95	11.786	11.795	(1.144)	369397	49.9919	50

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SB 5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7927.D
Report Date: 03-May-2005 12:04

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7927.D
Lab Smp Id: D0410-02ADL Client Smp ID: BR417432DL
Inj Date : 14-APR-2005 15:03
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-02ADL,,17666,80
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D
Als bottle: 7
Dil Factor: 80.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7927.D

Date : 14-APR-2005 15:03

Client ID: BR417432DL

Instrument: V2.i

Sample Info: ,D0410-02ADL,,17666,80

Purge Volume: 5.0

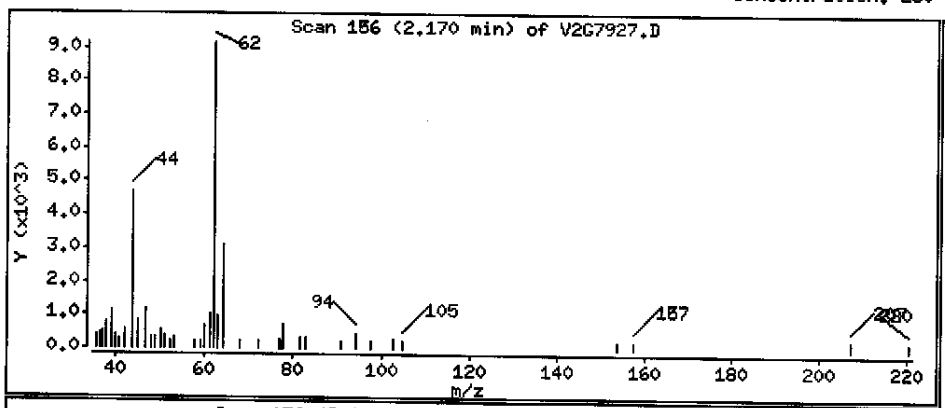
Operator: JC SRC: LIMS

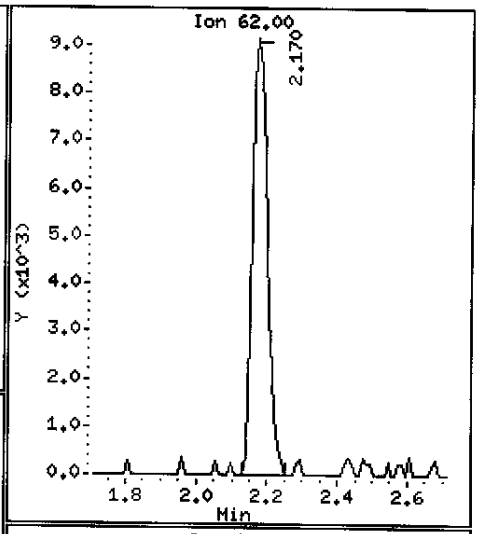
Column phase: DB-624

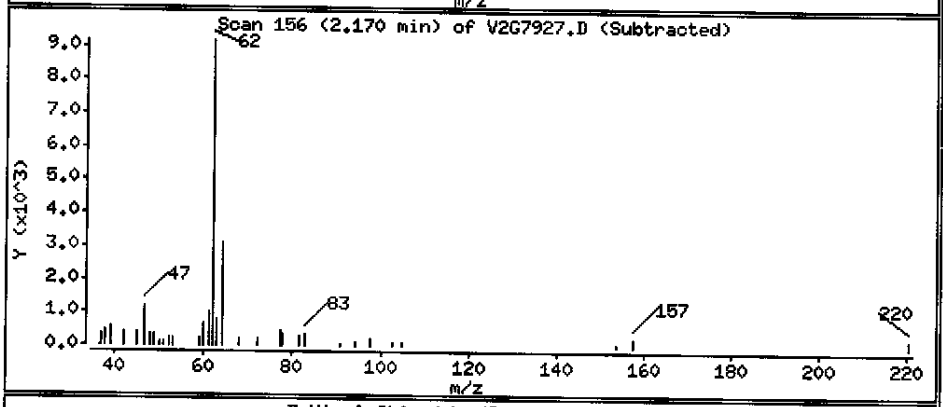
Column diameter: 0.25

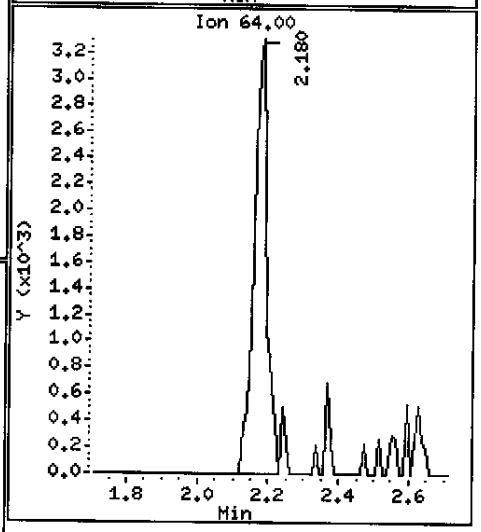
3 Vinyl Chloride

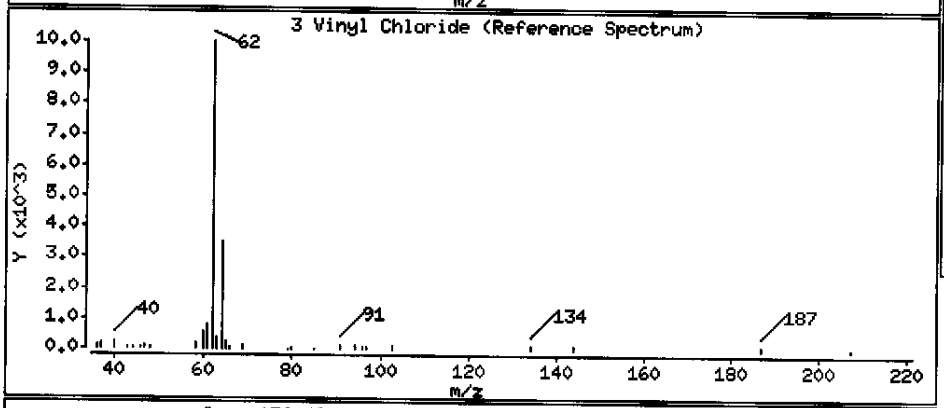
Concentration: 280 ug/L

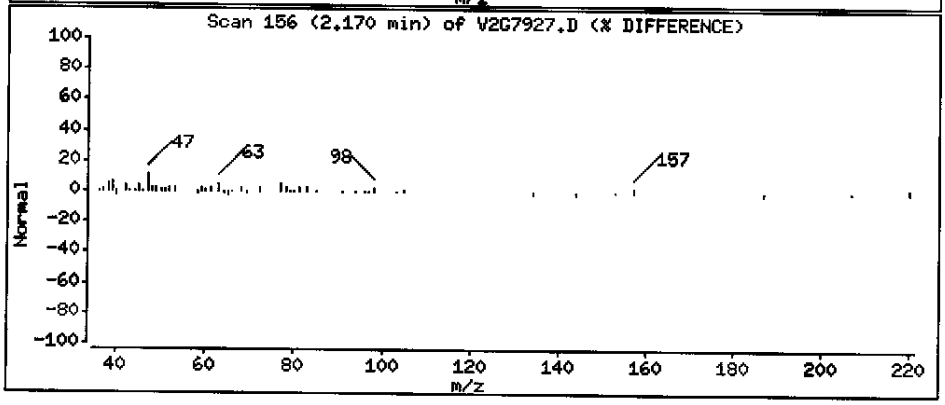












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7927.D

Date : 14-APR-2005 15:03

Client ID: BR417432DL

Instrument: V2.i

Sample Info: ,D0410-02ADL,,17666,80

Purge Volume: 5.0

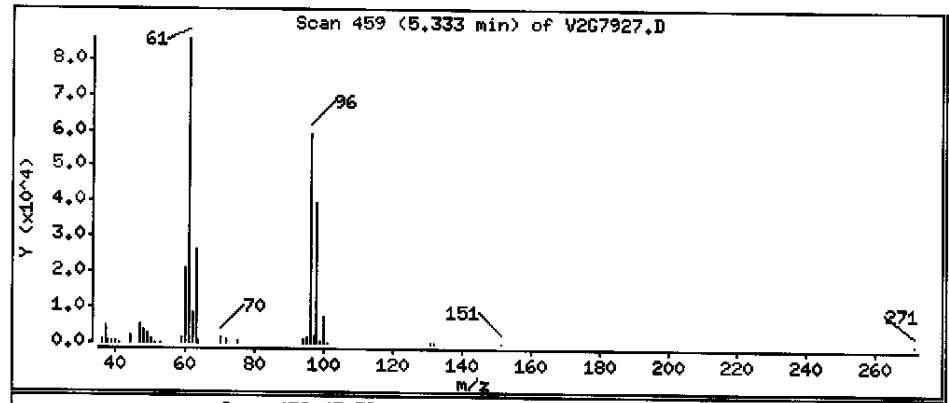
Operator: JC SRC: LIMS

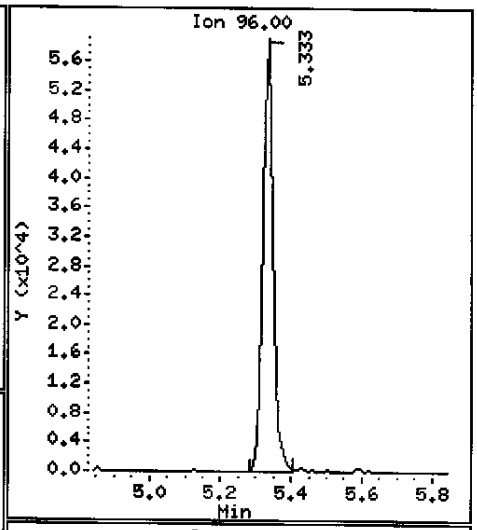
Column phase: DB-624

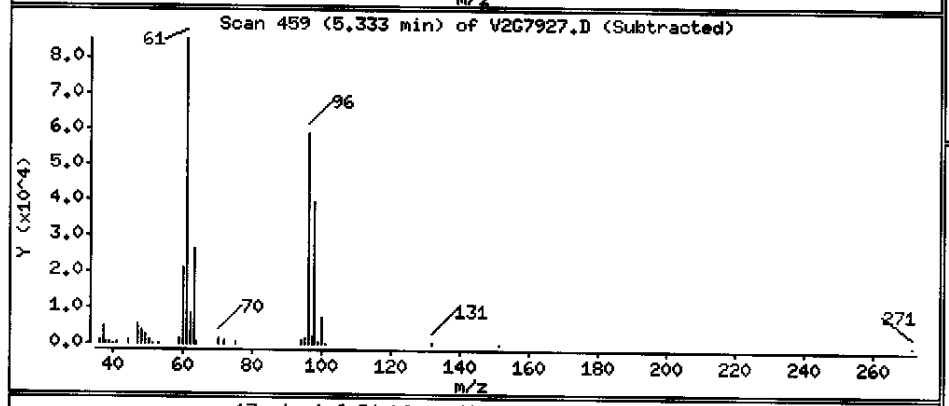
Column diameter: 0.25

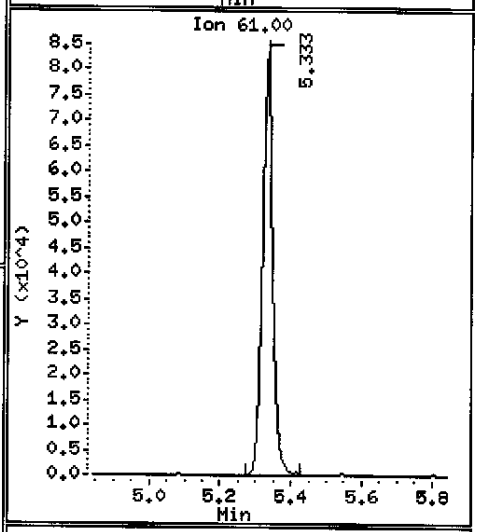
17 cis-1,2-Dichloroethene

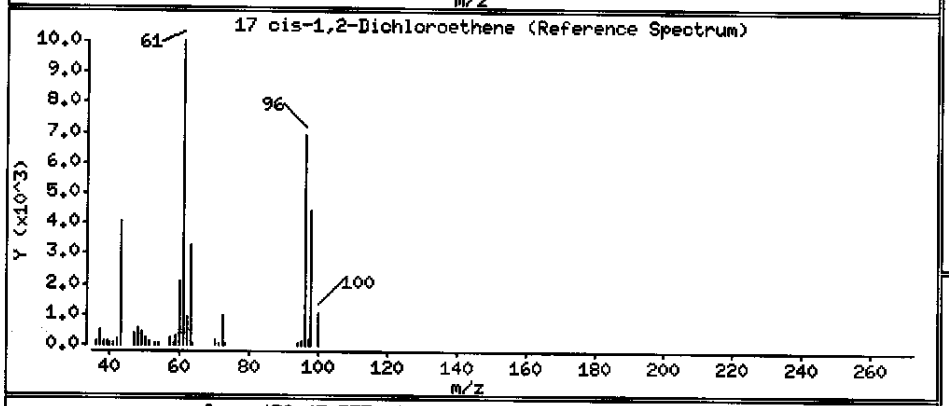
Concentration: 1700 ug/L

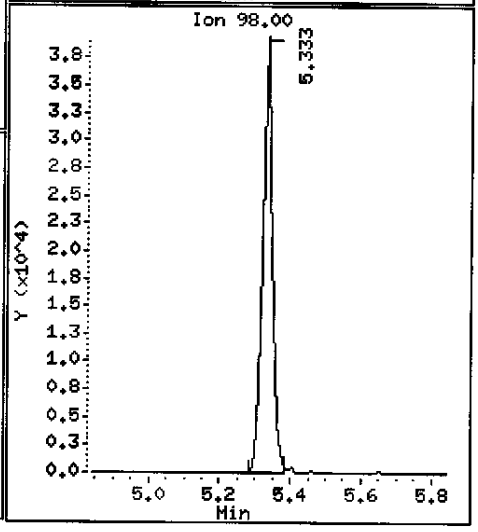


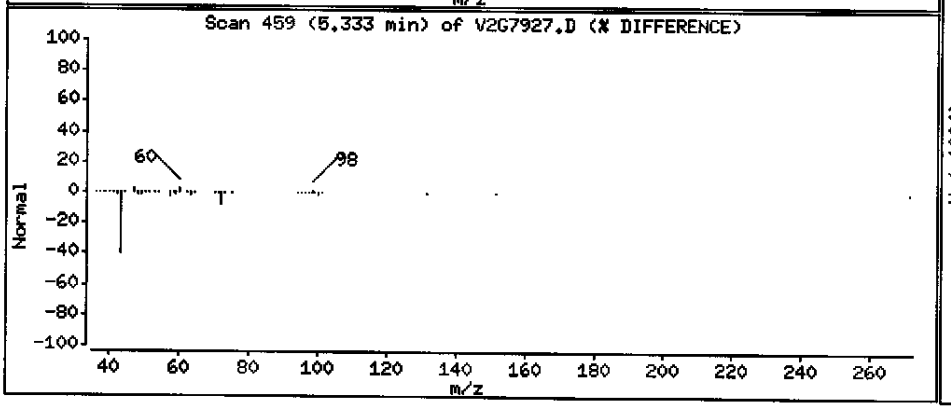












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7927.D

Date : 14-APR-2005 15:03

Client ID: BR417432DL

Instrument: V2.i

Sample Info: ,D0410-02ADL,,17666,80

Purge Volume: 5.0

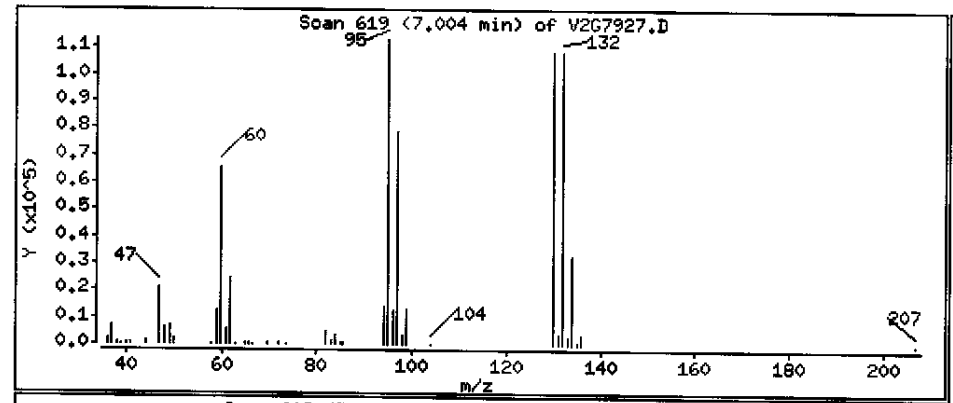
Operator: JC SRC: LIMS

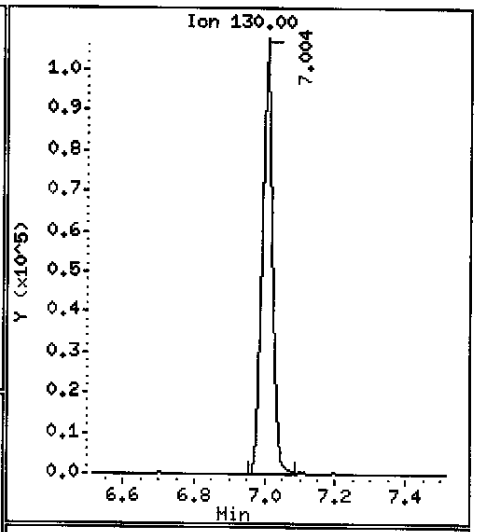
Column phase: DB-624

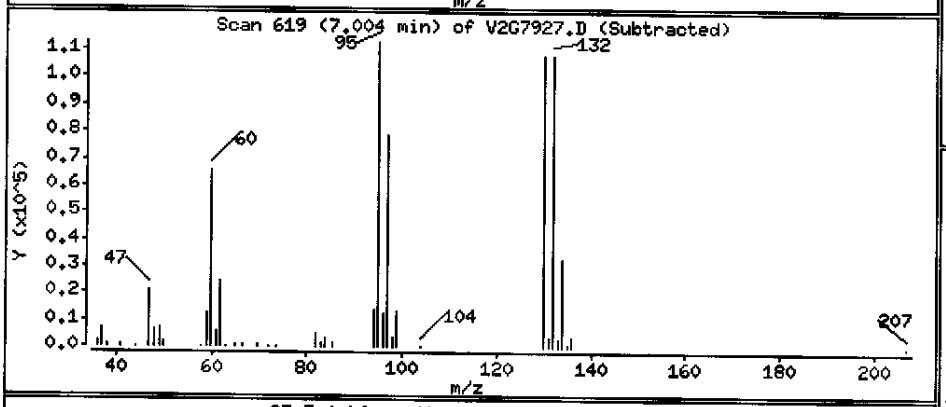
Column diameter: 0.25

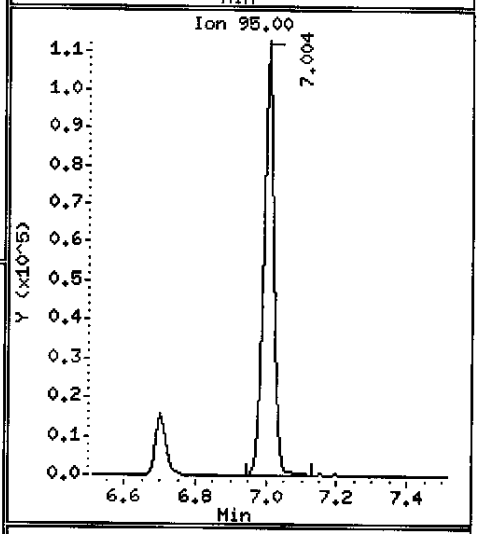
27 Trichloroethene

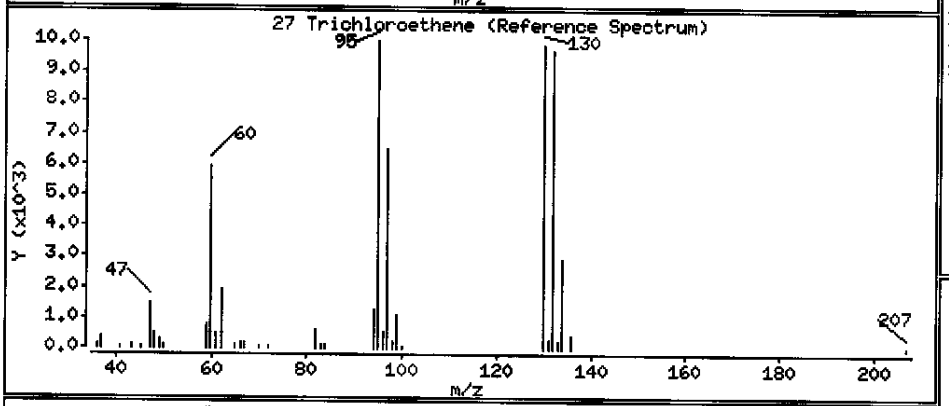
Concentration: 3300 ug/L

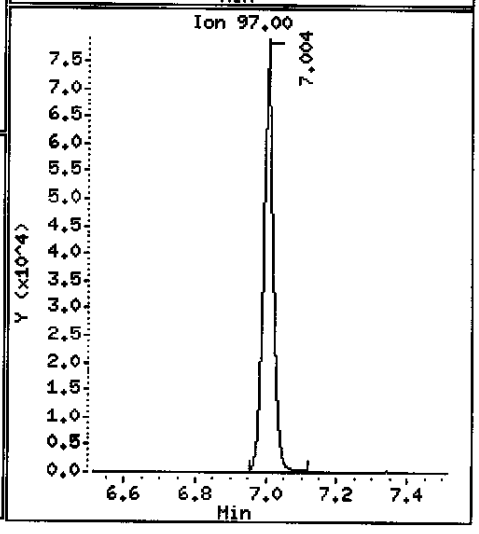


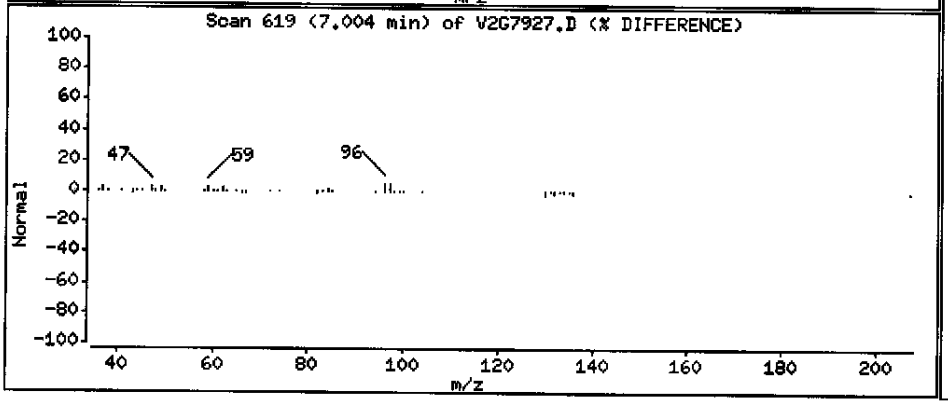












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7927.D

Date : 14-APR-2005 15:03

Client ID: BR417432DL

Instrument: V2.i

Sample Info: ,D0410-02ADL,,17666,80

Purge Volume: 5.0

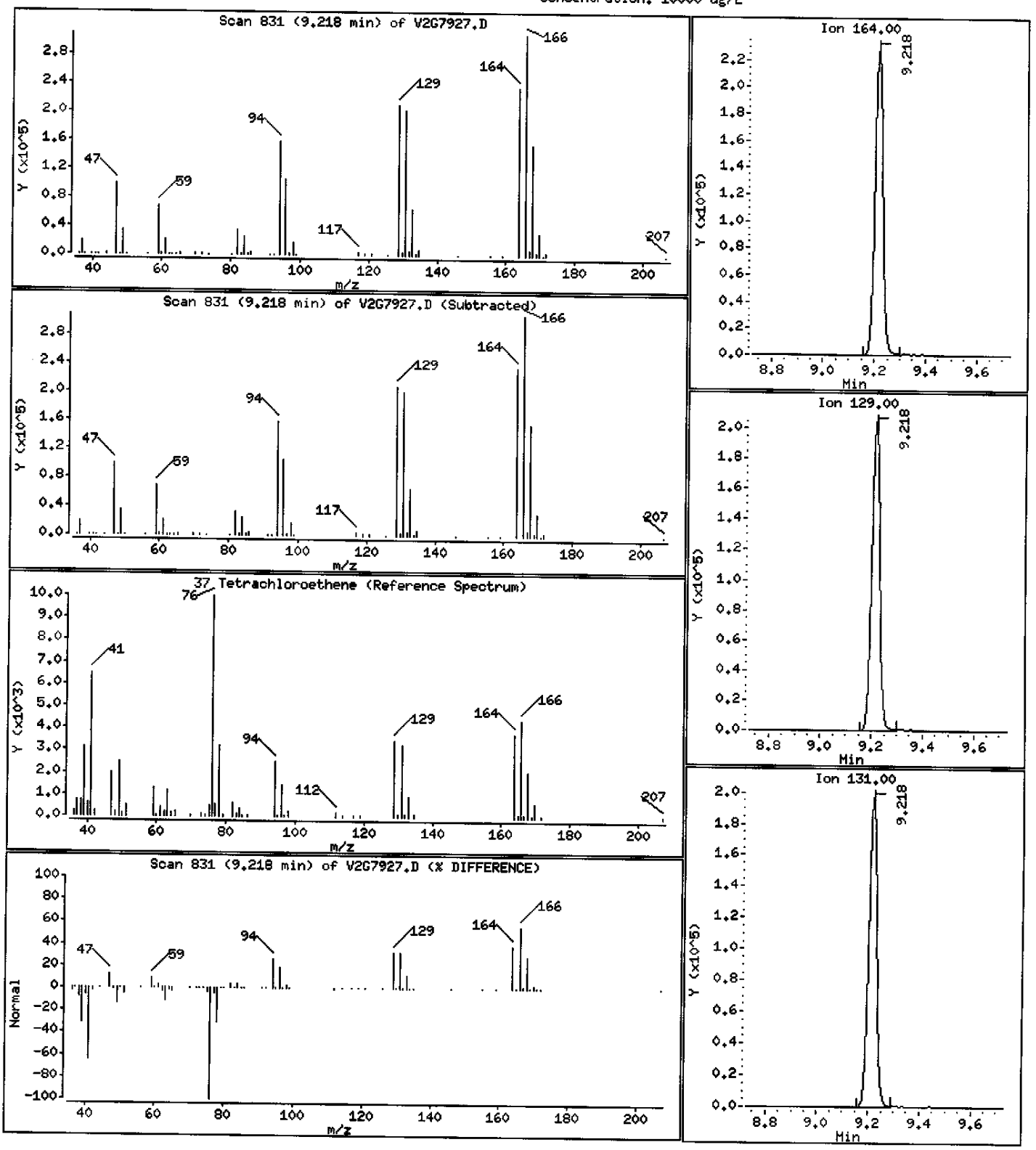
Operator: JC SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

37 Tetrachloroethene

Concentration: 10000 ug/L



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR547562

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7921

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	150	
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	19	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	6	J
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	2	J
156-59-2	cis-1,2-Dichloroethene	830	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	1	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	2	J
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR547562

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7921

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	1500	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	2600	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

BR547562

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7921

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

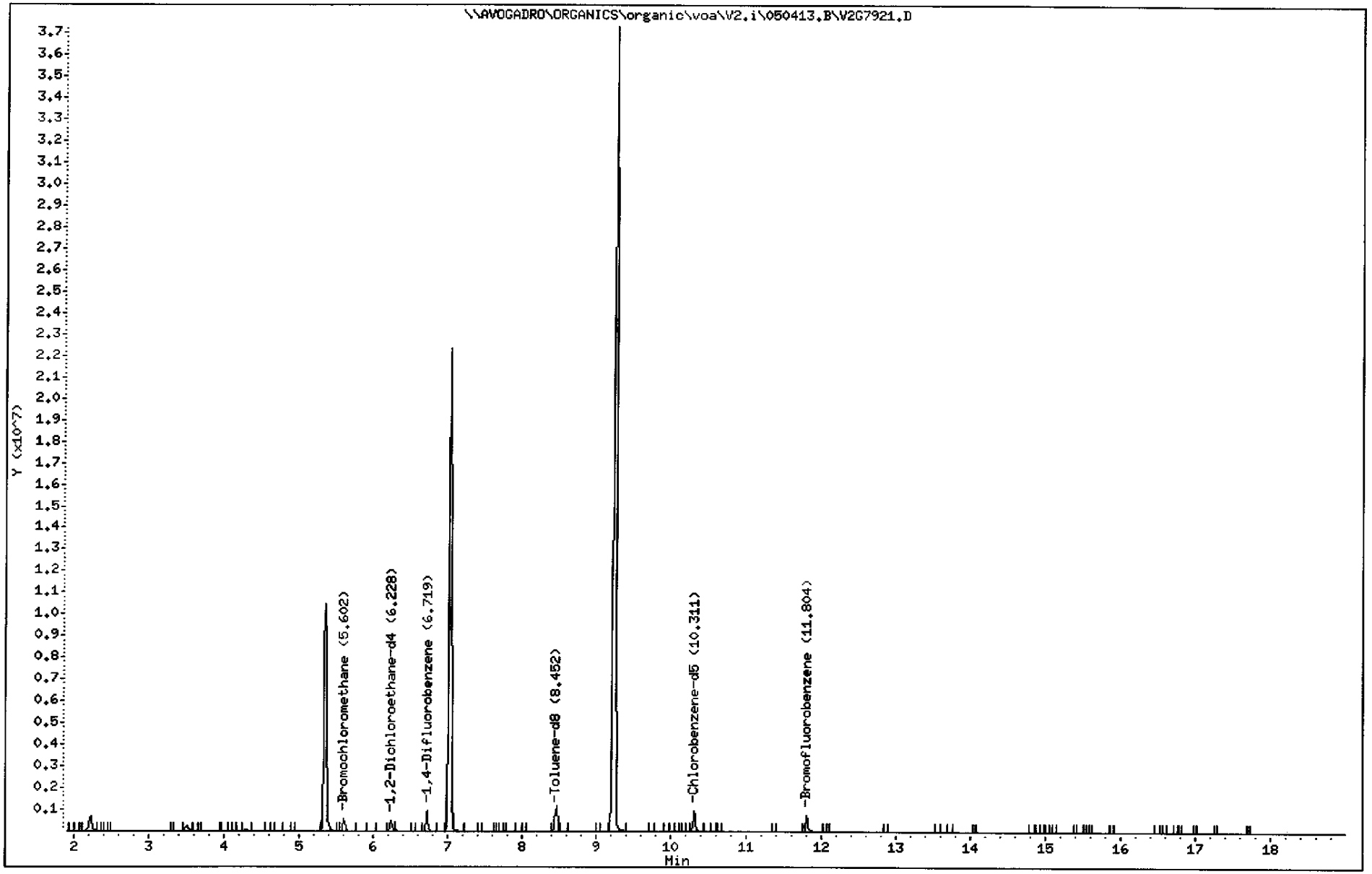
Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7921.D
Date : 13-APR-2005 16:20
Client ID: BR547562
Instrument: V2.i
Sample Info: ,D0410-03A,,17654
Purge Volume: 5.0
Operator: JC SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



0073

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7921.D
Report Date: 03-May-2005 11:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7921.D
Lab Smp Id: D0410-03A Client Smp ID: BR547562
Inj Date : 13-APR-2005 16:20
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-03A,,17654
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	3 Vinyl Chloride	62	2.219	2.219	(0.396)	1000277	147.436	150
	7 1,1-Dichloroethene	96	3.493	3.514	(0.623)	114377	18.7416	19
	13 trans-1,2-Dichloroethene	96	4.286	4.286	(0.765)	42843	6.46703	6(a)
	15 1,1-Dichloroethane	63	4.725	4.725	(0.843)	23916	2.14310	2(a)
	17 cis-1,2-Dichloroethene	96	5.341	5.351	(0.953)	5049869	832.485	830(A)
*	18 Bromochloromethane	128	5.602	5.602	(1.000)	191379	50.0000	
	21 Cyclohexane	56	5.946	5.947	(0.885)	5901	1.02604	1(a)
$	23 1,2-Dichloroethane-d4	65	6.228	6.239	(1.112)	497996	48.0287	48
	25 Benzene	78	6.301	6.301	(0.938)	30451	1.71817	2(a)
*	26 1,4-Difluorobenzene	114	6.719	6.719	(1.000)	844042	50.0000	
	27 Trichloroethene	130	7.022	7.022	(1.045)	8105106	1490.65	1500(A)
$	33 Toluene-d8	98	8.463	8.463	(0.821)	895498	51.5871	52
	37 Tetrachloroethene	164	9.236	9.236	(0.896)	10325275	2588.07	2600(A)
*	42 Chlorobenzene-d5	117	10.311	10.322	(1.000)	625501	50.0000	
$	50 Bromofluorobenzene	95	11.804	11.804	(1.145)	338805	48.6335	49

SB 5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7921.D
Report Date: 03-May-2005 11:48

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7921.D
Report Date: 03-May-2005 11:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7921.D
Lab Smp Id: D0410-03A Client Smp ID: BR547562
Inj Date : 13-APR-2005 16:20
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-03A,,17654
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7921.D

Date : 13-APR-2005 16:20

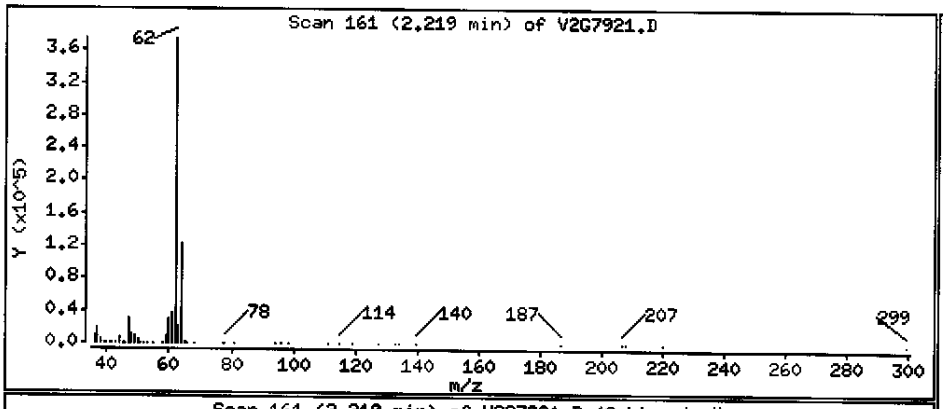
Client ID: BR547562 Instrument: V2.i

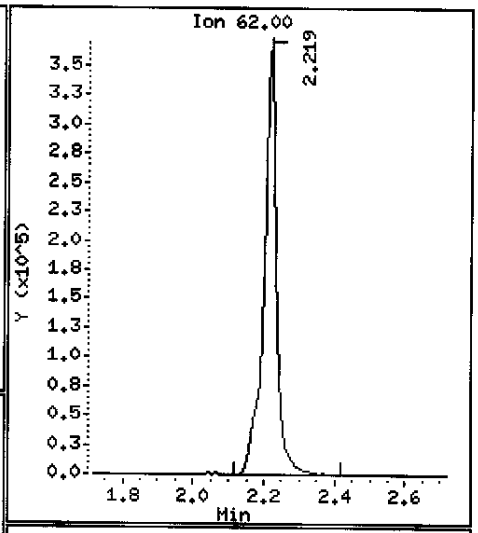
Sample Info: ,D0410-03A,,17654

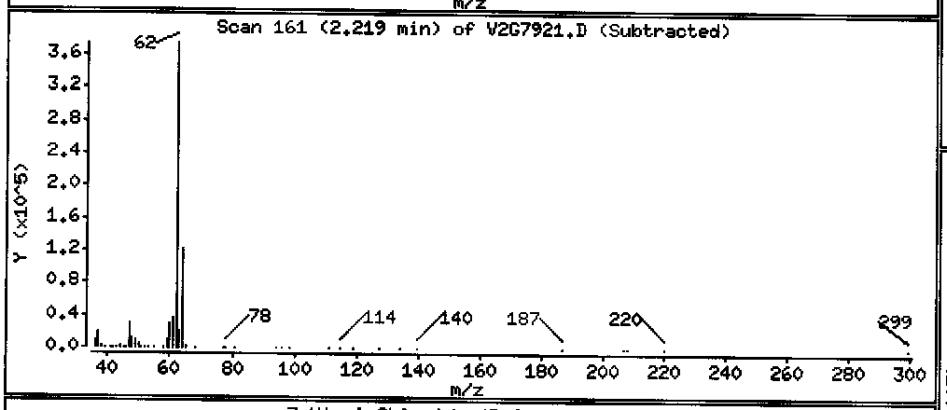
Purge Volume: 5.0 Operator: JC SRC: LIMS

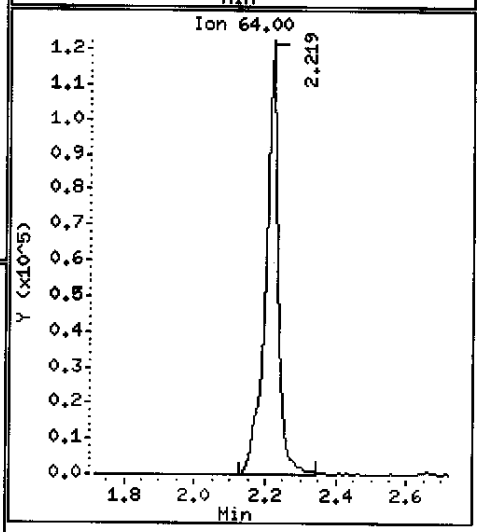
Column phase: DB-624 Column diameter: 0.25

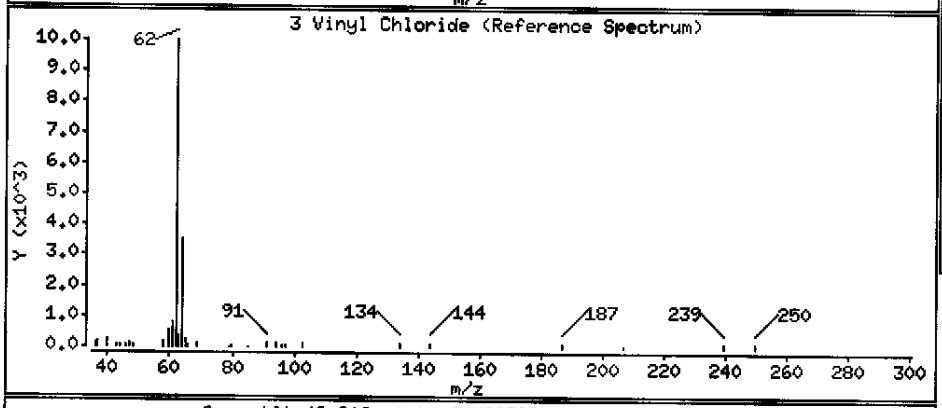
3 Vinyl Chloride Concentration: 150 ug/L

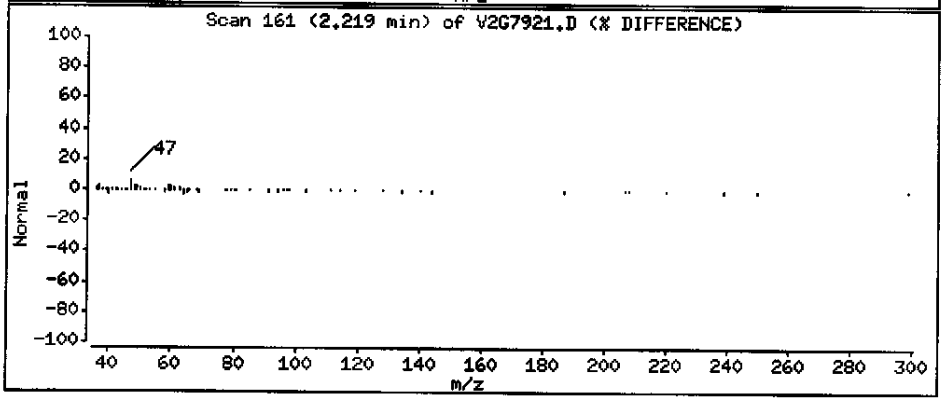












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7921.D

Date : 13-APR-2005 16:20

Client ID: BR547562

Instrument: V2.i

Sample Info: ,D0410-03A,,17654

Purge Volume: 5.0

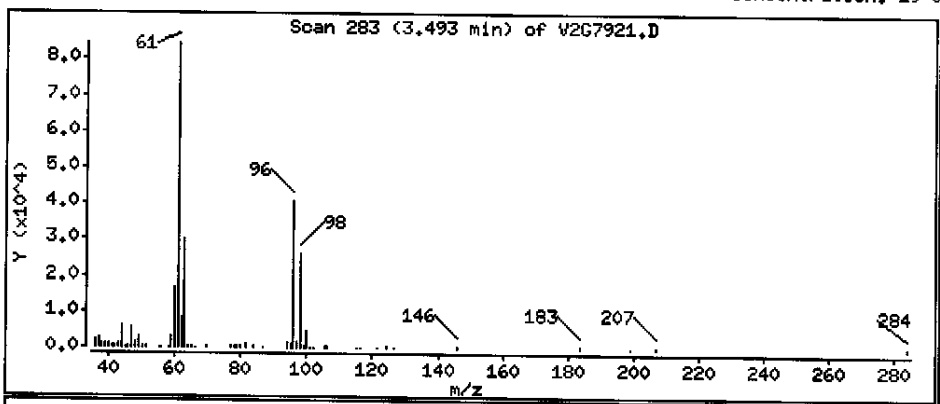
Operator: JC SRC: LIMS

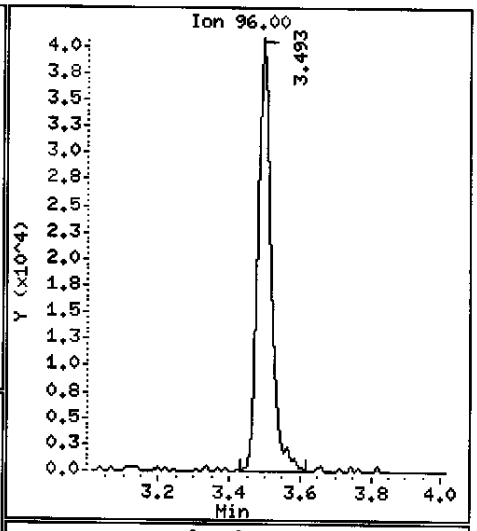
Column phase: DB-624

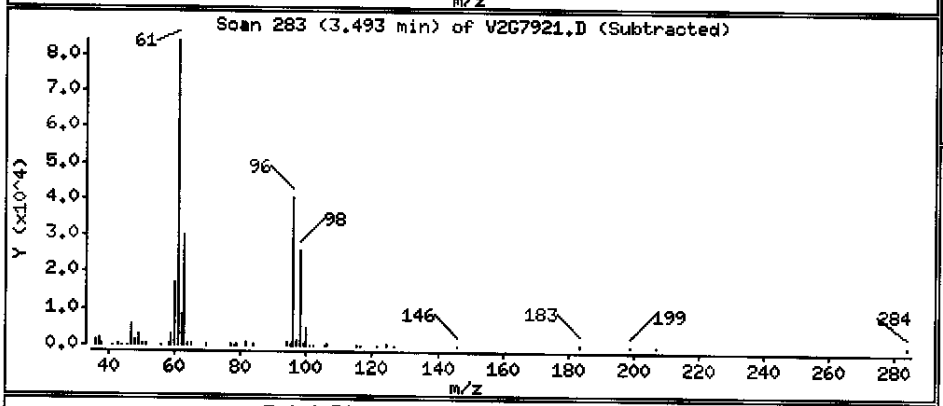
Column diameter: 0.25

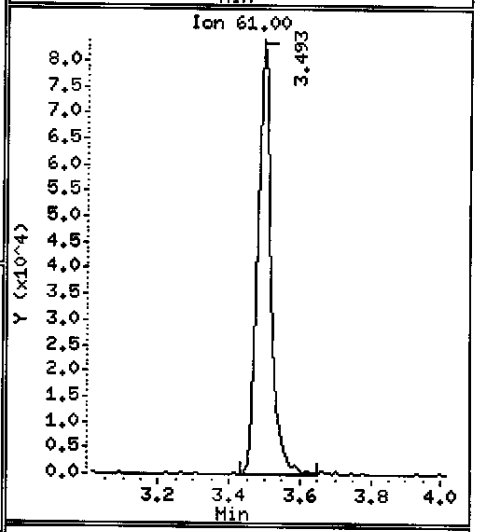
7 1,1-Dichloroethene

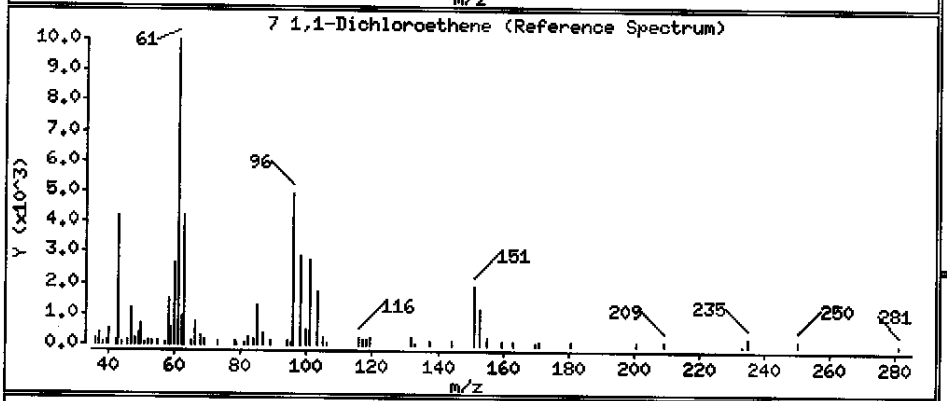
Concentration: 19 ug/L

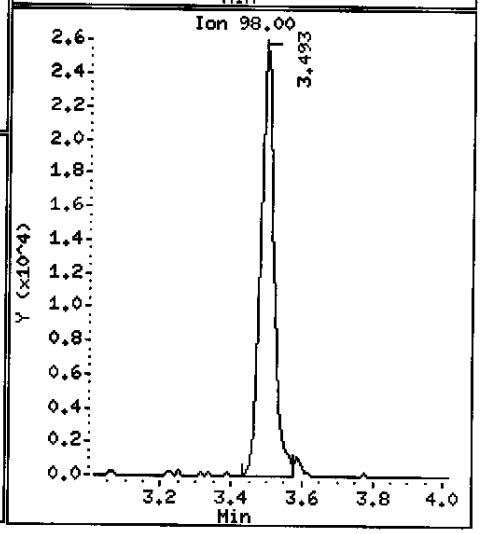


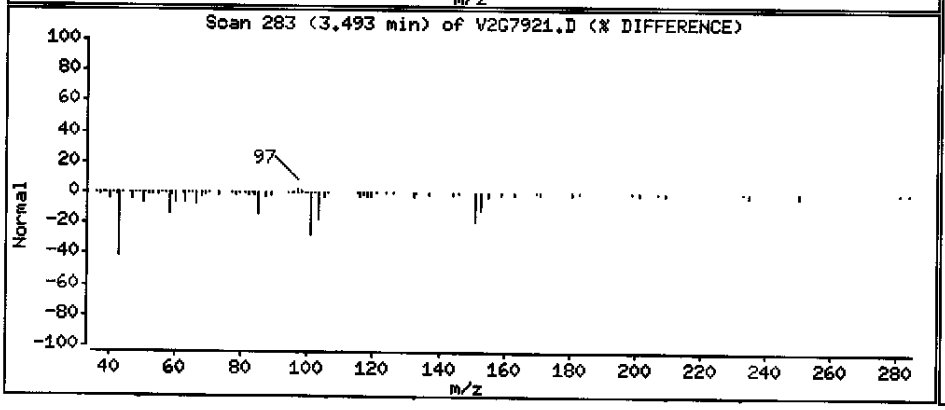












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7921.D

Date : 13-APR-2005 16:20

Client ID: BR547562

Instrument: V2.i

Sample Info: ,D0410-03A,,17654

Purge Volume: 5.0

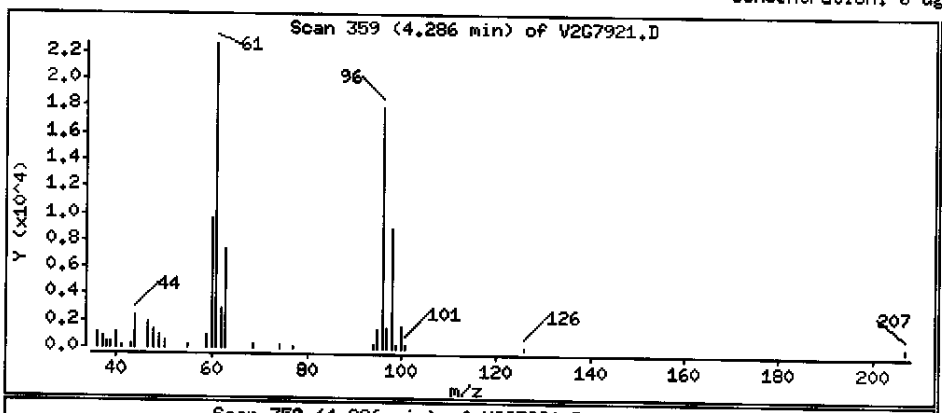
Operator: JC SRC: LIMS

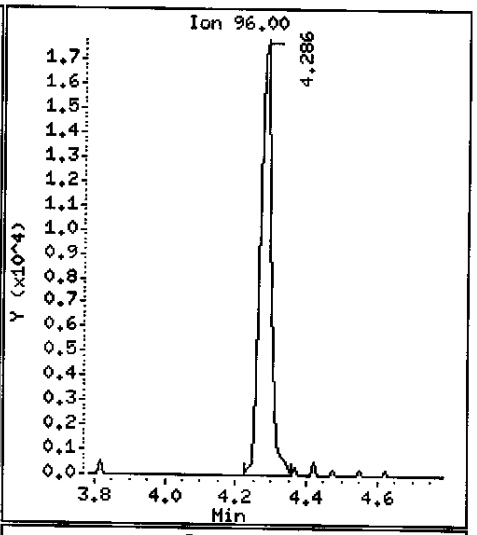
Column phase: DB-624

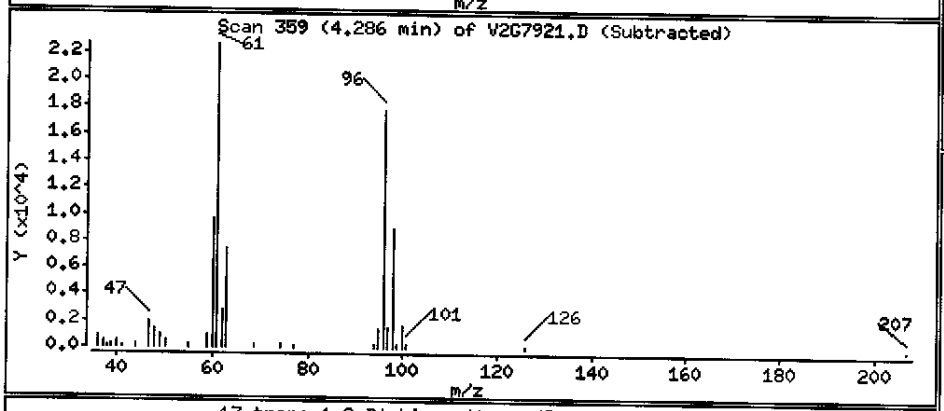
Column diameter: 0.25

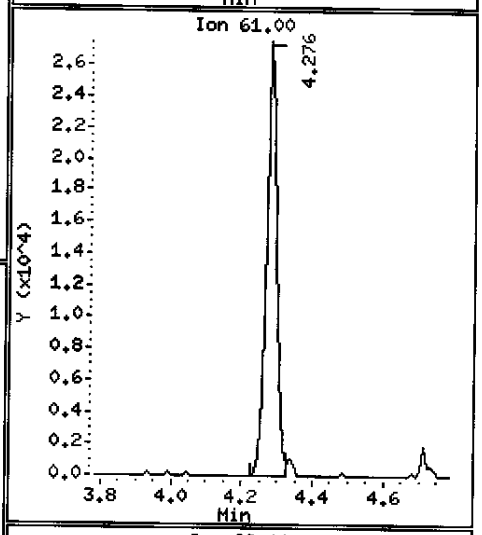
13 trans-1,2-Dichloroethene

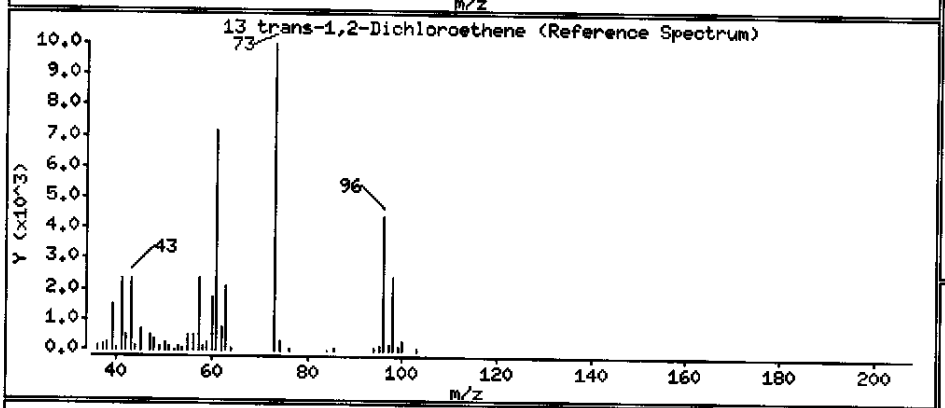
Concentration: 6 ug/L

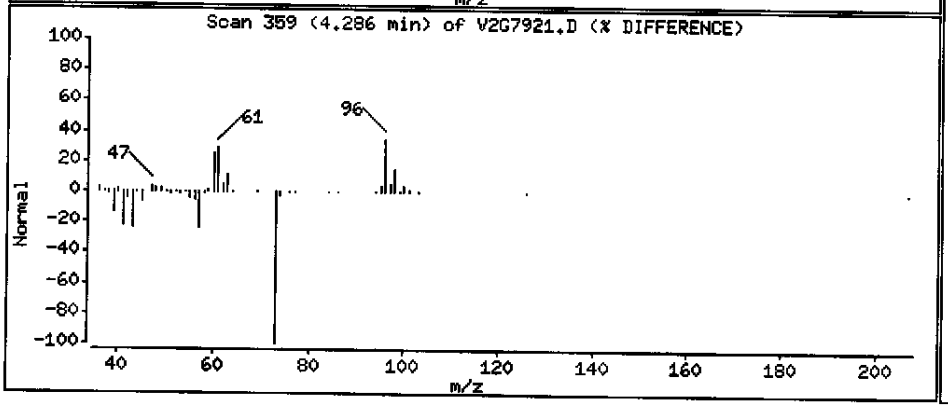


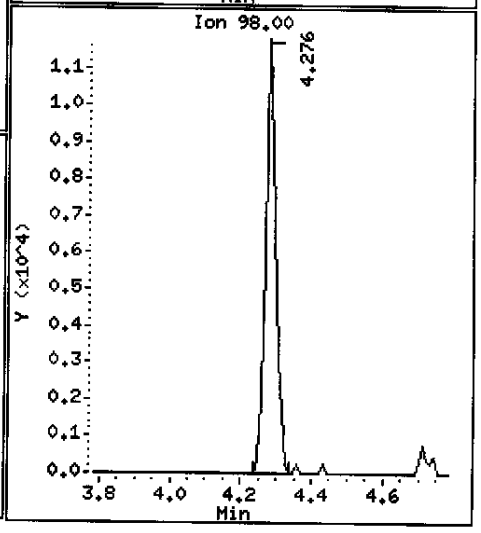












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7921.D

Date : 13-APR-2005 16:20

Client ID: BR547562

Instrument: V2.i

Sample Info: ,D0410-03A,,17654

Purge Volume: 5.0

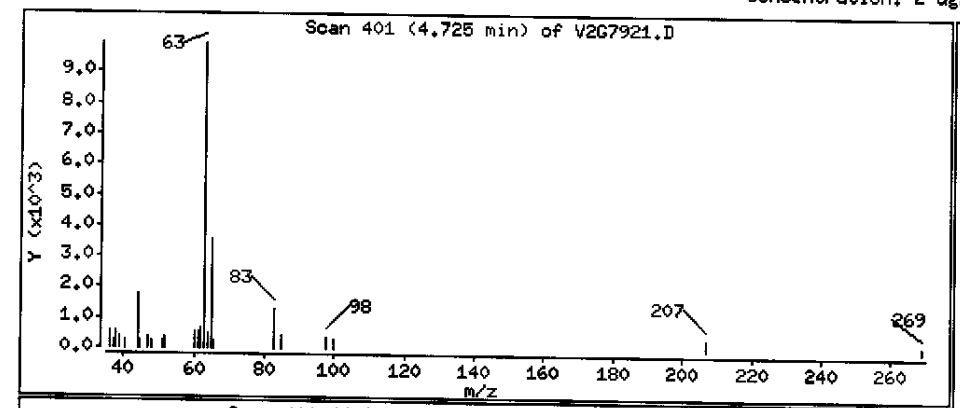
Operator: JC SRC: LIMS

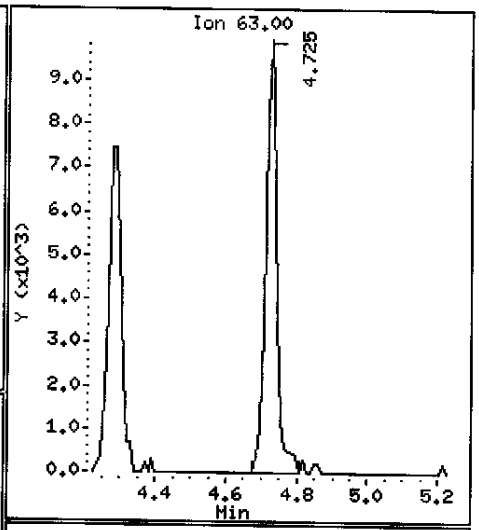
Column phase: DB-624

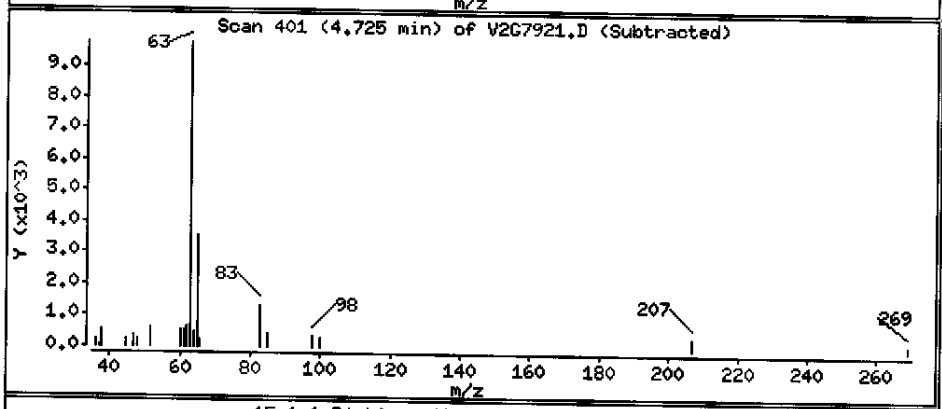
Column diameter: 0.25

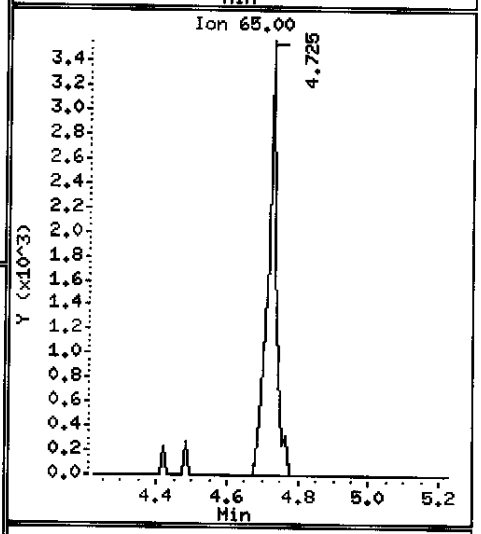
15 1,1-Dichloroethane

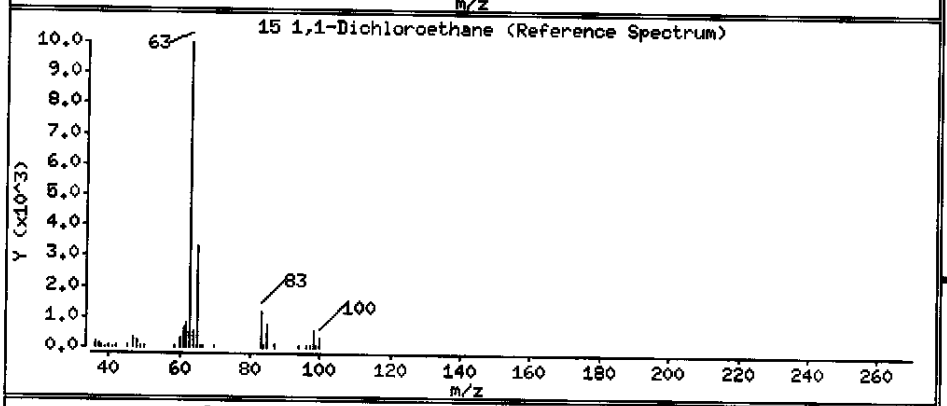
Concentration: 2 ug/L

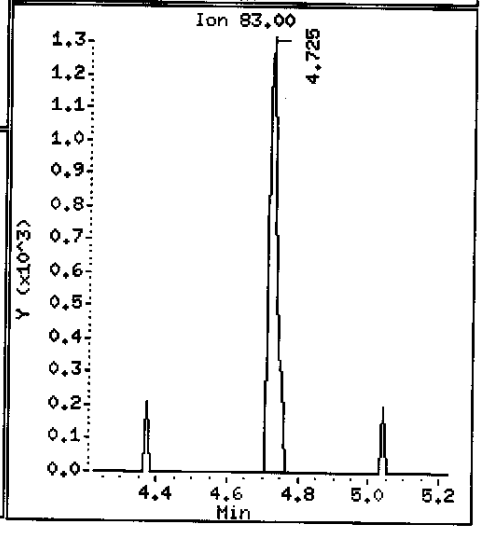


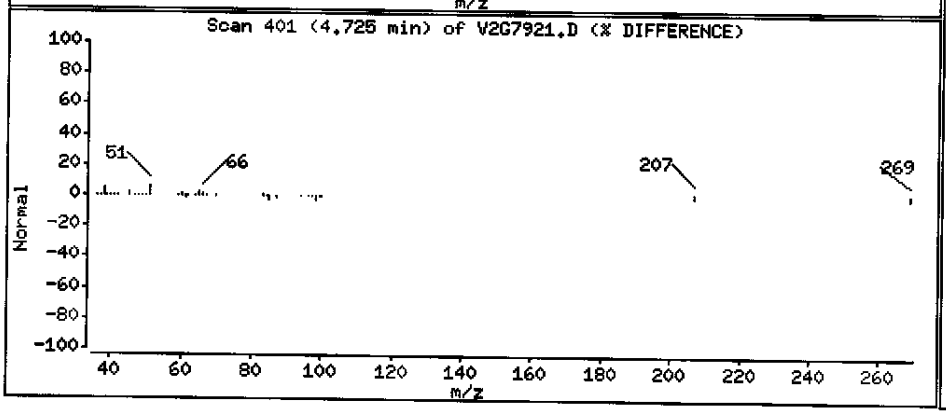












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7921.D

Date : 13-APR-2005 16:20

Client ID: BR547562

Instrument: V2.i

Sample Info: ,D0410-03A,,17654

Purge Volume: 5.0

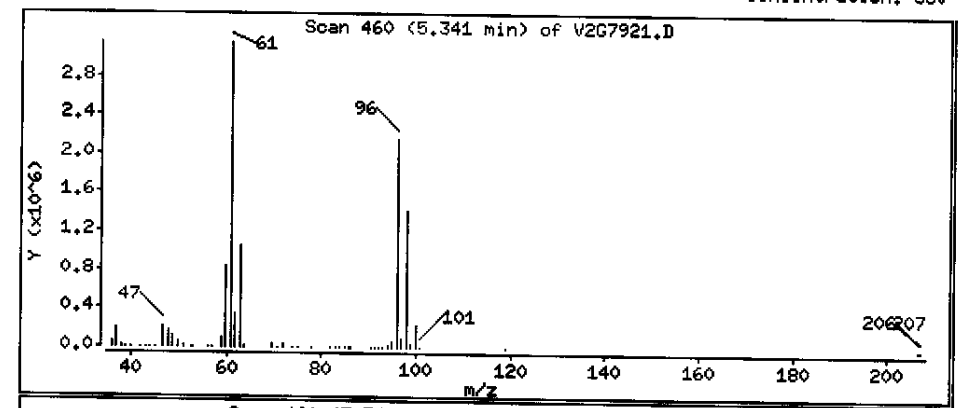
Operator: JC SRC: LIMS

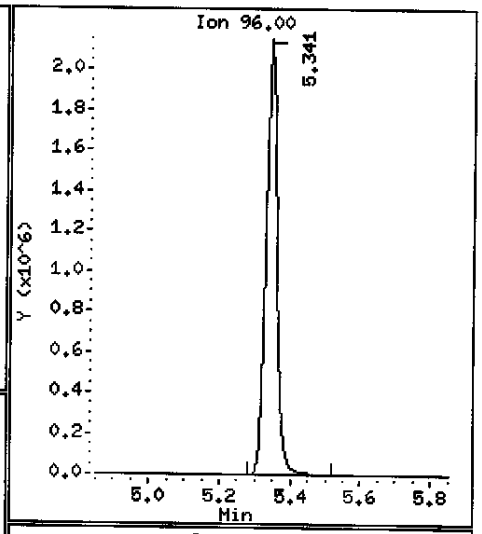
Column phase: DB-624

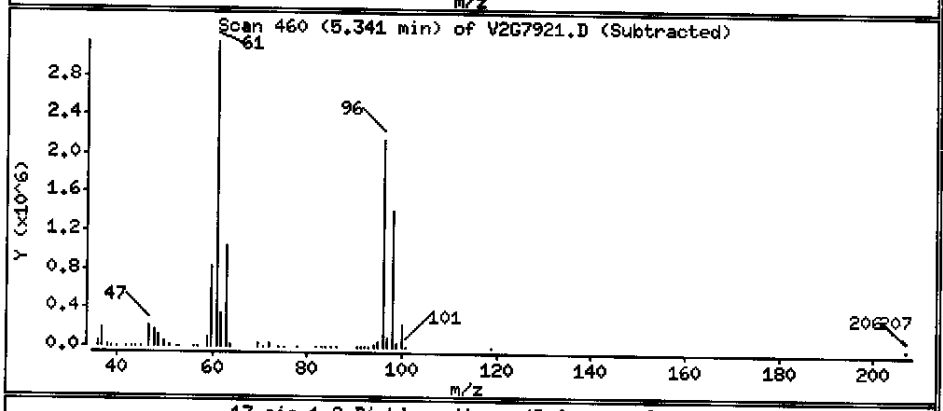
Column diameter: 0.25

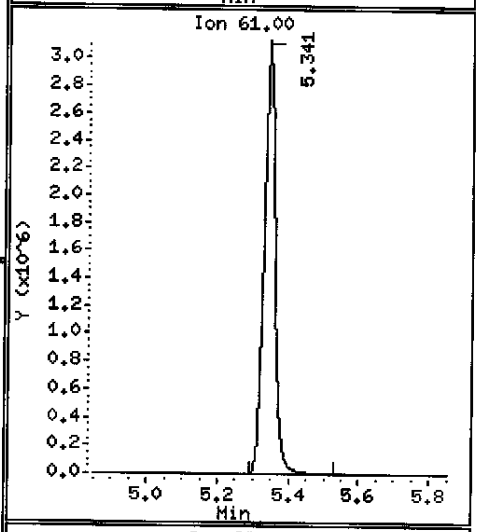
17 cis-1,2-Dichloroethene

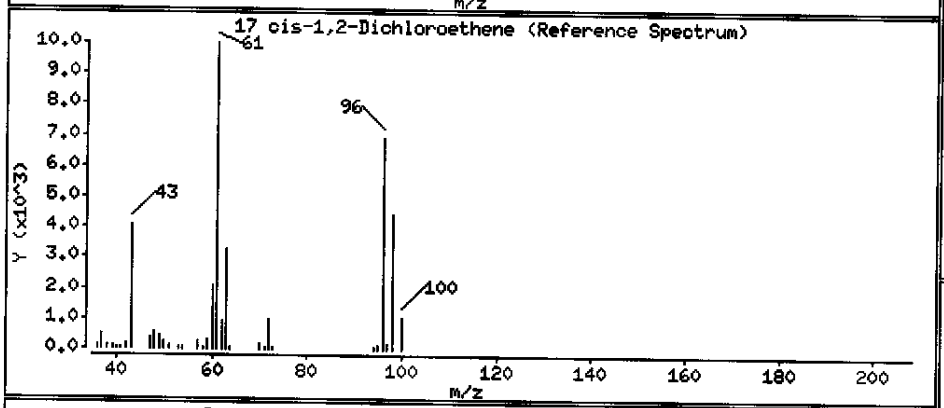
Concentration: 830 ug/L

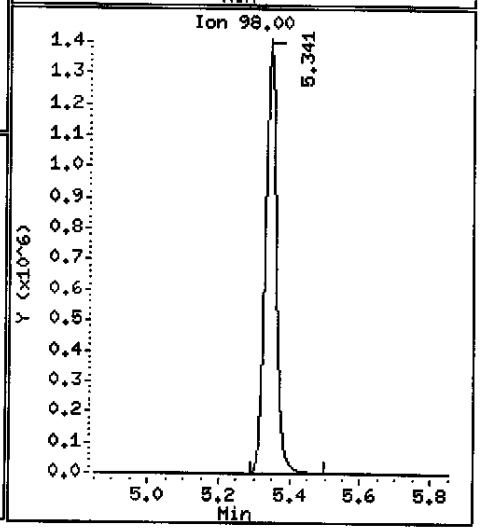


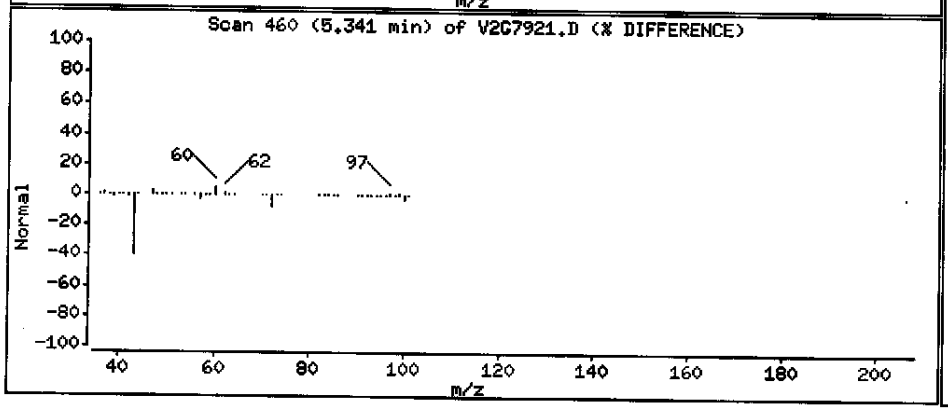












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7921.D

Date : 13-APR-2005 16:20

Client ID: BR547562

Instrument: V2.i

Sample Info: ,D0410-03A,,17654

Purge Volume: 5.0

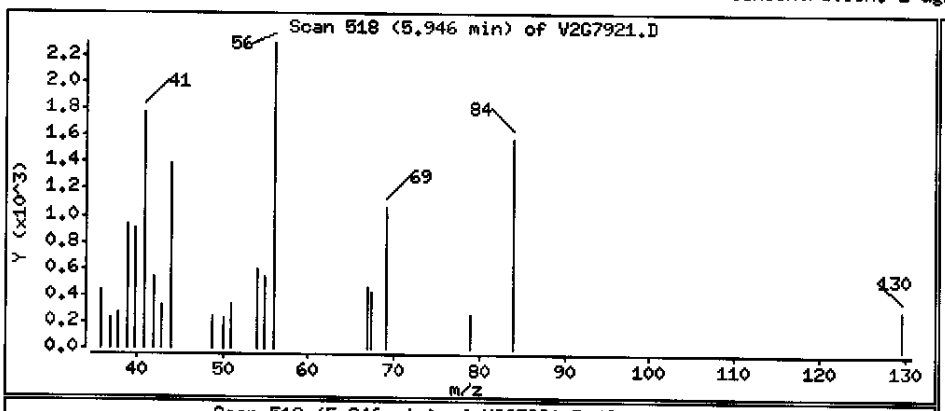
Operator: JC SRC: LIMS

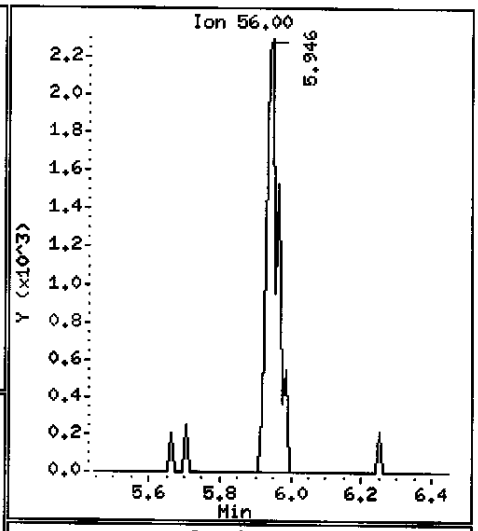
Column phase: DB-624

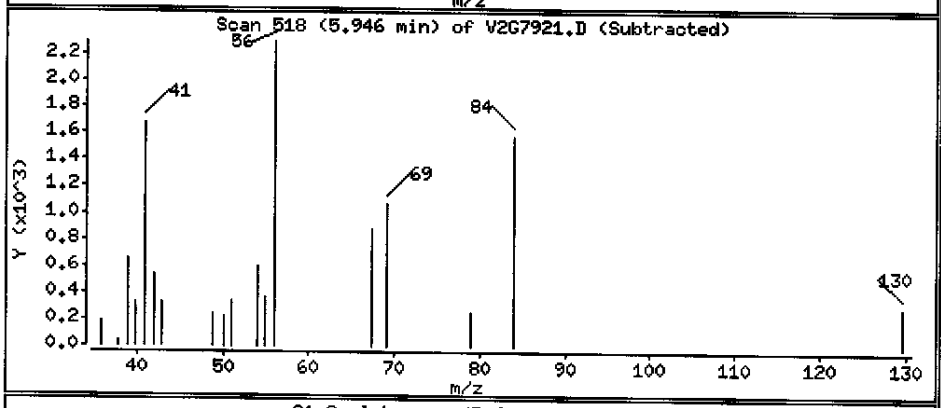
Column diameter: 0.25

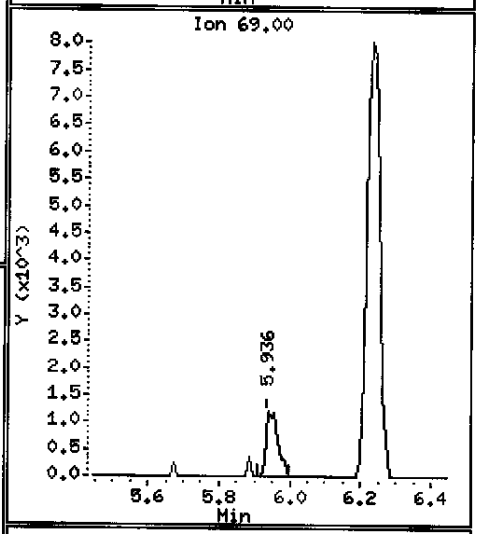
21 Cyclohexane

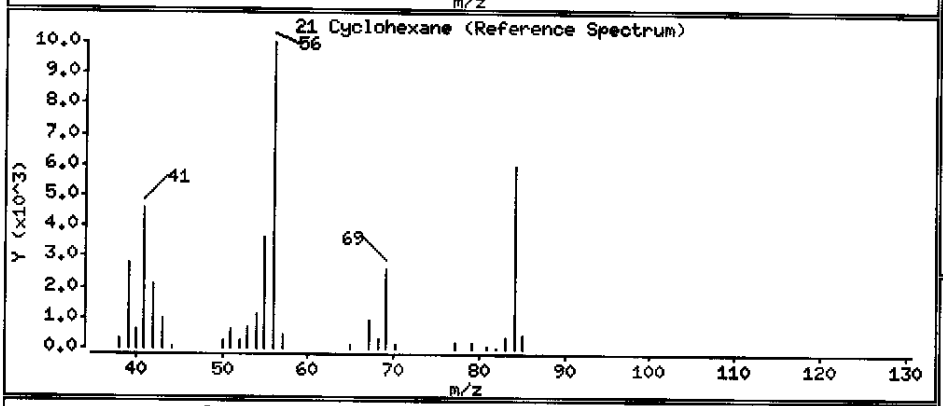
Concentration: 1 ug/L

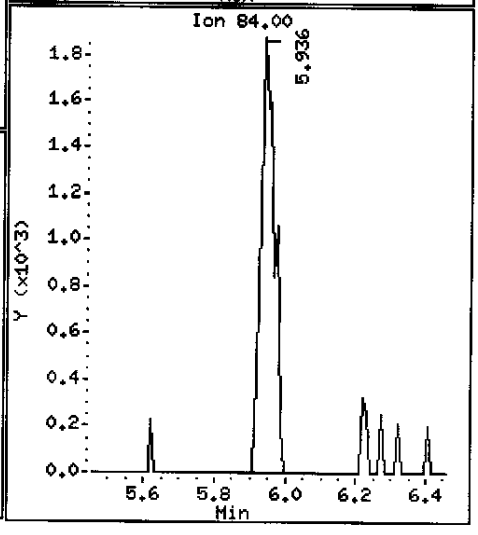


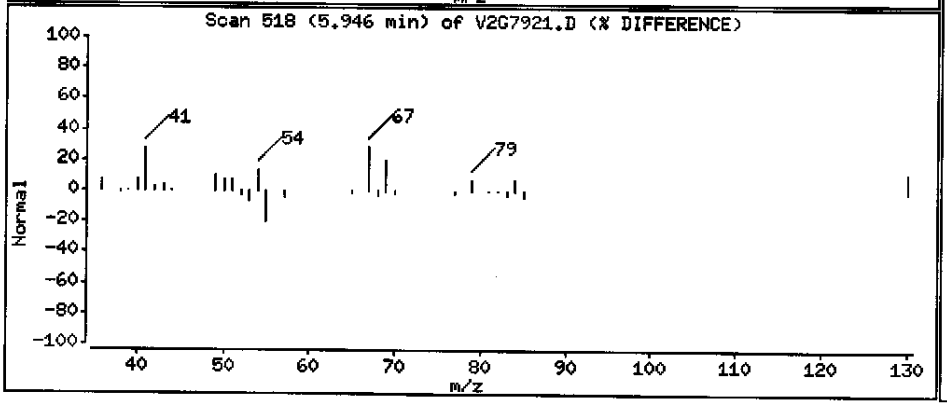












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7921.D

Date : 13-APR-2005 16:20

Client ID: BR547562

Instrument: V2.i

Sample Info: ,D0410-03A,,17654

Purge Volume: 5.0

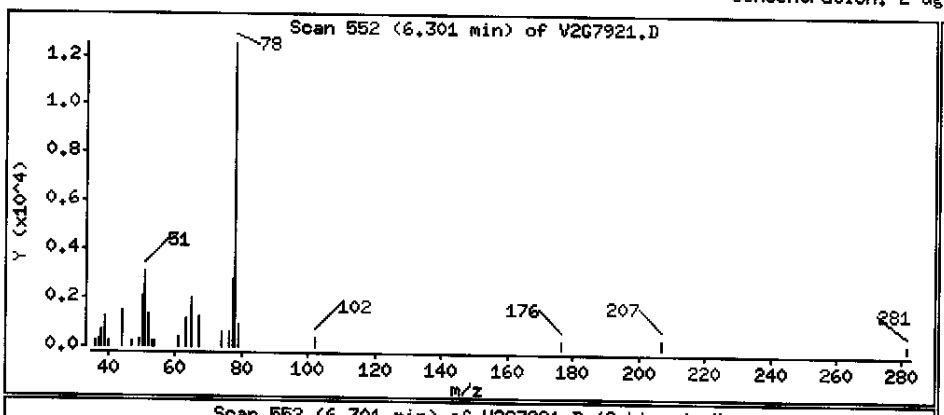
Operator: JC SRC: LIMS

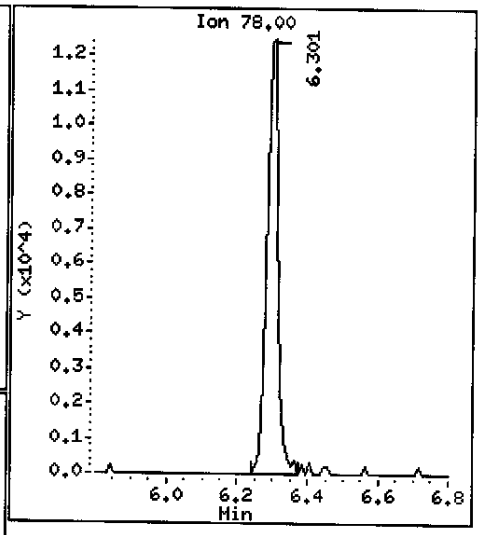
Column phase: DB-624

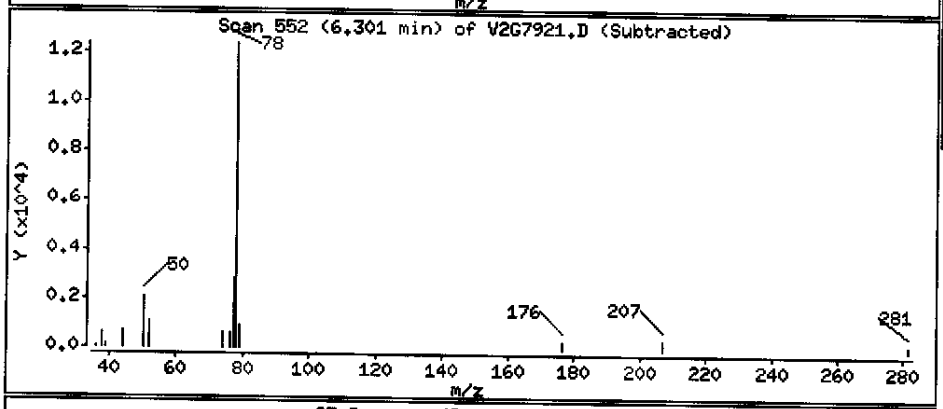
Column diameter: 0.25

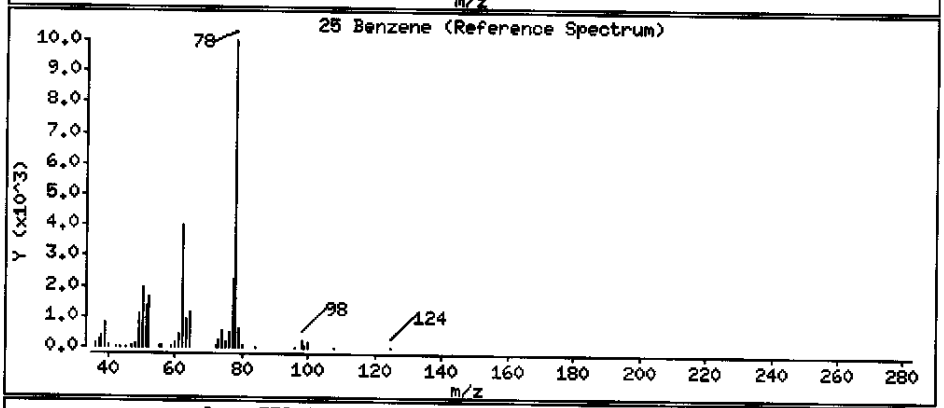
25 Benzene

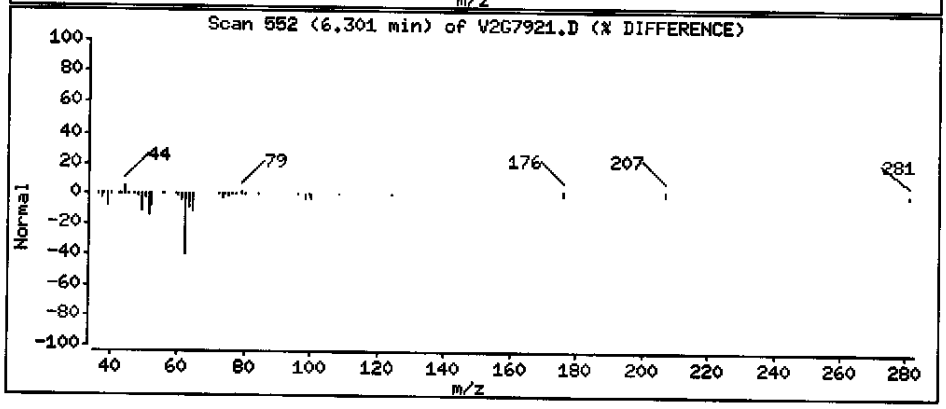
Concentration: 2 ug/L











Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7921.D

Date : 13-APR-2005 16:20

Client ID: BR547562

Instrument: V2.i

Sample Info: ,D0410-03A,,17654

Purge Volume: 5.0

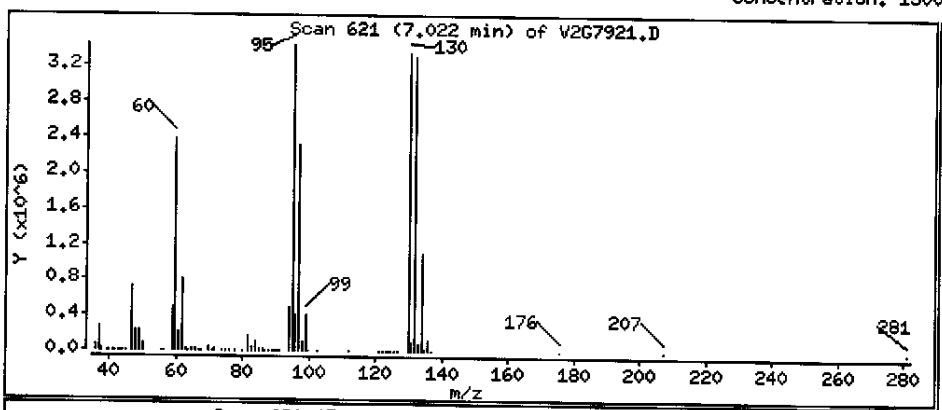
Operator: JC SRC: LIMS

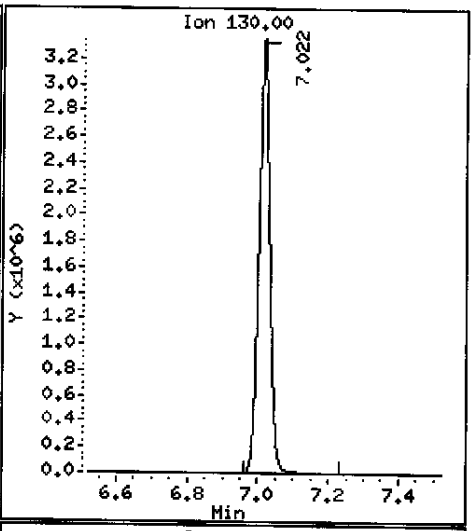
Column phase: DB-624

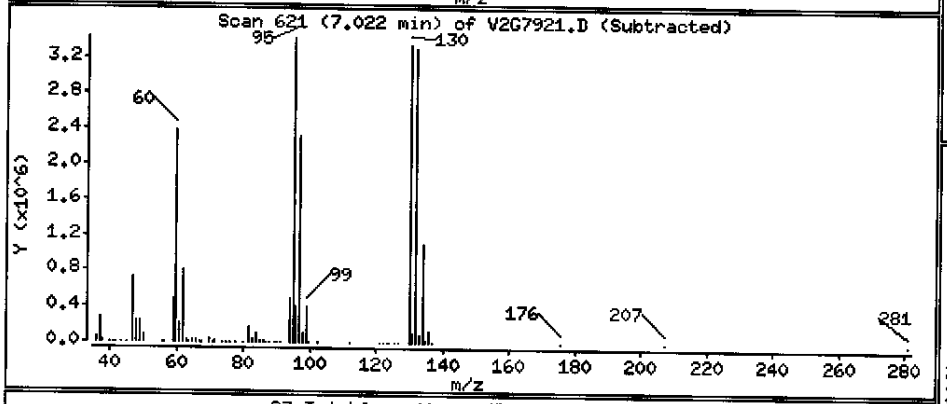
Column diameter: 0.25

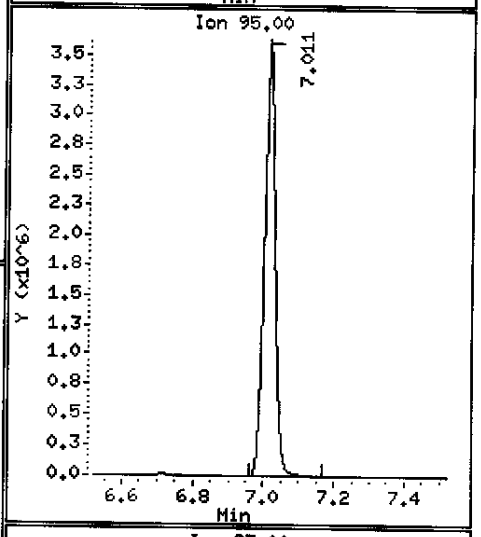
27 Trichloroethene

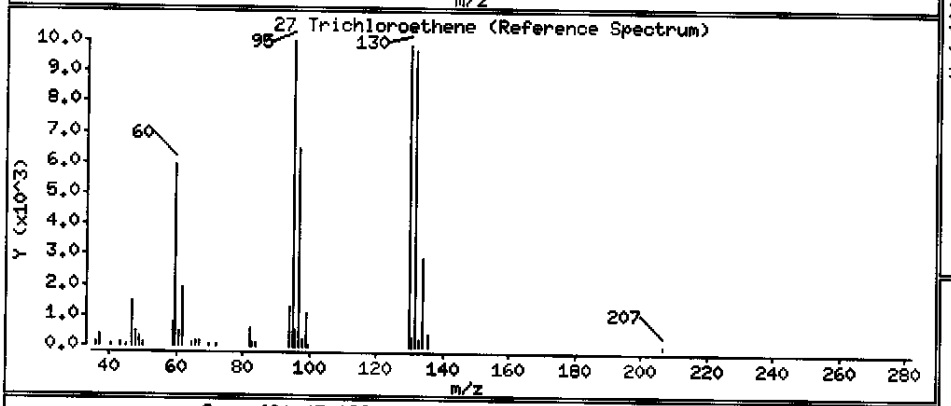
Concentration: 1500 ug/L

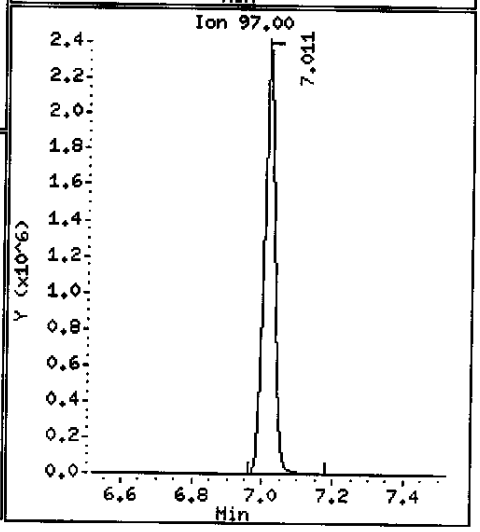


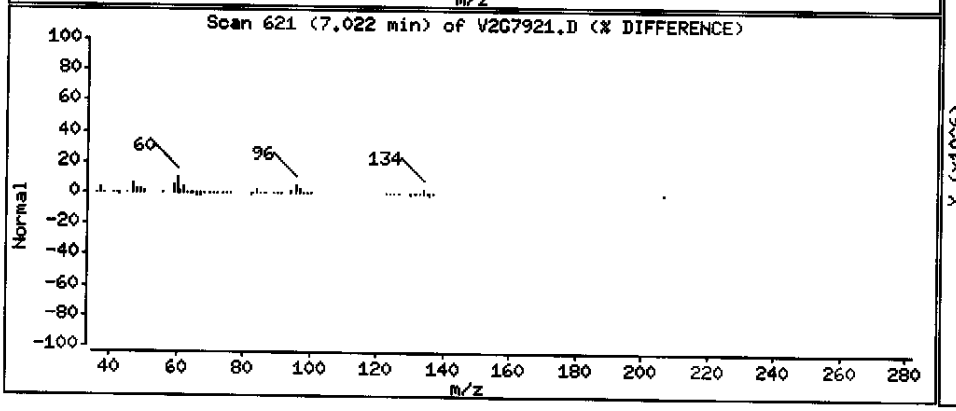












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7921.D

Date : 13-APR-2005 16:20

Client ID: BR547562

Instrument: V2.i

Sample Info: ,D0410-03A,,17654

Purge Volume: 5.0

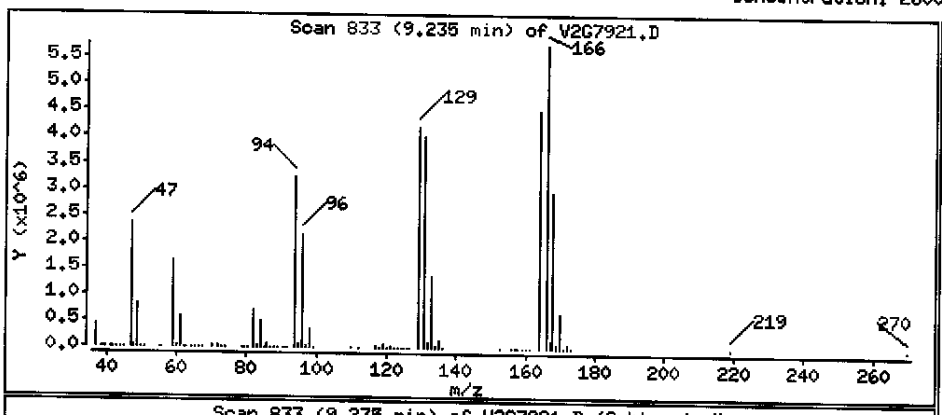
Operator: JC SRC: LIMS

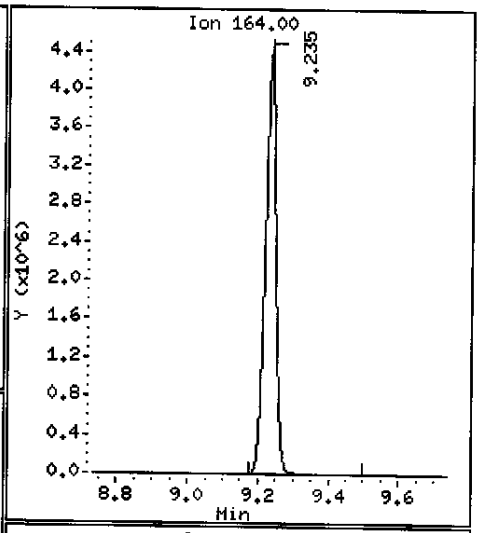
Column phase: DB-624

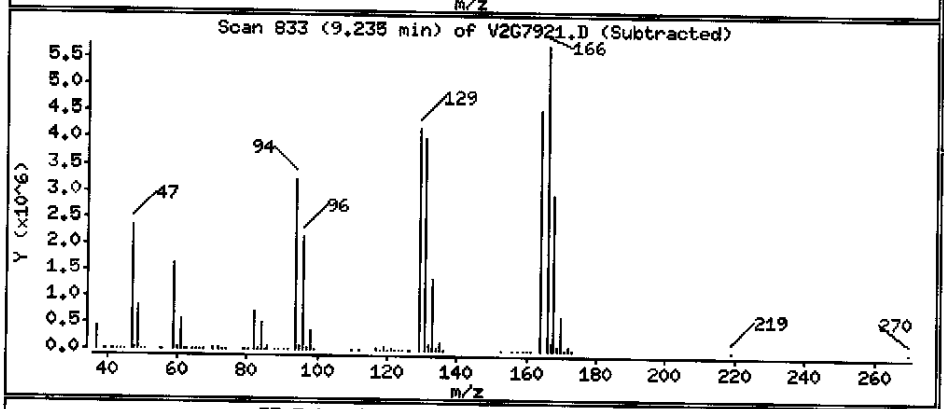
Column diameter: 0.25

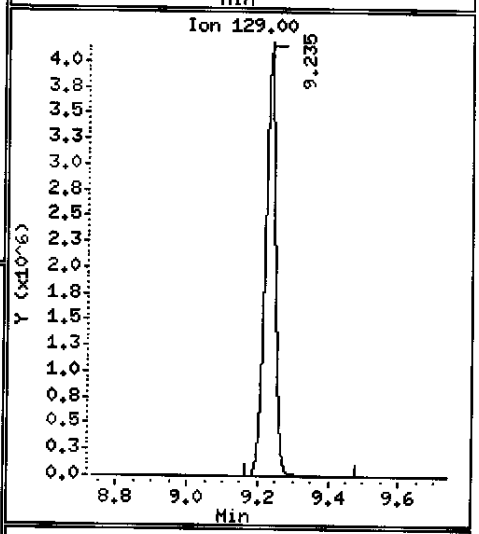
37 Tetrachloroethene

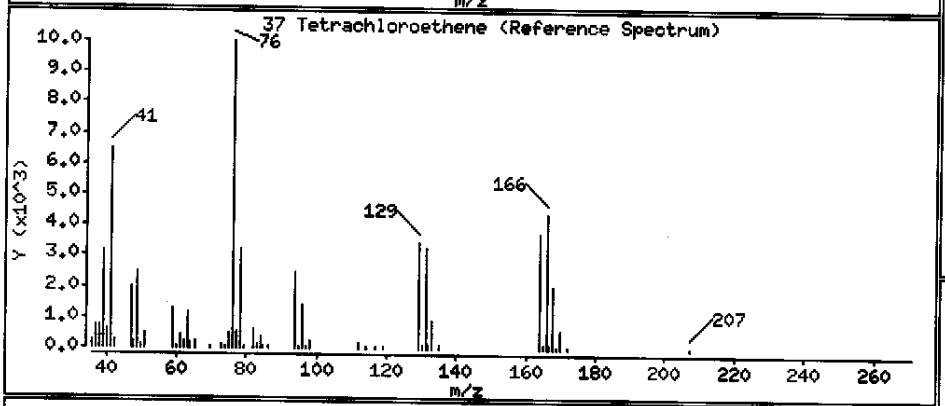
Concentration: 2600 ug/L

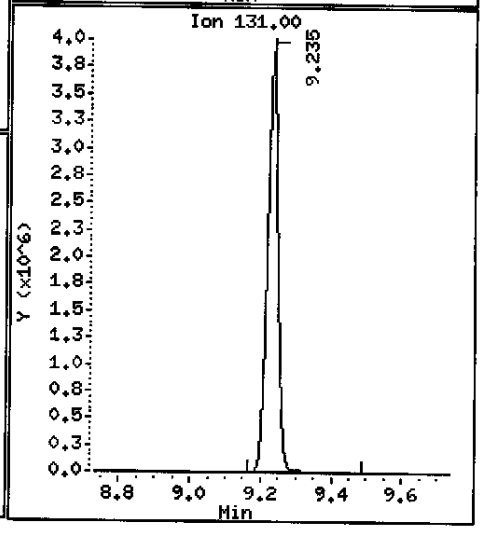


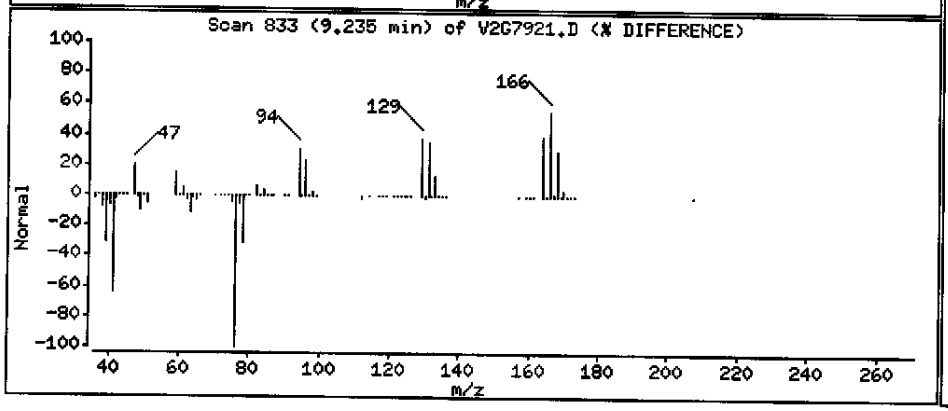












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR547562DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-03ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7928

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl Chloride	140	DJ
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	21	DJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	200	U
67-64-1	Acetone	200	U
75-15-0	Carbon Disulfide	200	U
79-20-9	Methyl Acetate	200	U
75-09-2	Methylene Chloride	200	U
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-Butyl Ether	200	U
75-34-3	1,1-Dichloroethane	200	U
156-59-2	cis-1,2-Dichloroethene	910	D
78-93-3	2-Butanone	200	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon Tetrachloride	200	U
71-43-2	Benzene	200	U
107-06-2	1,2-Dichloroethane	200	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR547562DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-03ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7928

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	1600	D
108-87-2	Methylcyclohexane	200	U
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-Pentanone	200	U
108-88-3	Toluene	200	U
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	2900	D
591-78-6	2-Hexanone	200	U
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	200	U
100-41-4	Ethylbenzene	200	U
1330-20-7	Xylene (Total)	200	U
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
98-82-8	Isopropylbenzene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
96-12-8	1,2-Dibromo-3-chloropropane	200	U
120-82-1	1,2,4-Trichlorobenzene	200	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BR547562DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-03ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7928

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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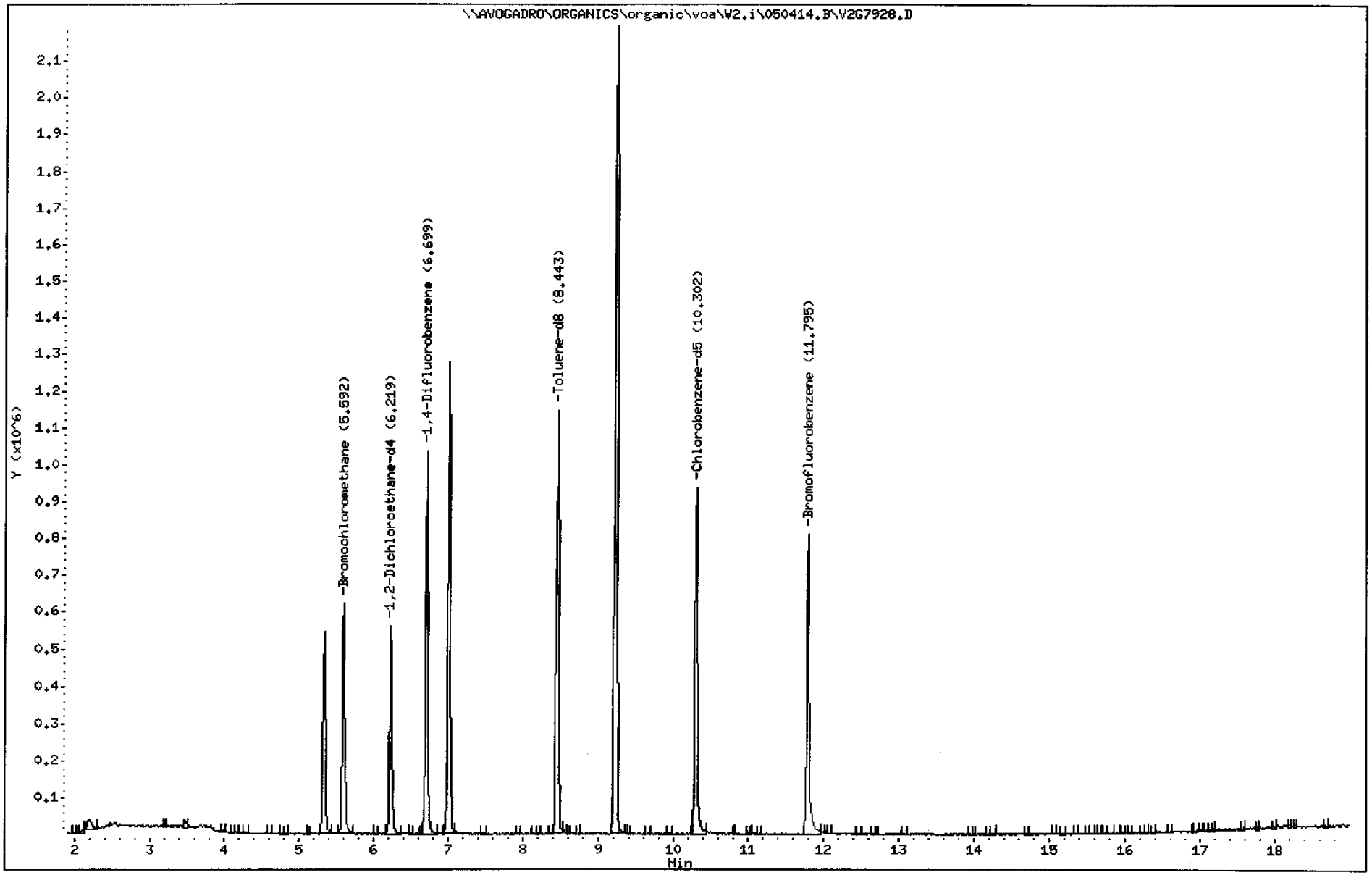
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7928.D
Date : 14-APR-2005 15:31
Client ID: BR547562DL
Instrument: V2.i
Sample Info: ,D0410-03ADL,,17666,20
Purge Volume: 5.0
Operator: JC SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



6800

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7928.D
Report Date: 03-May-2005 12:04

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7928.D
Lab Smp Id: D0410-03ADL Client Smp ID: BR547562DL
Inj Date : 14-APR-2005 15:31
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-03ADL,,17666,20
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D ✓
Als bottle: 8
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	20.000 ✓	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	3 Vinyl Chloride	62	2.188	2.210	(0.391)	52828	7.17766	140(a)
	7 1,1-Dichloroethene	96	3.473	3.504	(0.621)	6841	1.07069	21(a)
	17 cis-1,2-Dichloroethene	96	5.331	5.342	(0.953)	270324	45.7249	910
*	18 Bromochloromethane	128	5.593	5.593	(1.000)	200532	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.219	6.230	(1.112)	549173	53.7397	54
*	26 1,4-Difluorobenzene	114	6.699	6.710	(1.000)	879699	50.0000	
	27 Trichloroethene	130	7.002	7.013	(1.045)	457484	82.2085	1600
$	33 Toluene-d8	98	8.454	8.454	(0.821)	899398	51.8959	52
	37 Tetrachloroethene	164	9.216	9.226	(0.895)	610892	145.844	2900
*	42 Chlorobenzene-d5	117	10.302	10.312	(1.000)	666054	50.0000	
$	50 Bromofluorobenzene	95	11.795	11.795	(1.145)	361556	48.7452	49

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SB 5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7928.D
Report Date: 03-May-2005 12:04

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7928.D
Lab Smp Id: D0410-03ADL Client Smp ID: BR547562DL
Inj Date : 14-APR-2005 15:31
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-03ADL,,17666,20
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D
Als bottle: 8
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7928.D

Date : 14-APR-2005 15:31

Client ID: BR547562DL

Instrument: V2.i

Sample Info: ,D0410-03ADL,,17666,20

Purge Volume: 5.0

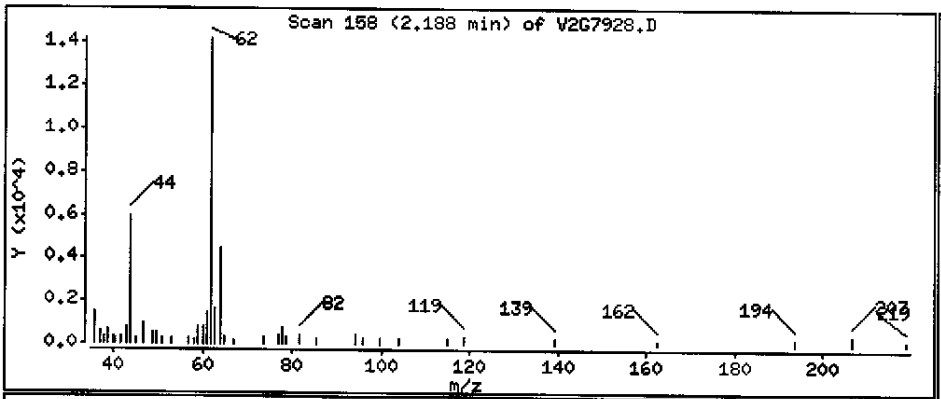
Operator: JC SRC: LIMS

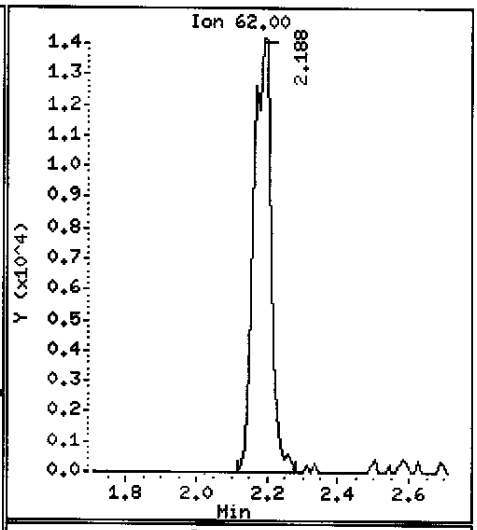
Column phase: DB-624

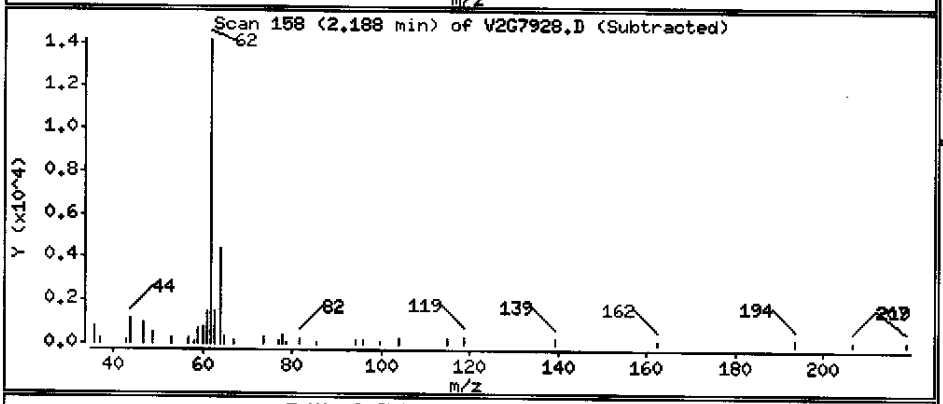
Column diameter: 0.25

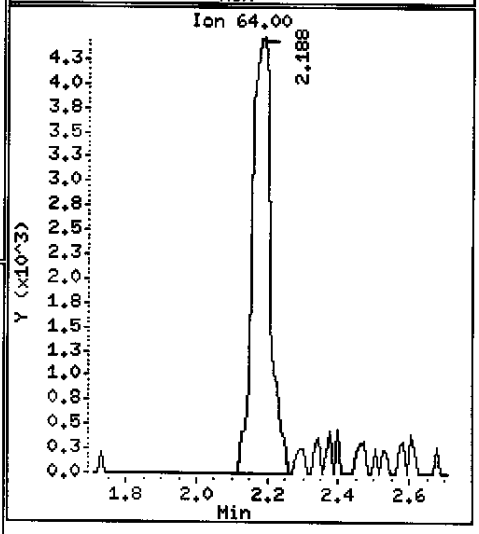
3 Vinyl Chloride

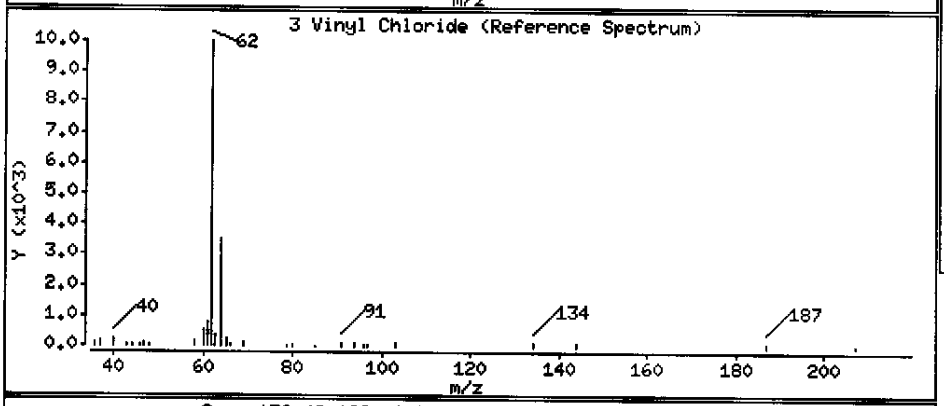
Concentration: 140 ug/L

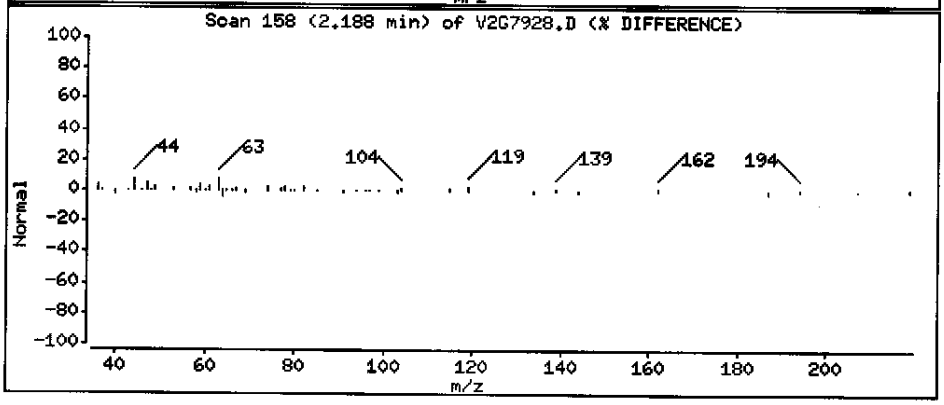












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7928.D

Date : 14-APR-2005 15:31

Client ID: BR547562DL

Instrument: V2.i

Sample Info: ,D0410-03ADL,,17666,20

Purge Volume: 5.0

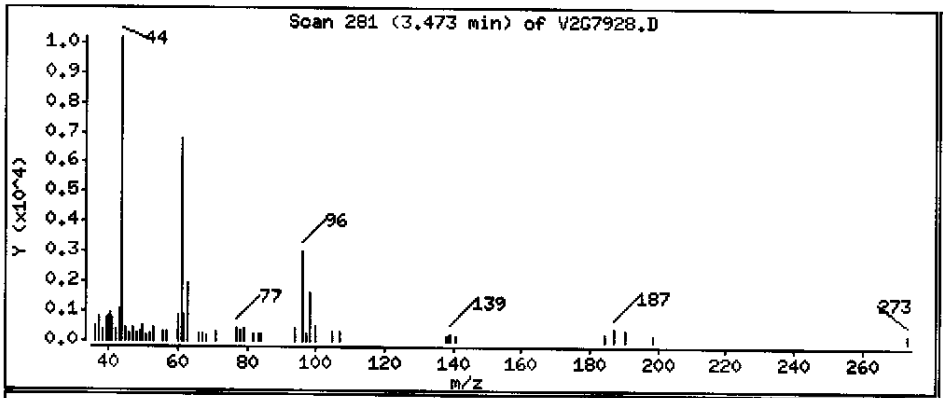
Operator: JC SRC: LIMS

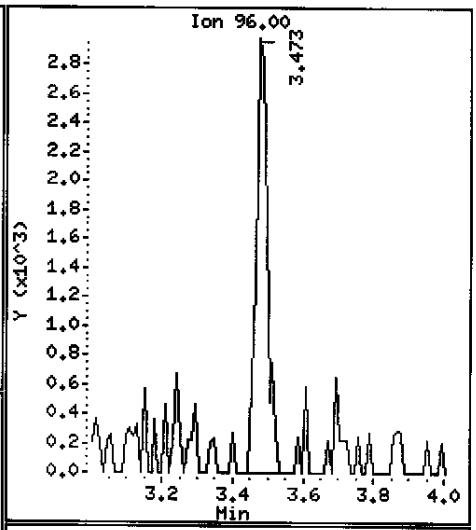
Column phase: DB-624

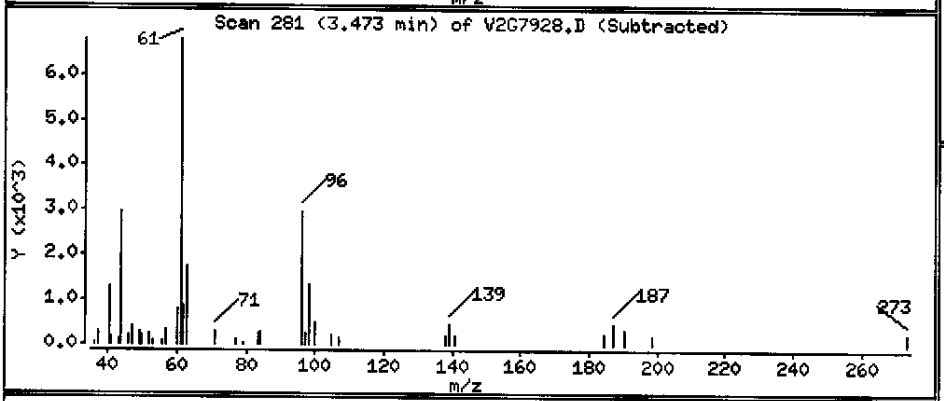
Column diameter: 0.25

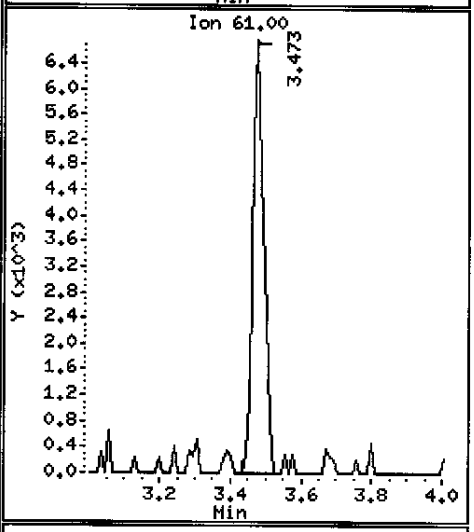
7 1,1-Dichloroethene

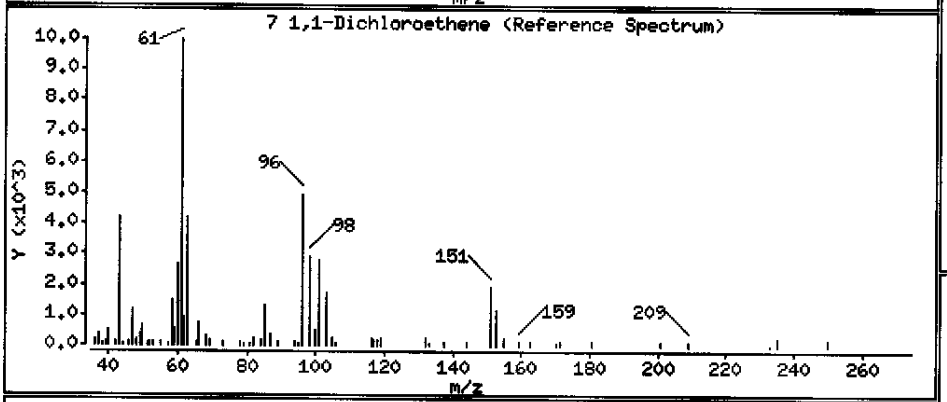
Concentration: 21 ug/L

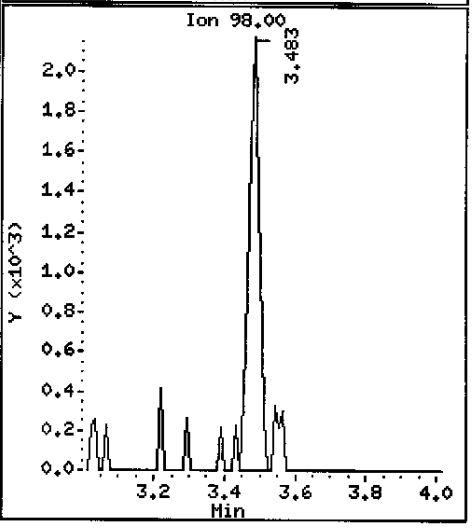


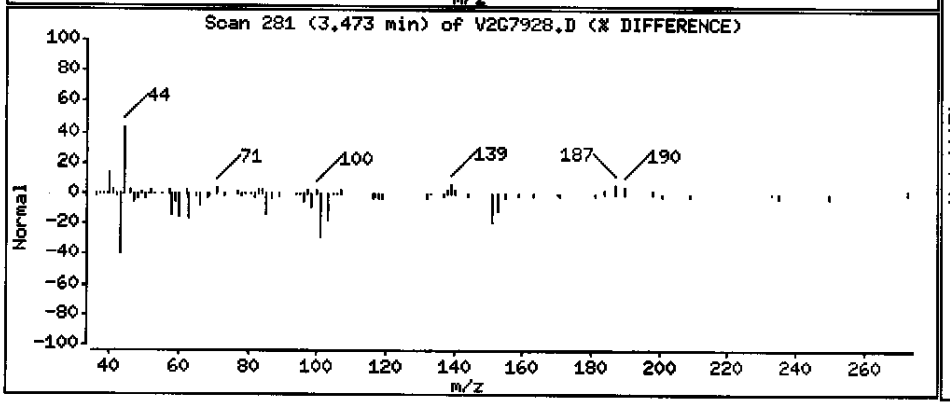












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7928.D

Date : 14-APR-2005 15:31

Client ID: BR547562DL

Instrument: V2.i

Sample Info: ,D0410-03ADL,,17666,20

Purge Volume: 5.0

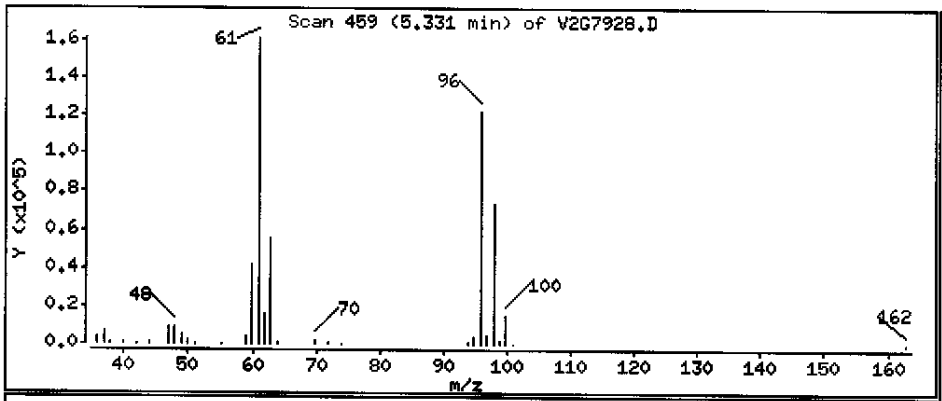
Operator: JC SRC: LIMS

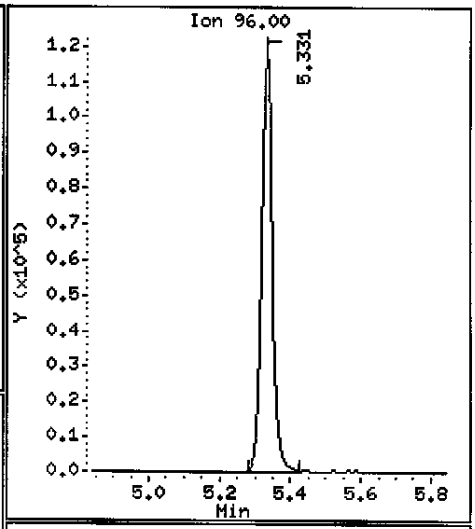
Column phase: DB-624

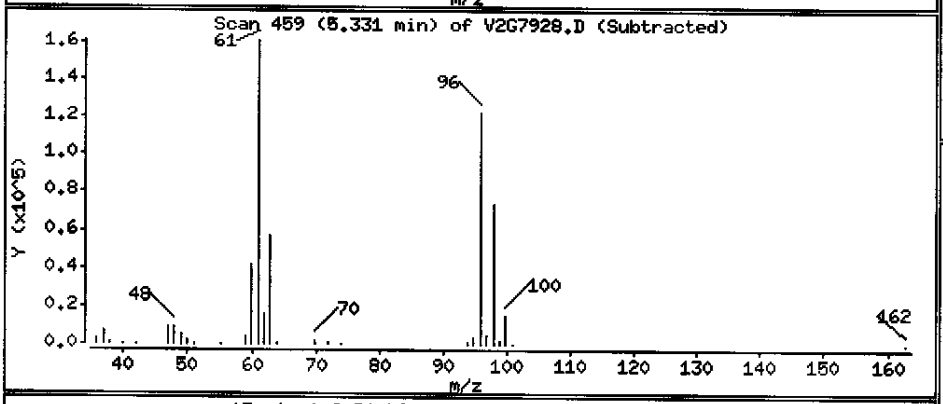
Column diameter: 0.25

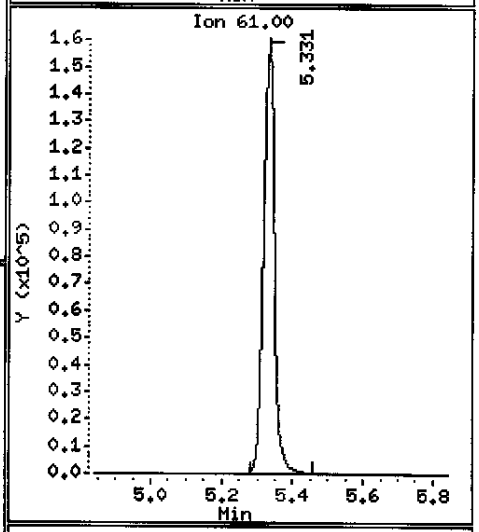
17 cis-1,2-Dichloroethene

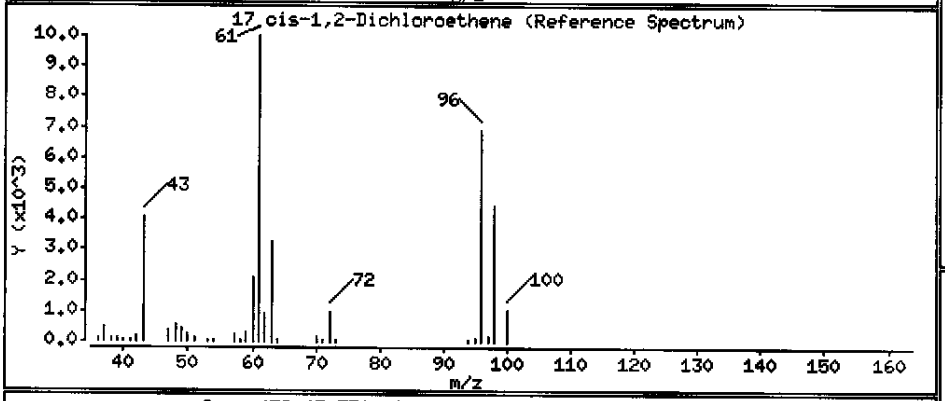
Concentration: 910 ug/L

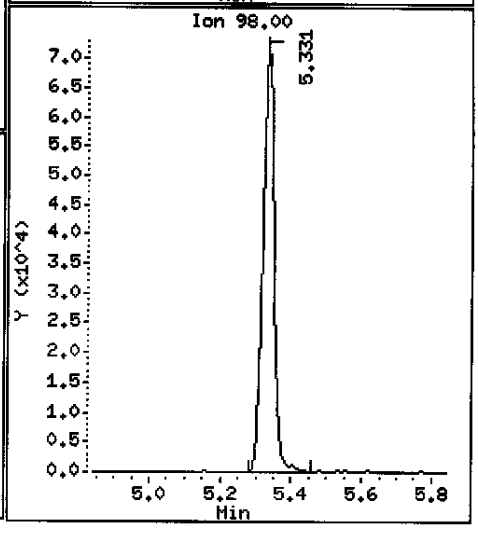


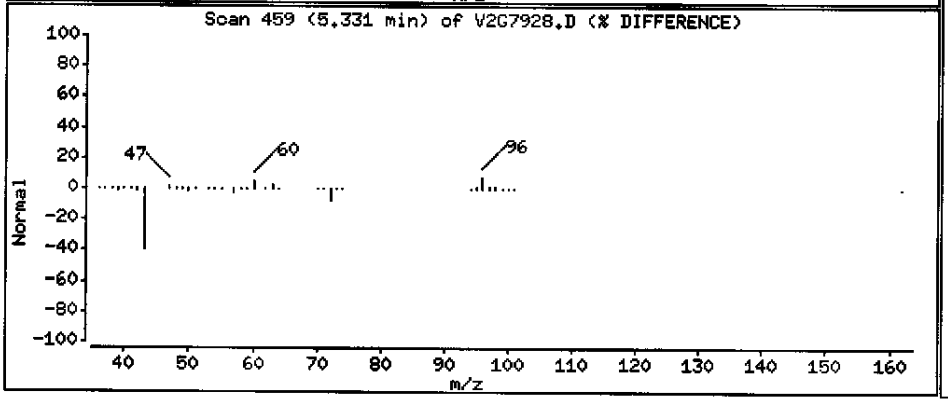












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7928.D

Date : 14-APR-2005 15:31

Client ID: BR547562DL

Instrument: V2.i

Sample Info: ,D0410-03ADL,,17666,20

Purge Volume: 5.0

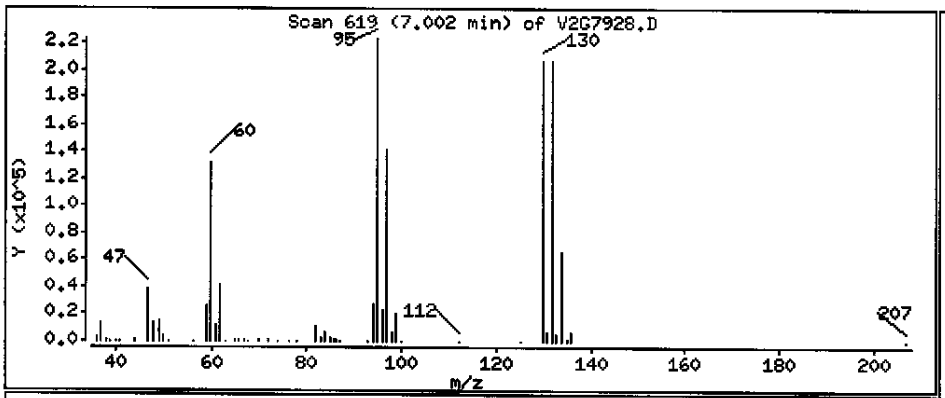
Operator: JC SRC: LIMS

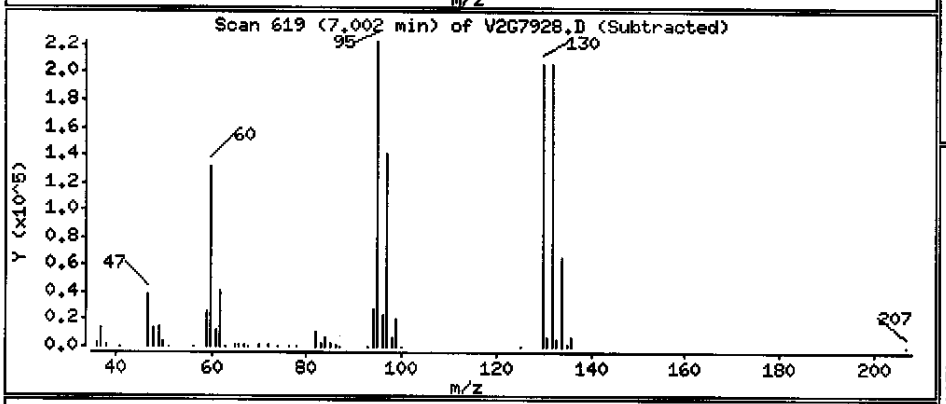
Column phase: DB-624

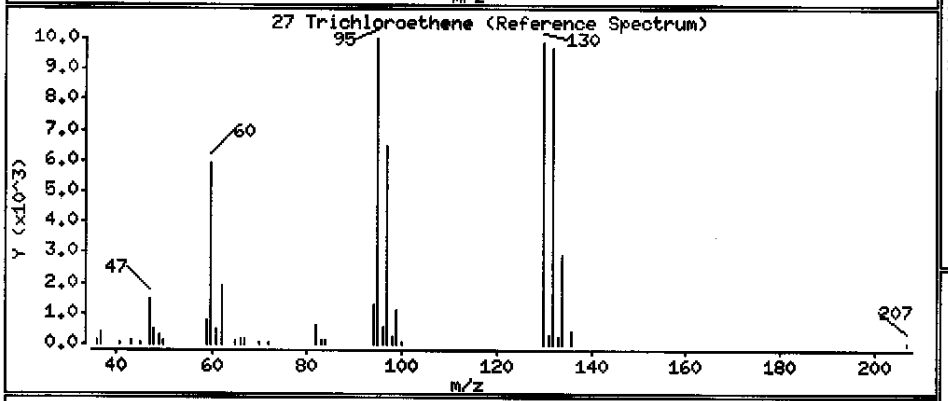
Column diameter: 0.25

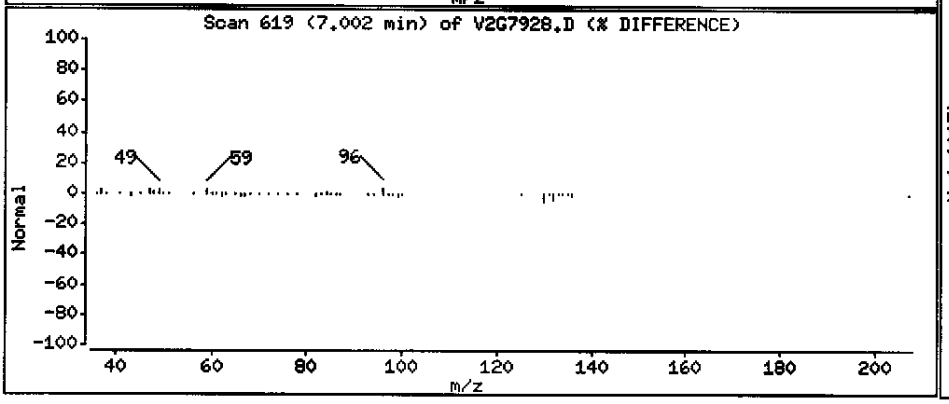
27 Trichloroethene

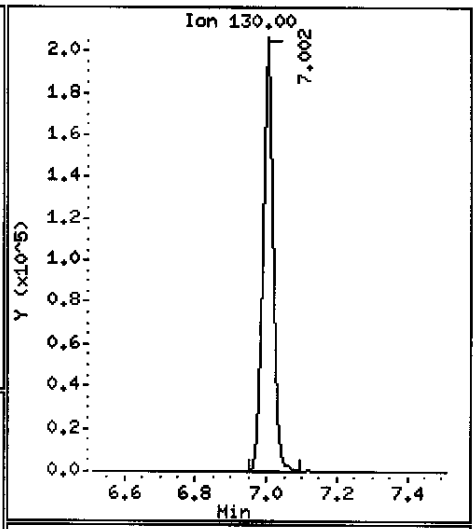
Concentration: 1600 ug/L

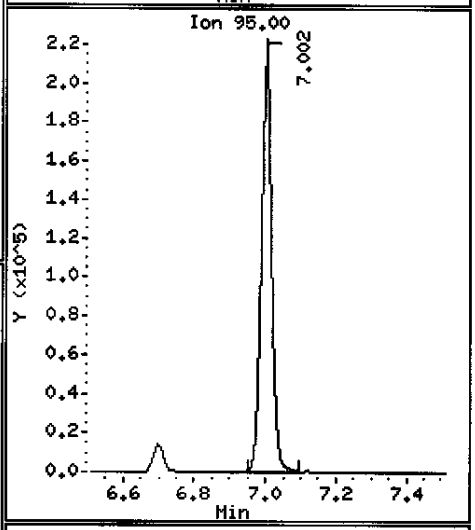


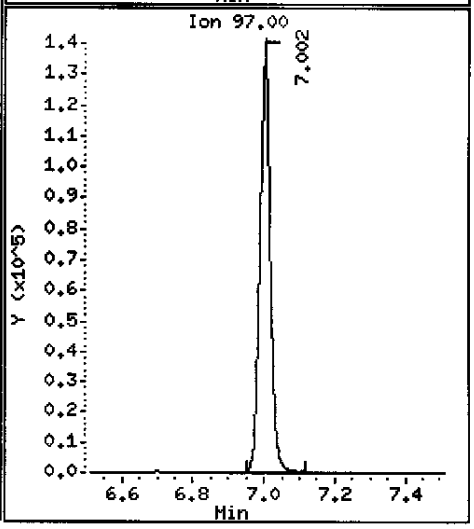












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7928.D

Date : 14-APR-2005 15:31

Client ID: BR547562DL

Instrument: V2.i

Sample Info: ,D0410-03ADL,,17666,20

Purge Volume: 5.0

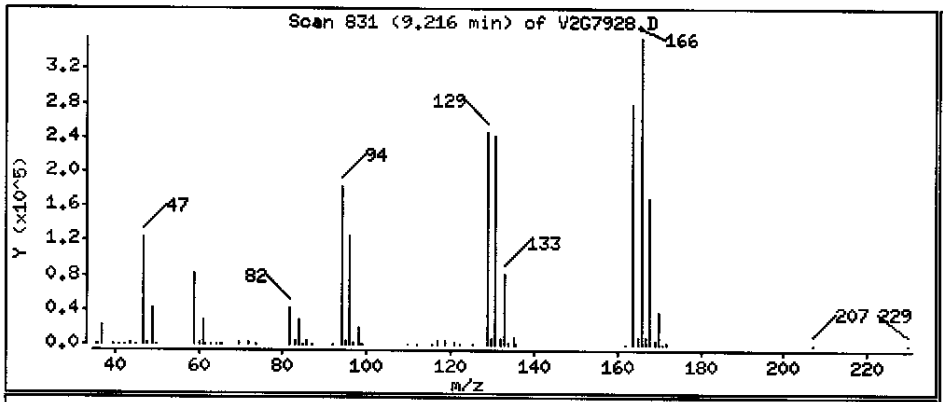
Operator: JC SRC: LIMS

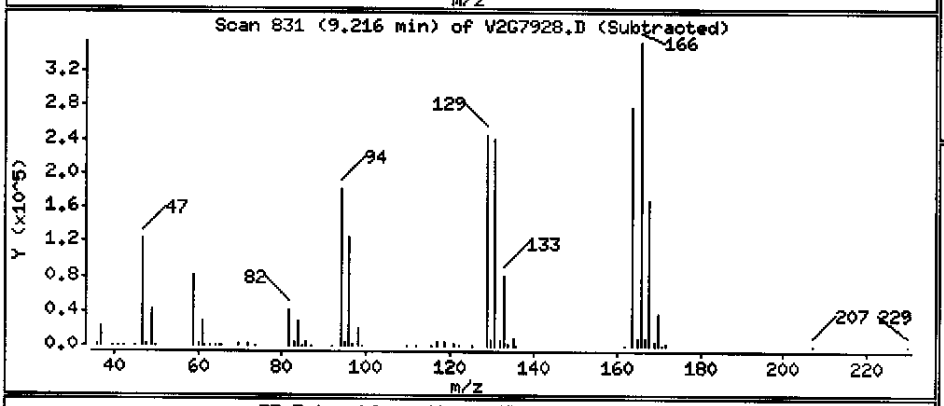
Column phase: DB-624

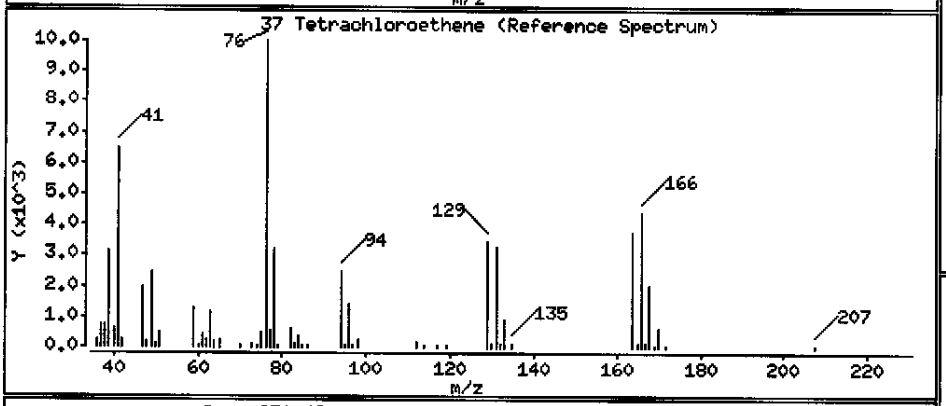
Column diameter: 0.25

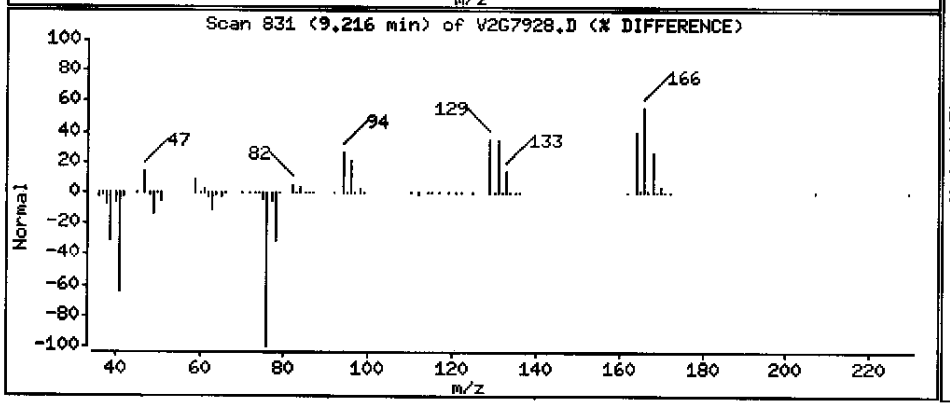
37 Tetrachloroethene

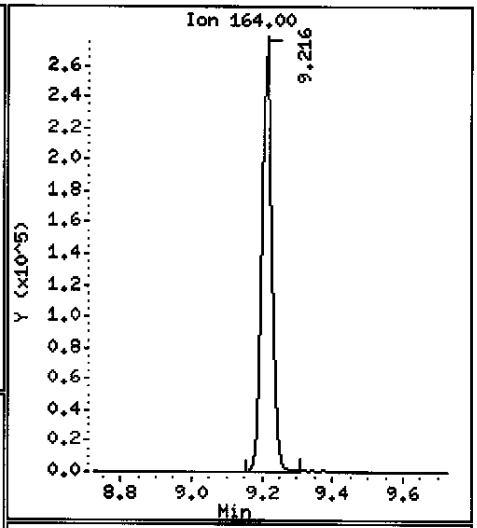
Concentration: 2900 ug/L

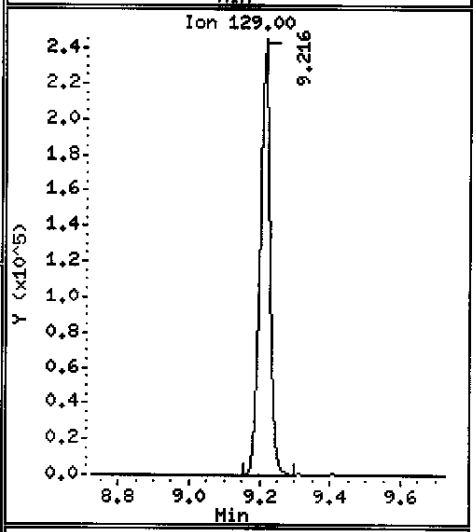


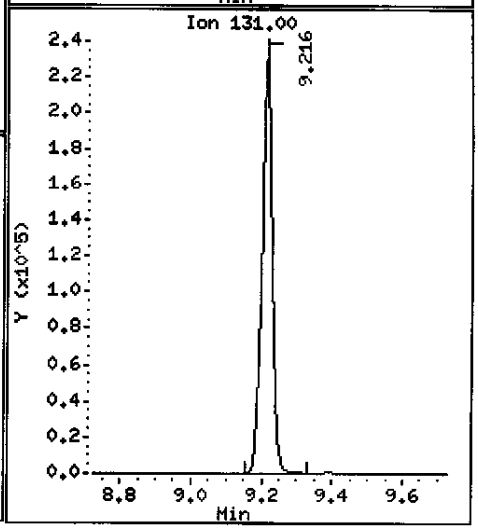












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR677692

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7922

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	21	
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	2	J
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	3	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	4	J
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	380	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	2	J
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR677692

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7922

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	210	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	270	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BR677692

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7922

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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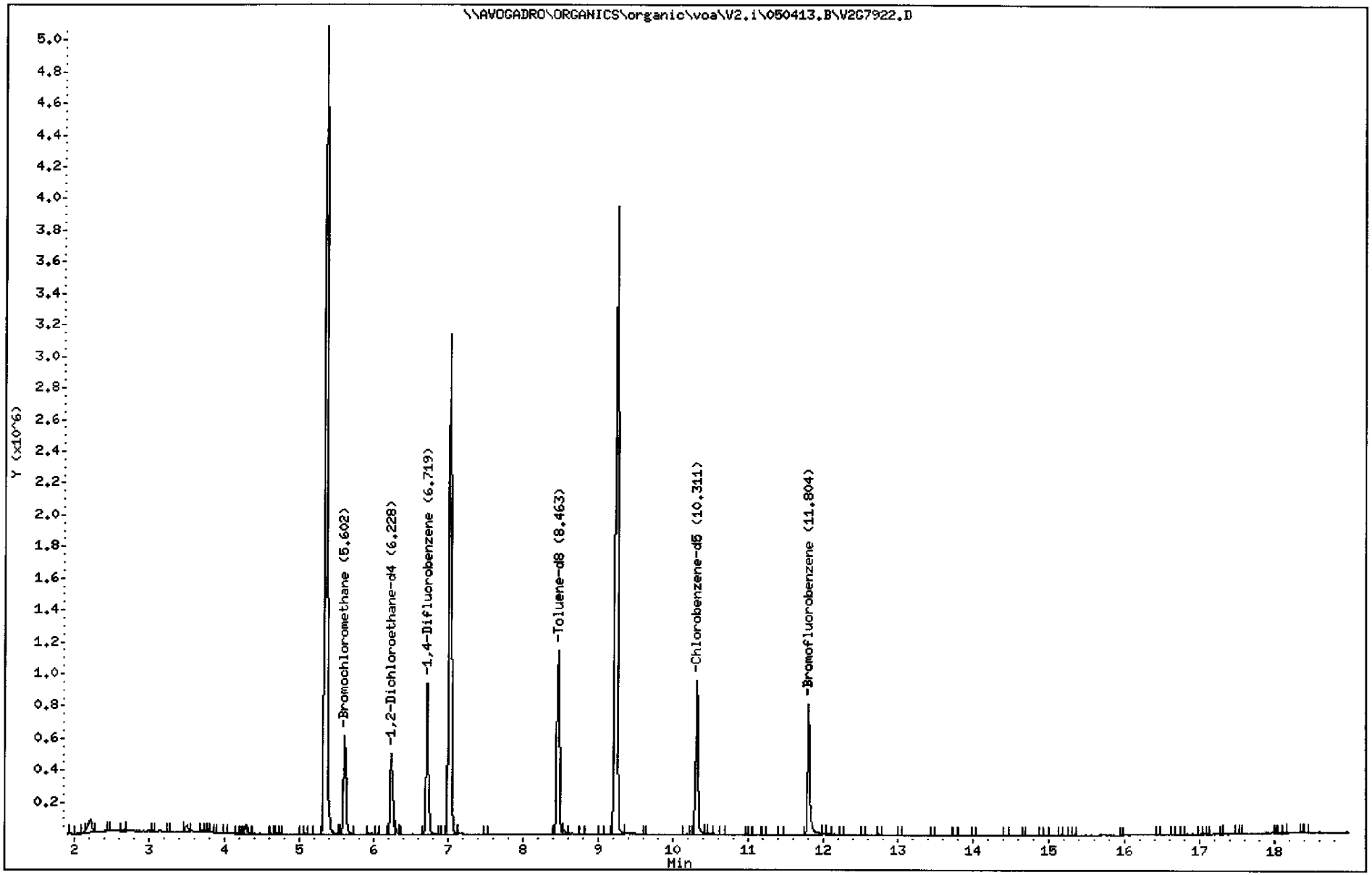
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7922.D
Date : 13-APR-2005 16:45
Client ID: BR677692
Instrument: V2.i
Sample Info: ,D0410-04A,,17654
Purge Volume: 5.0
Operator: JC SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



0100

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7922.D
Report Date: 03-May-2005 11:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7922.D
Lab Smp Id: D0410-04A Client Smp ID: BR677692
Inj Date : 13-APR-2005 16:45
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-04A,,17654
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D ✓
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	3 Vinyl Chloride	62	2.208	2.219	(0.394)	148074	20.7120	21
	5 Chloroethane	64	2.647	2.657	(0.472)	9409	2.30683	2(a)
	7 1,1-Dichloroethene	96	3.482	3.514	(0.622)	16450	2.55797	3(a)
	13 trans-1,2-Dichloroethene	96	4.276	4.286	(0.763)	25650	3.67430	4(a)
	17 cis-1,2-Dichloroethene	96	5.341	5.351	(0.953)	2417455	378.195	380(A)
*	18 Bromochloromethane	128	5.602	5.602	(1.000)	201666	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.228	6.239	(1.112)	526012	48.1429	48
	25 Benzene	78	6.291	6.301	(0.936)	27886	1.55266	2(a)
*	26 1,4-Difluorobenzene	114	6.719	6.719	(1.000)	855337	50.0000	
	27 Trichloroethene	130	7.011	7.022	(1.044)	1161361	210.770	210(A)
$	33 Toluene-d8	98	8.463	8.463	(0.821)	869615	48.2795	48
	37 Tetrachloroethene	164	9.225	9.236	(0.895)	1101189	266.009	270(A)
*	42 Chlorobenzene-d5	117	10.311	10.322	(1.000)	649035	50.0000	
$	50 Bromofluorobenzene	95	11.804	11.804	(1.145)	342561	47.3897	47

SB 5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7922.D
Report Date: 03-May-2005 11:48

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7922.D
Report Date: 03-May-2005 11:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7922.D
Lab Smp Id: D0410-04A Client Smp ID: BR677692
Inj Date : 13-APR-2005 16:45
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-04A,,17654
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7922.D

Date : 13-APR-2005 16:45

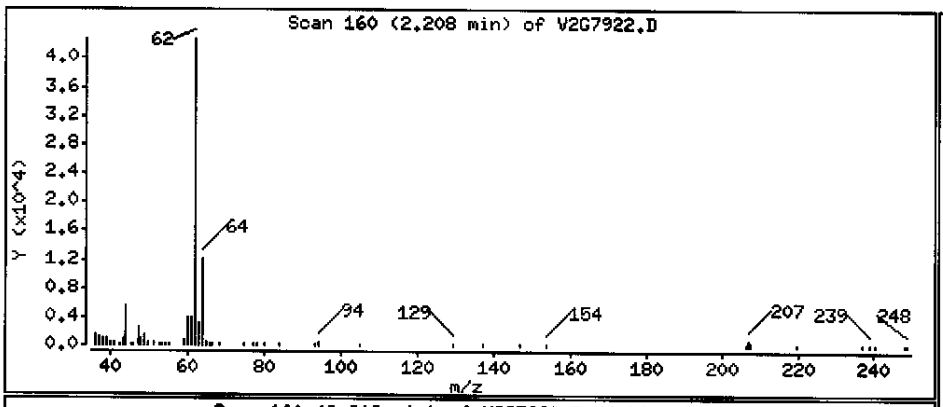
Client ID: BR677692 Instrument: V2.i

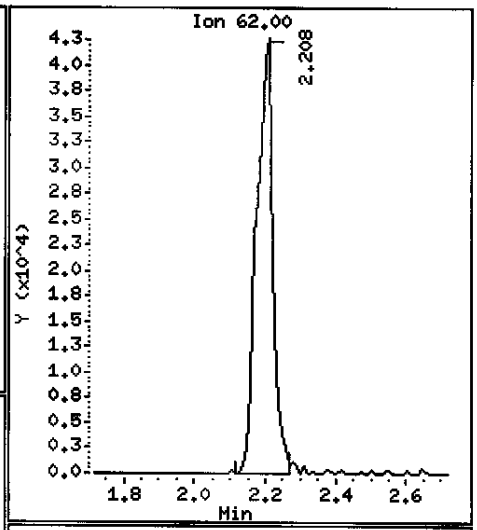
Sample Info: ,D0410-04A,,17654

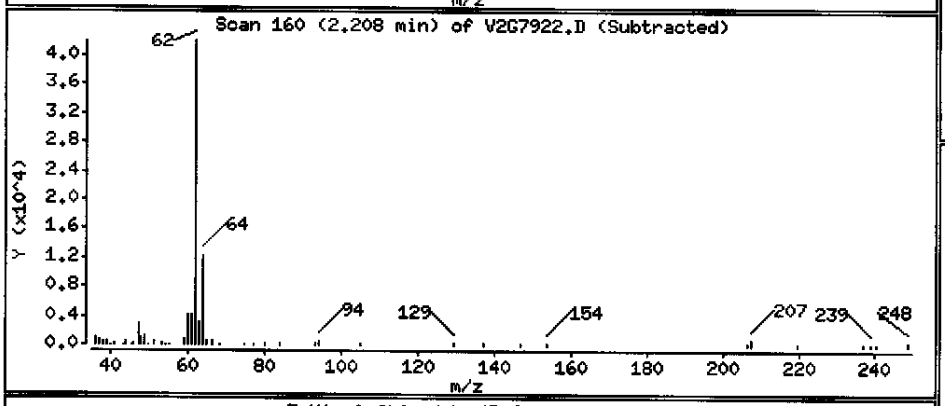
Purge Volume: 5.0 Operator: JC SRC: LIMS

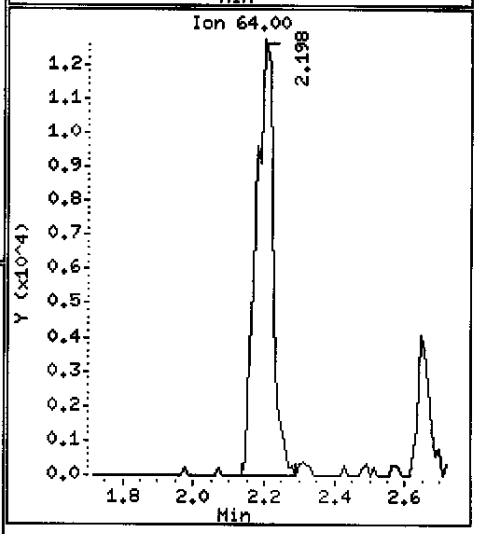
Column phase: DB-624 Column diameter: 0.25

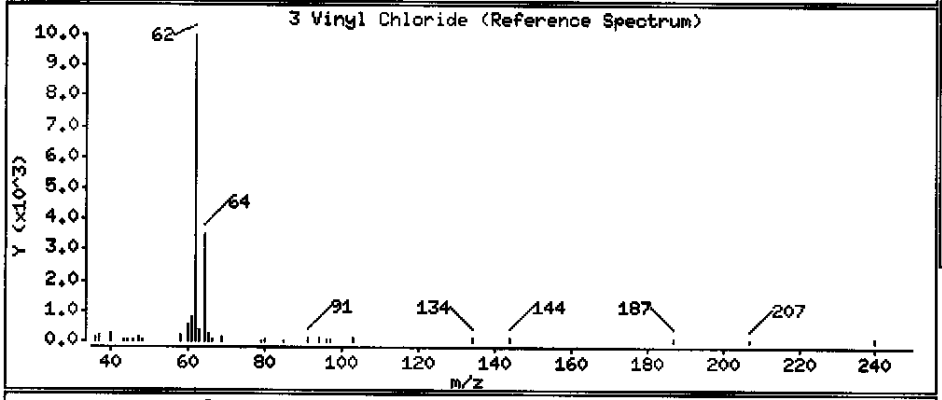
3 Vinyl Chloride Concentration: 21 ug/L

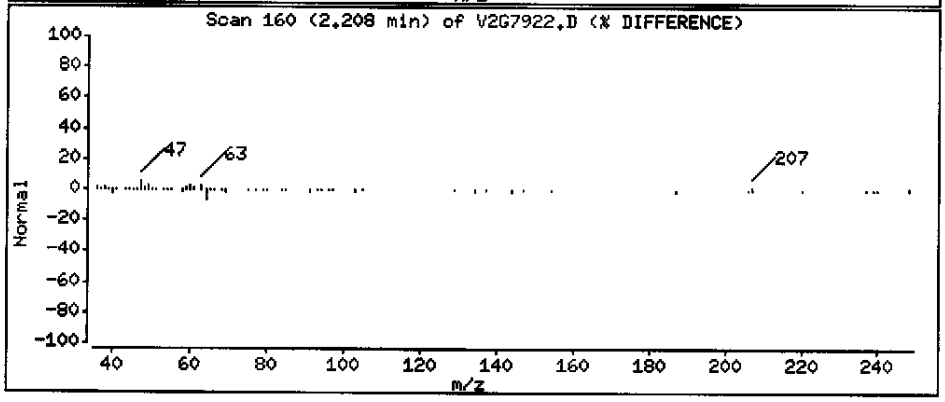












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7922.D

Date : 13-APR-2005 16:45

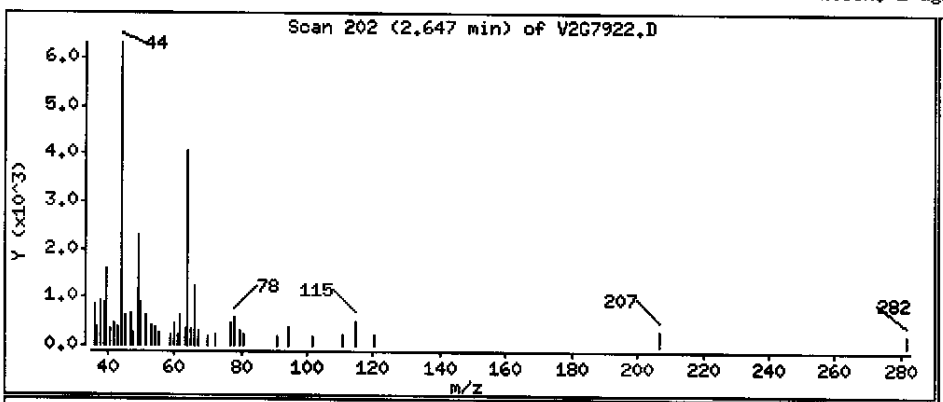
Client ID: BR677692 Instrument: V2.i

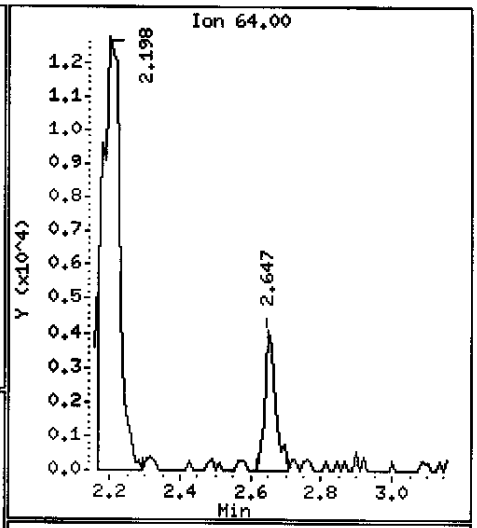
Sample Info: ,D0410-04A,,17654

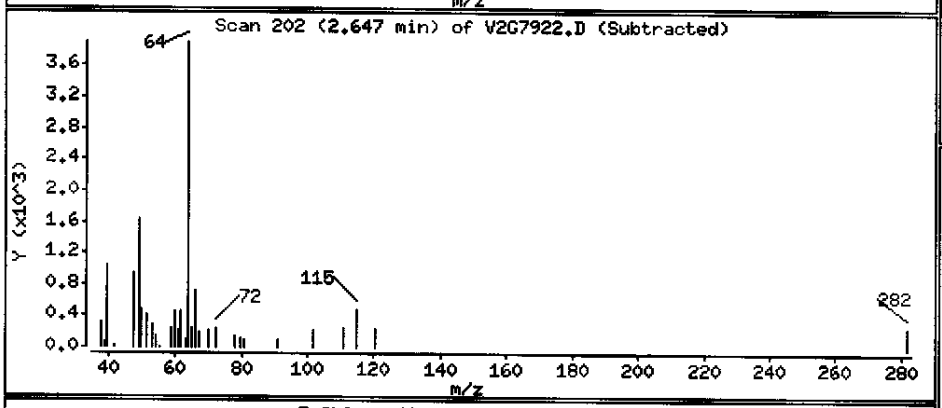
Purge Volume: 5.0 Operator: JC SRC: LIMS

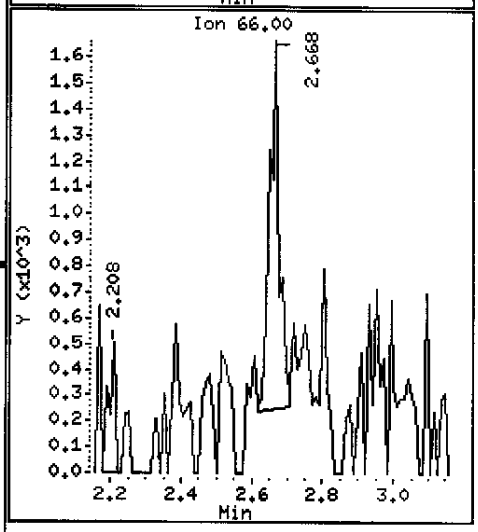
Column phase: DB-624 Column diameter: 0.25

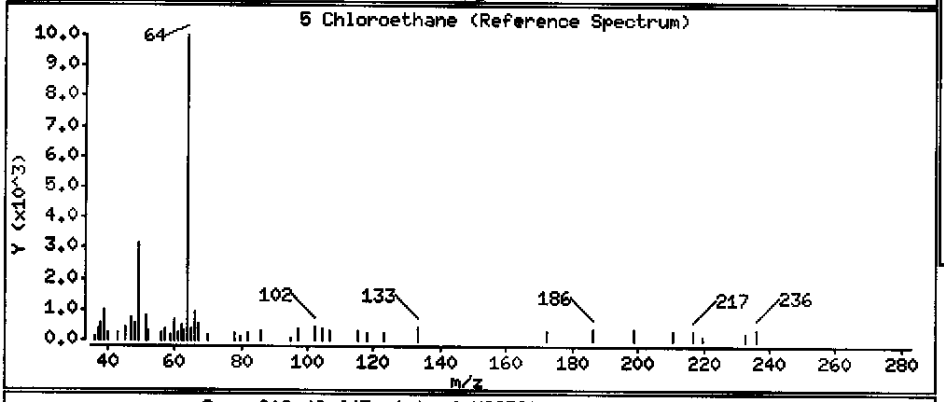
5 Chloroethane Concentration: 2 ug/L

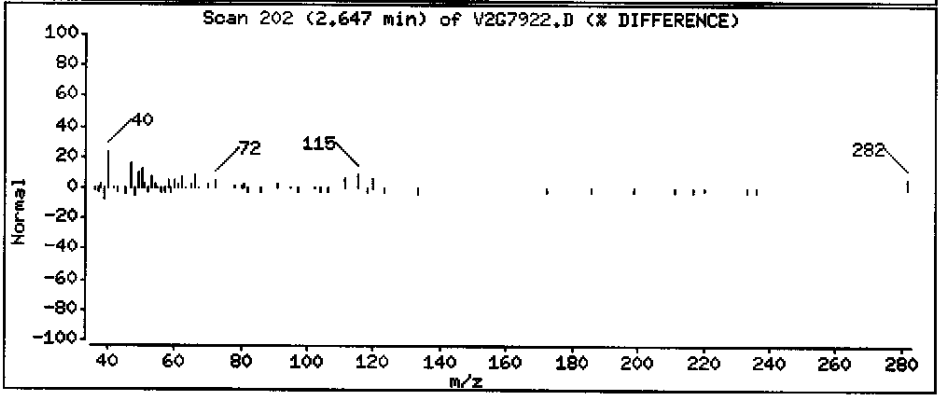












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7922.D

Date : 13-APR-2005 16:45

Client ID: BR677692

Instrument: V2.i

Sample Info: ,D0410-04A,,17654

Purge Volume: 5.0

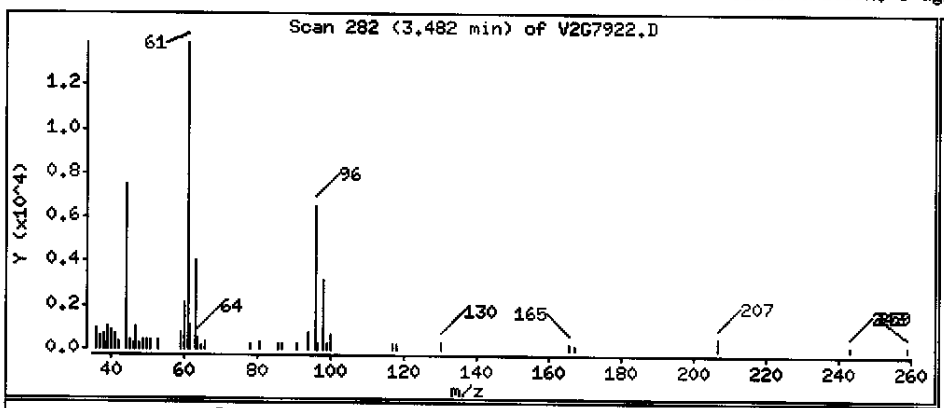
Operator: JC SRC: LIMS

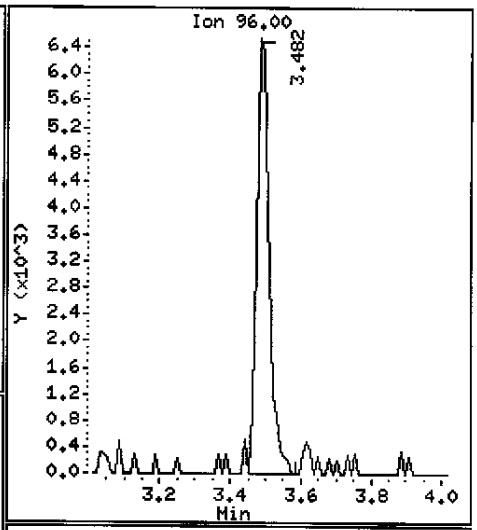
Column phase: DB-624

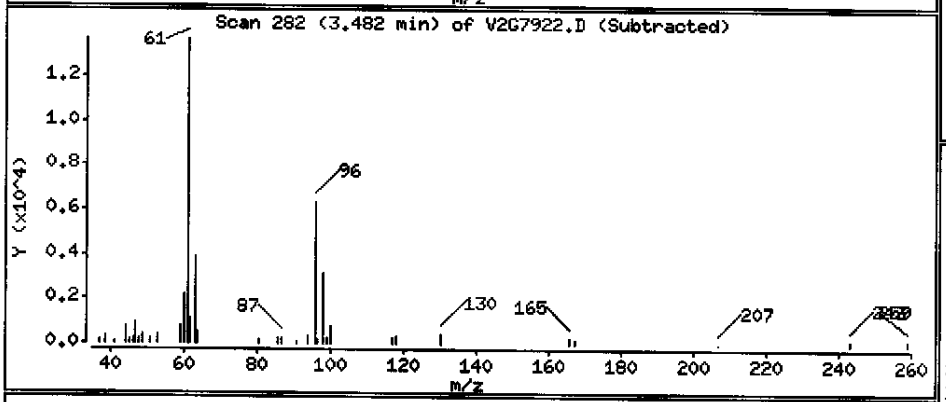
Column diameter: 0.25

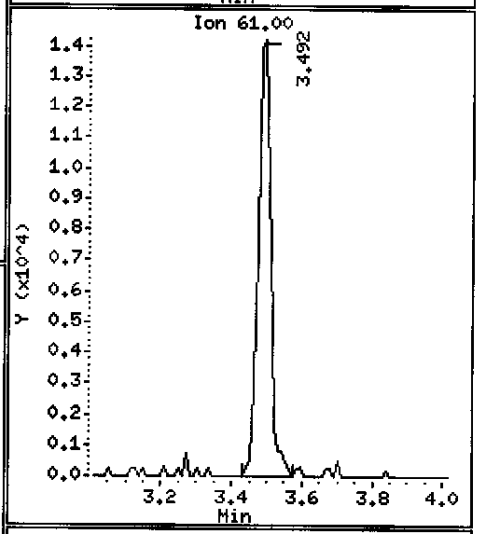
7 1,1-Dichloroethene

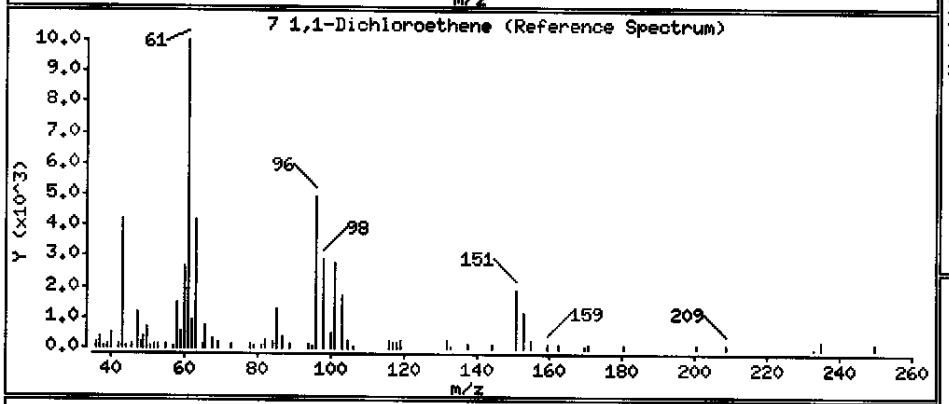
Concentration: 3 ug/L

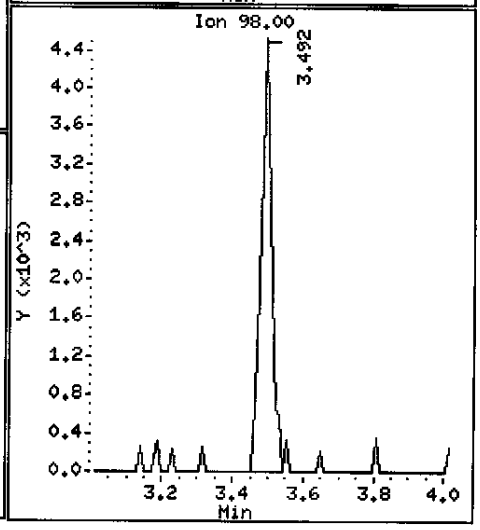


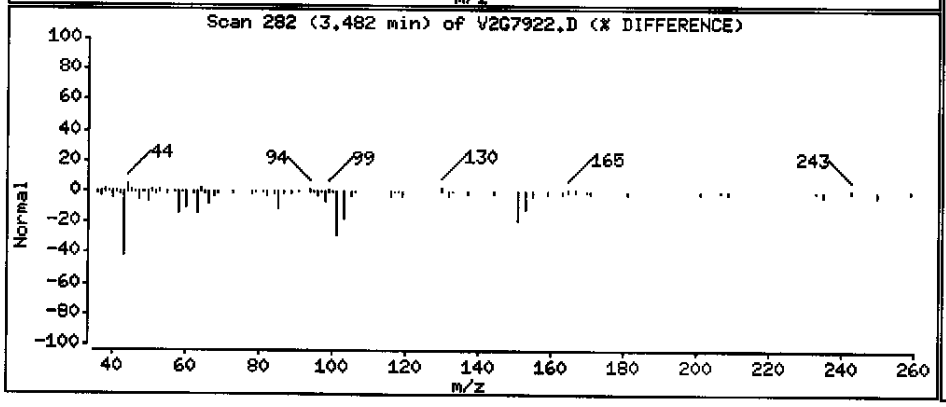












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7922.D

Date : 13-APR-2005 16:45

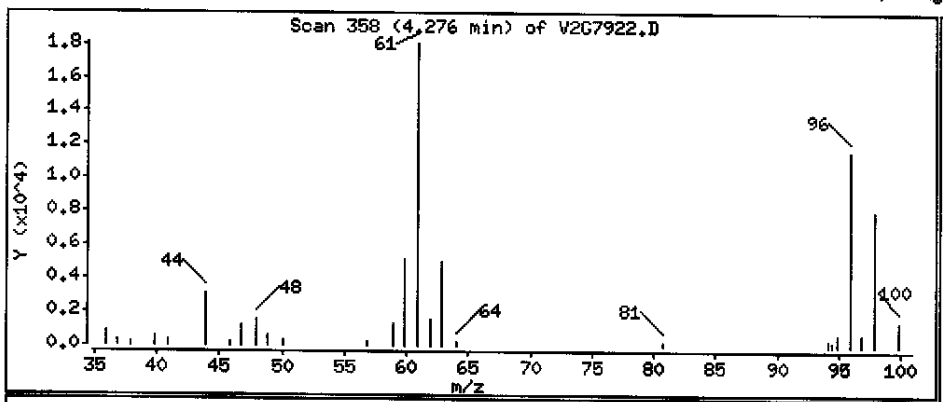
Client ID: BR677692 Instrument: V2.i

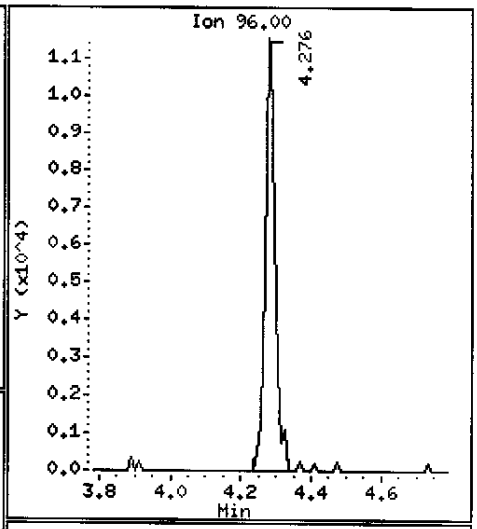
Sample Info: ,D0410-04A,,17654

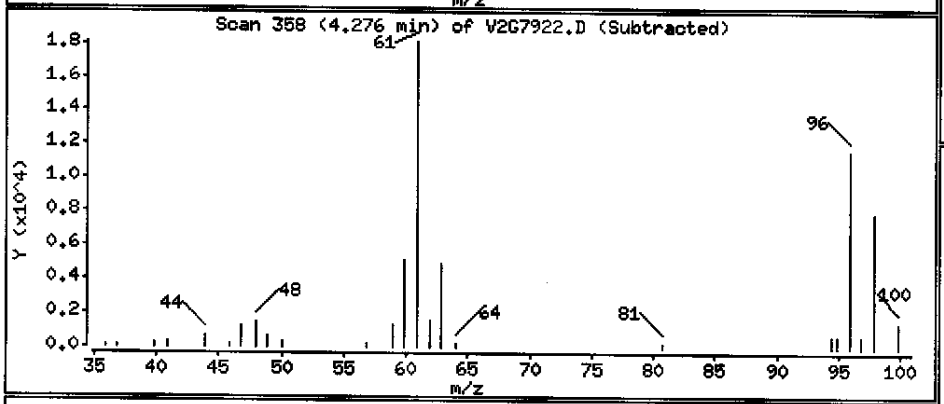
Purge Volume: 5.0 Operator: JC SRC: LIMS

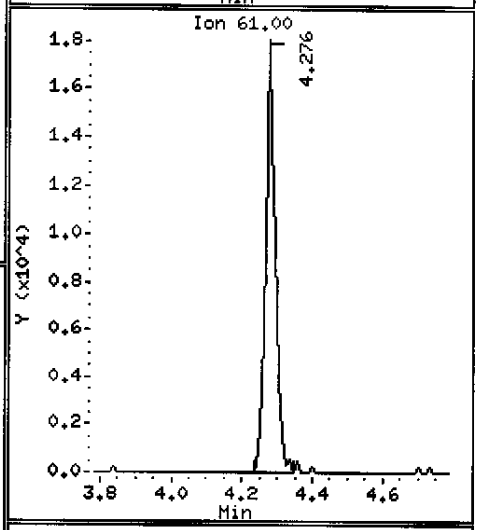
Column phase: DB-624 Column diameter: 0.25

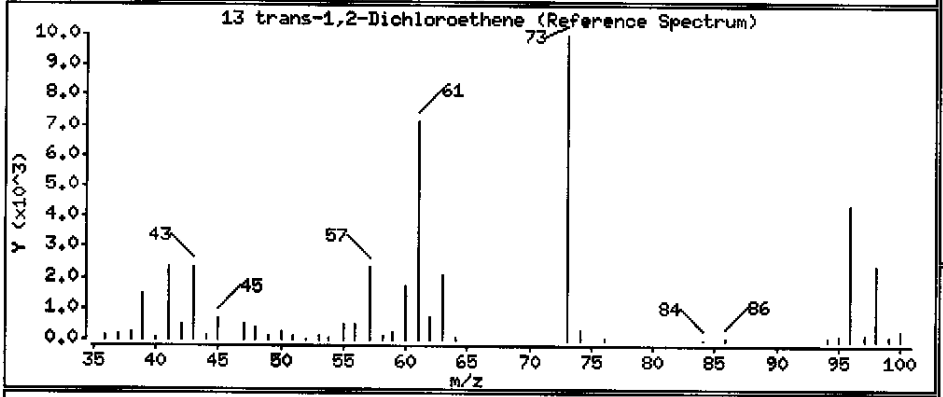
13 trans-1,2-Dichloroethene Concentration: 4 ug/L

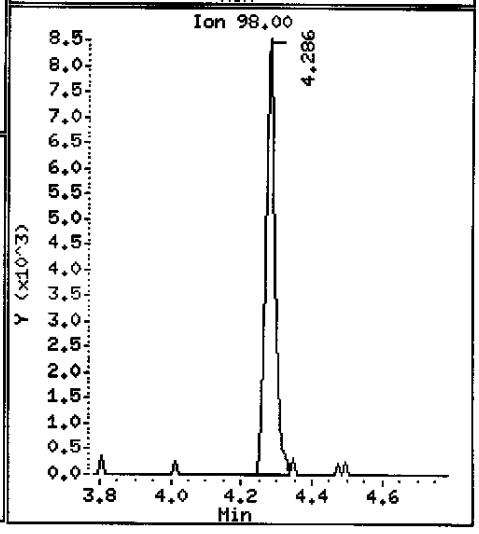


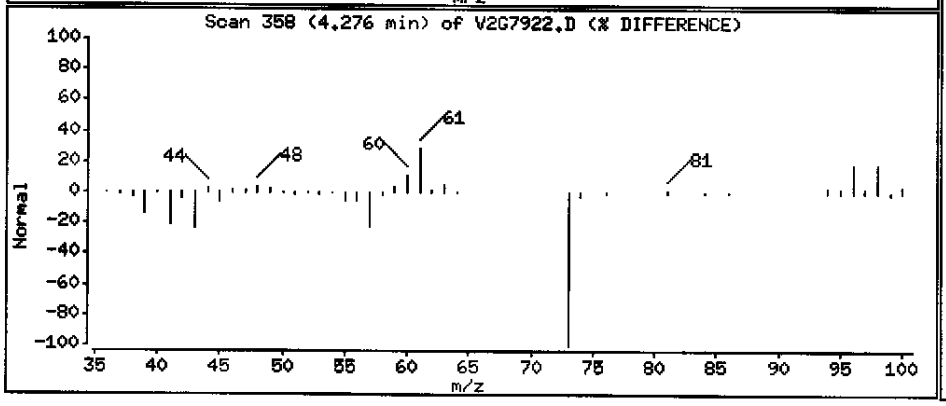












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7922.D

Date : 13-APR-2005 16:45

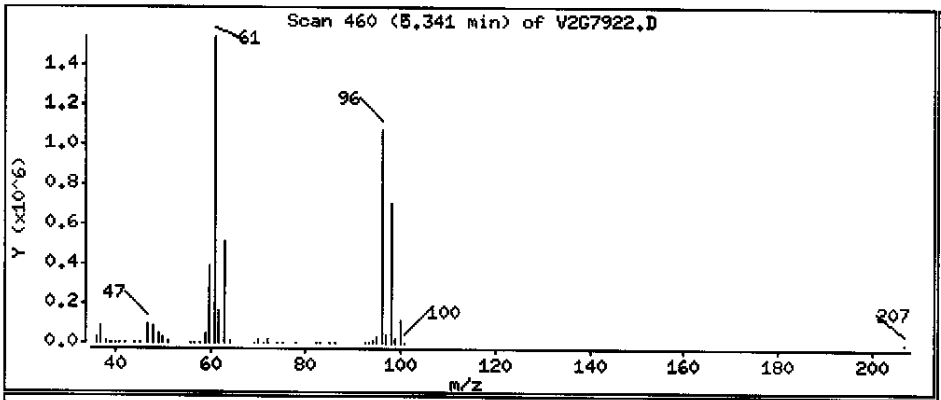
Client ID: BR677692 Instrument: V2.i

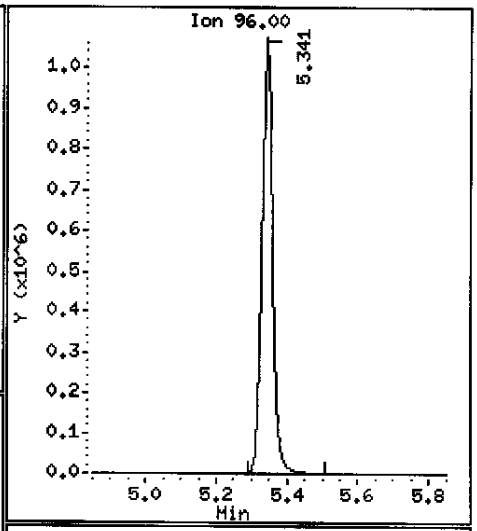
Sample Info: ,D0410-04A,,17654

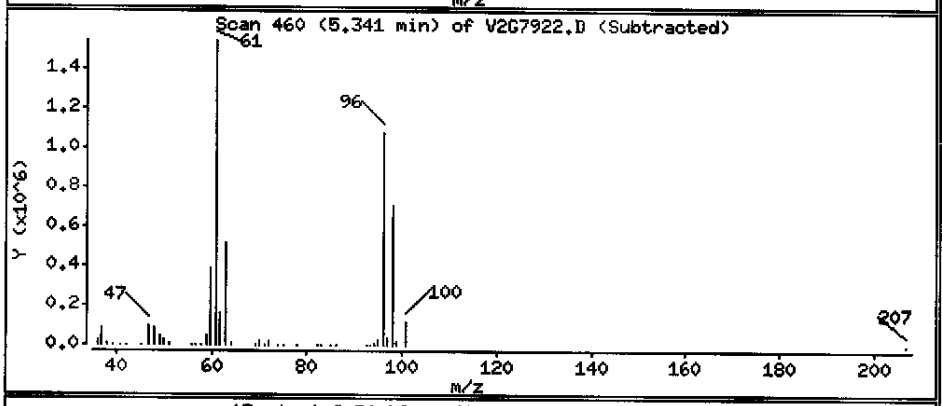
Purge Volume: 5.0 Operator: JC SRC: LIMS

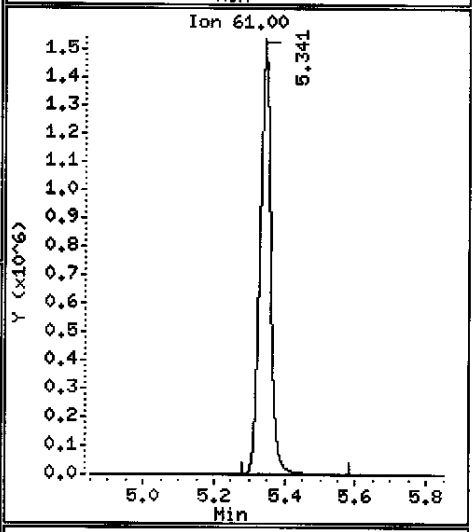
Column phase: DB-624 Column diameter: 0.25

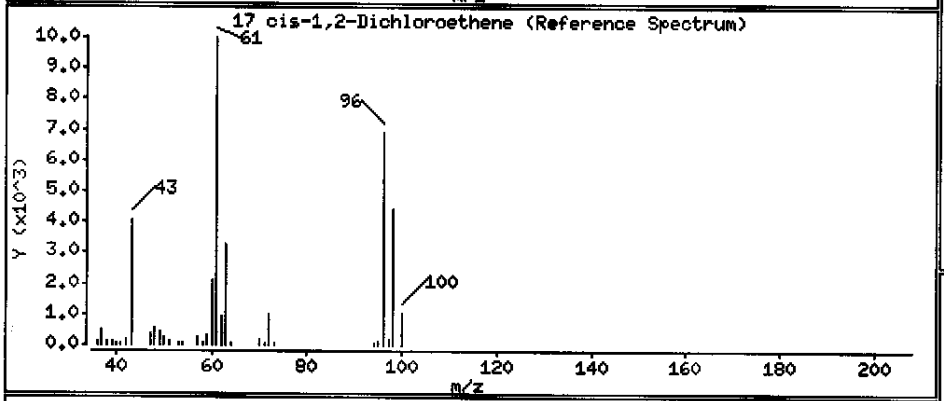
17 cis-1,2-Dichloroethene Concentration: 380 ug/L

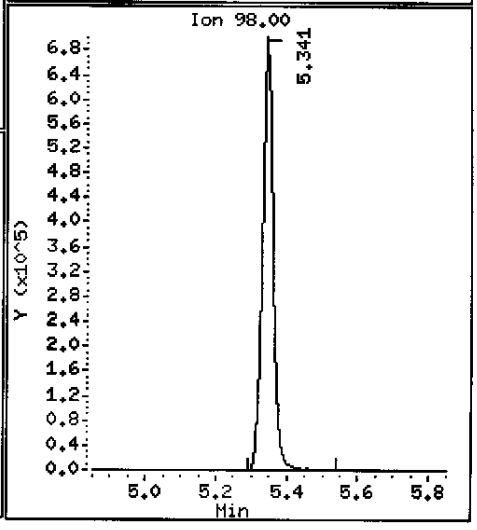


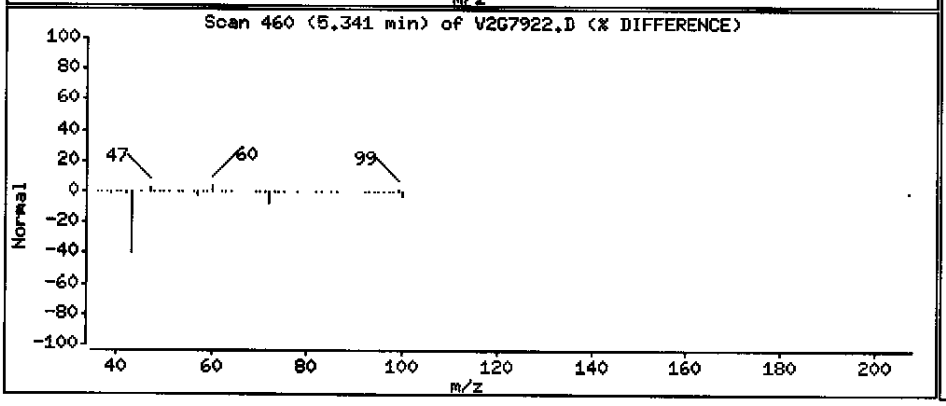












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7922.D

Date : 13-APR-2005 16:45

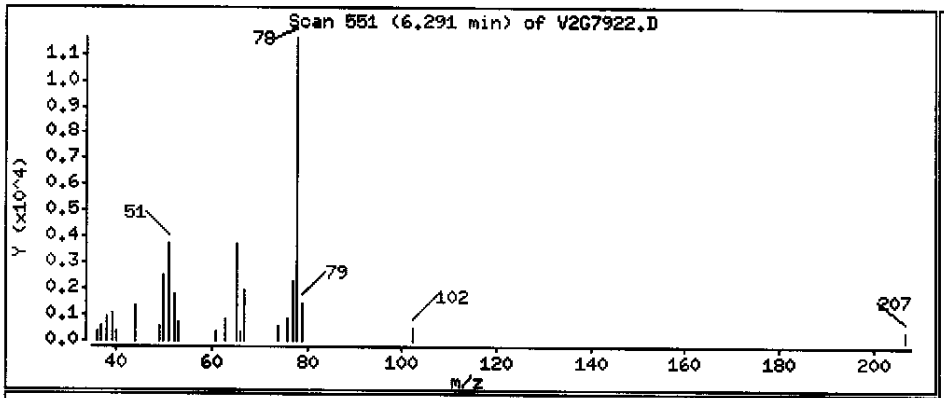
Client ID: BR677692 Instrument: V2.i

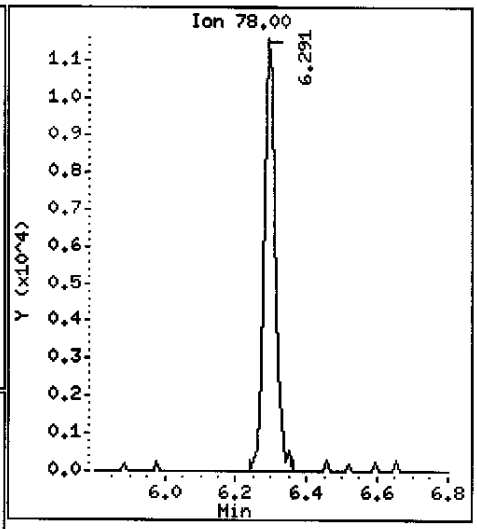
Sample Info: ,D0410-04A,,17654

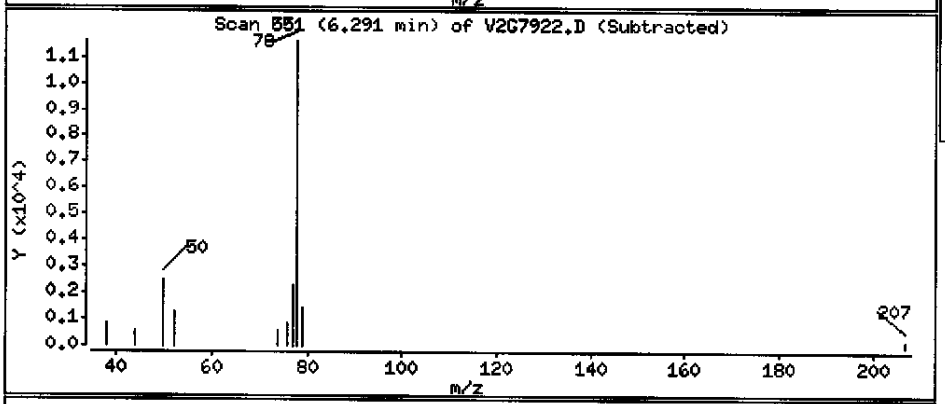
Purge Volume: 5.0 Operator: JC SRC: LIMS

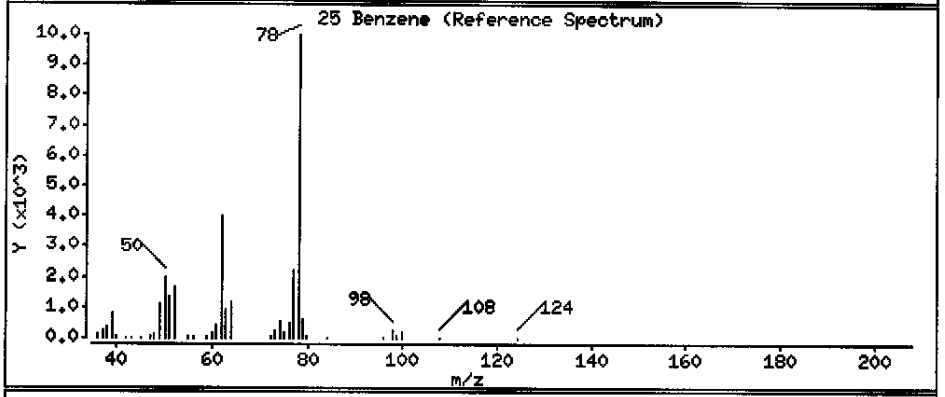
Column phase: DB-624 Column diameter: 0.25

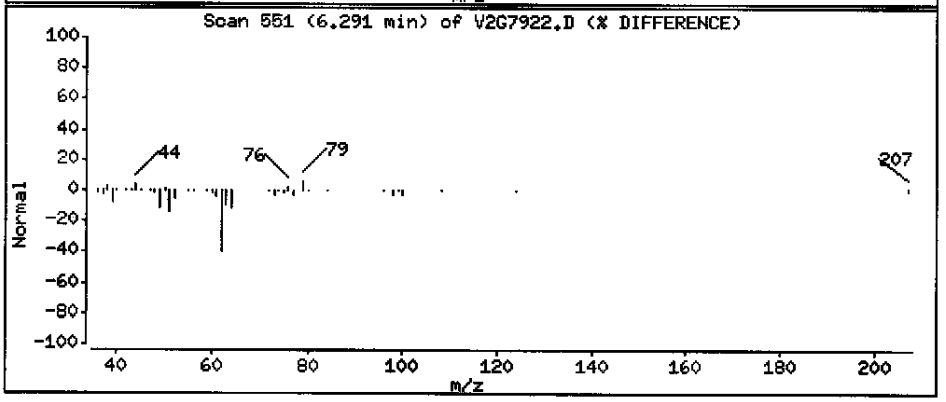
25 Benzene Concentration: 2 ug/L











Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7922.D

Date : 13-APR-2005 16:45

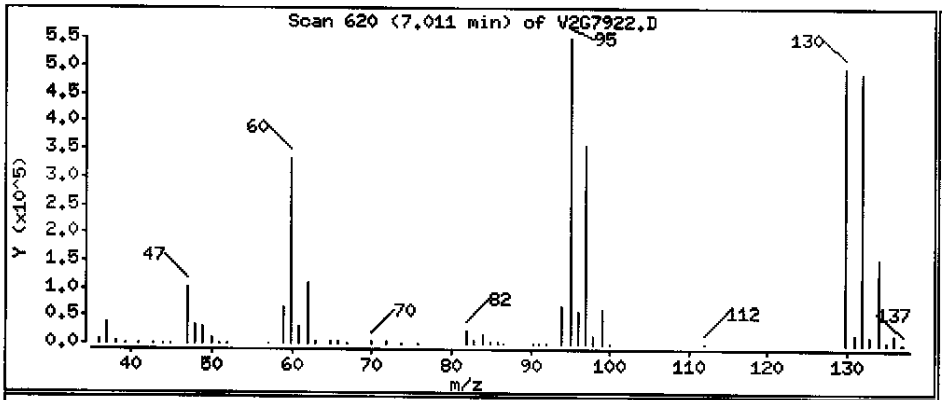
Client ID: BR677692 Instrument: V2.i

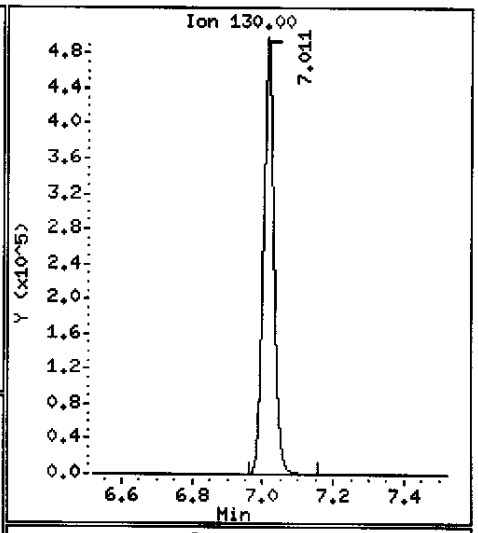
Sample Info: ,D0410-04A,,17654

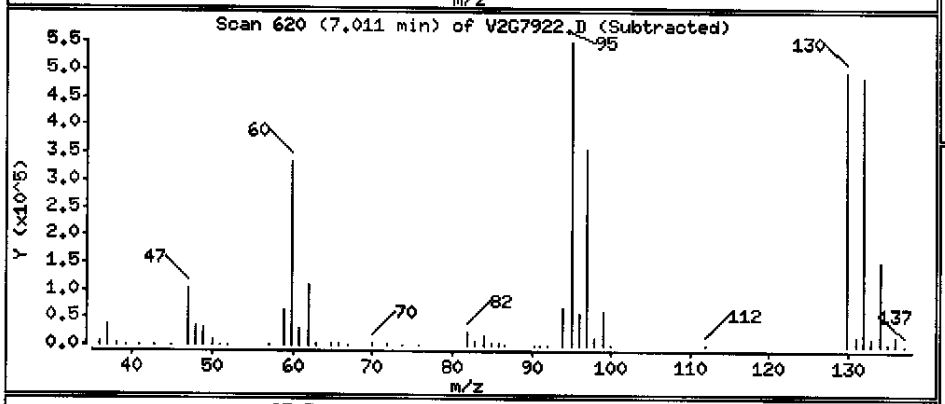
Purge Volume: 5.0 Operator: JC SRC: LIMS

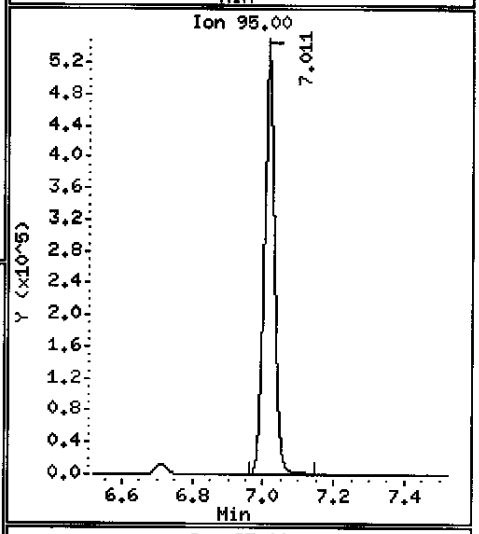
Column phase: DB-624 Column diameter: 0.25

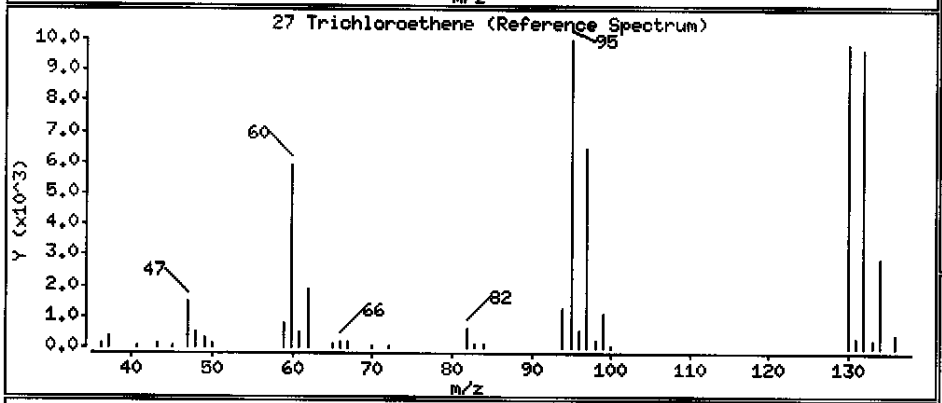
27 Trichloroethene Concentration: 210 ug/L

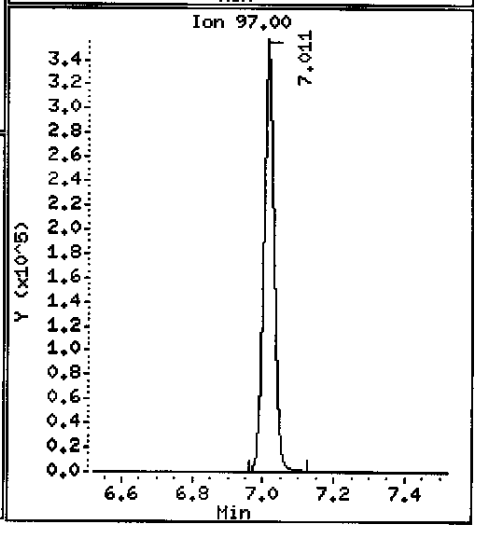


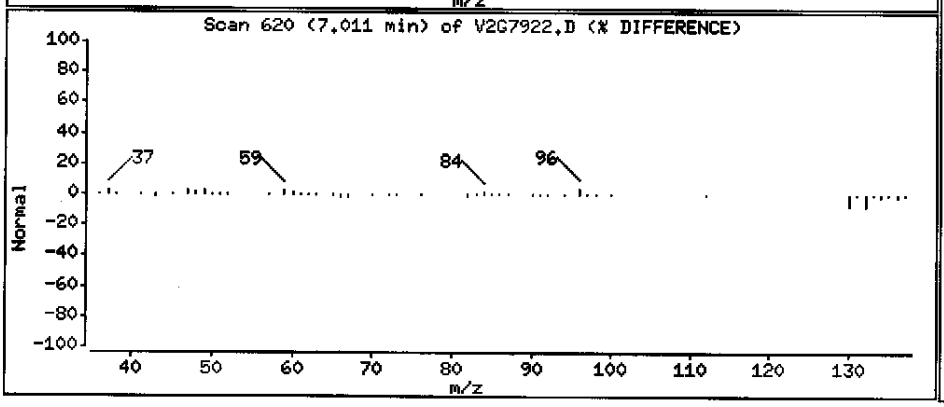












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7922.D

Date : 13-APR-2005 16:45

Client ID: BR677692

Instrument: V2.i

Sample Info: ,D0410-04A,,17654

Purge Volume: 5.0

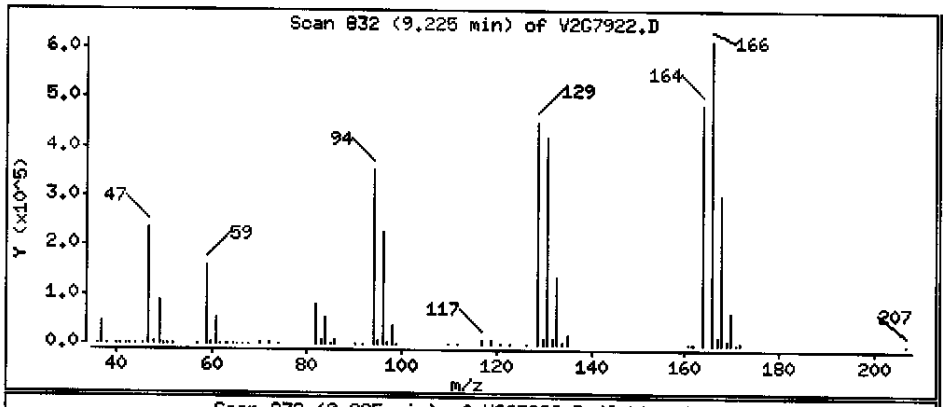
Operator: JC SRC: LIMS

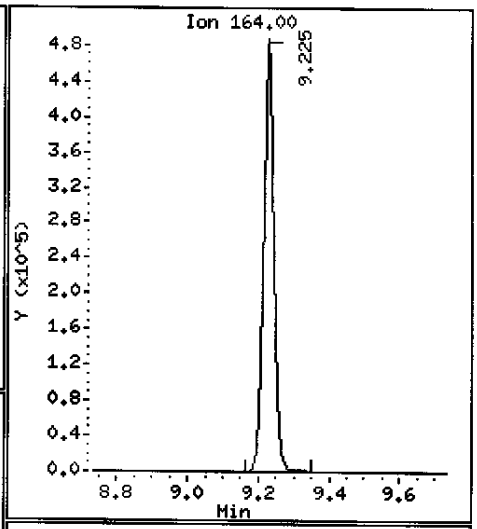
Column phase: DB-624

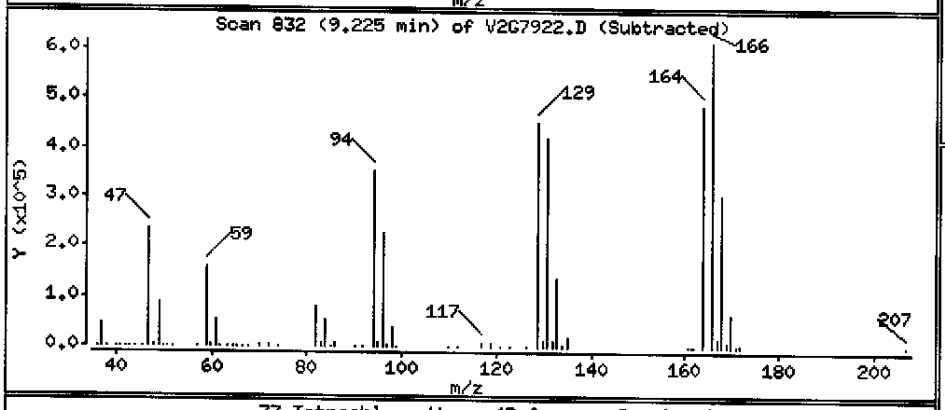
Column diameter: 0.25

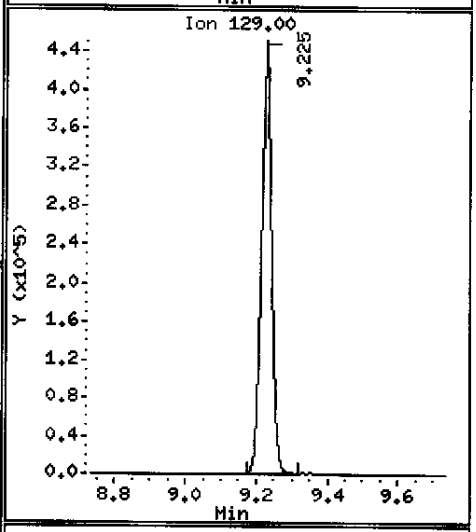
37 Tetrachloroethene

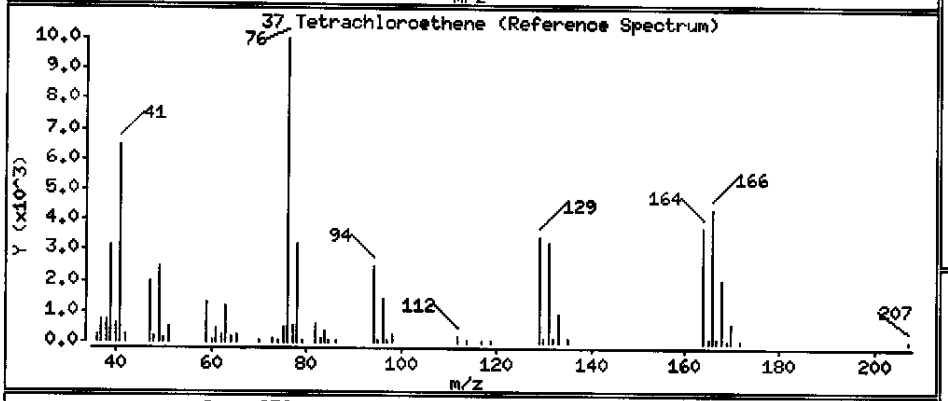
Concentration: 270 ug/L

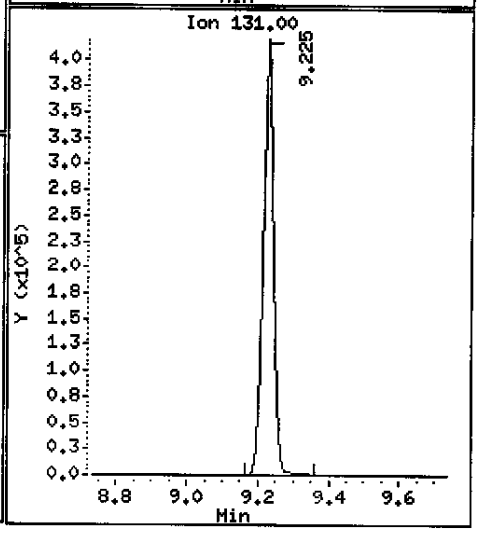


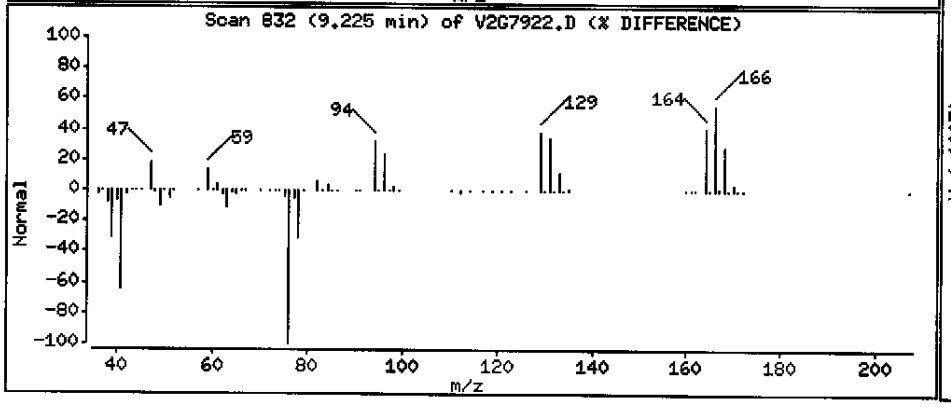












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR677692DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-04ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7929

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 3.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	30	U
74-87-3	Chloromethane	30	U
75-01-4	Vinyl Chloride	21	DJ
74-83-9	Bromomethane	30	U
75-00-3	Chloroethane	30	U
75-69-4	Trichlorofluoromethane	30	U
75-35-4	1,1-Dichloroethene	30	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	30	U
67-64-1	Acetone	30	U
75-15-0	Carbon Disulfide	30	U
79-20-9	Methyl Acetate	30	U
75-09-2	Methylene Chloride	30	U
156-60-5	trans-1,2-Dichloroethene	3	DJ
1634-04-4	Methyl tert-Butyl Ether	30	U
75-34-3	1,1-Dichloroethane	30	U
156-59-2	cis-1,2-Dichloroethene	420	D
78-93-3	2-Butanone	30	U
67-66-3	Chloroform	30	U
71-55-6	1,1,1-Trichloroethane	30	U
110-82-7	Cyclohexane	30	U
56-23-5	Carbon Tetrachloride	30	U
71-43-2	Benzene	30	U
107-06-2	1,2-Dichloroethane	30	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR677692DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-04ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7929

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 3.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	200	D
108-87-2	Methylcyclohexane	30	U
78-87-5	1,2-Dichloropropane	30	U
75-27-4	Bromodichloromethane	30	U
10061-01-5	cis-1,3-Dichloropropene	30	U
108-10-1	4-Methyl-2-Pentanone	30	U
108-88-3	Toluene	30	U
10061-02-6	trans-1,3-Dichloropropene	30	U
79-00-5	1,1,2-Trichloroethane	30	U
127-18-4	Tetrachloroethene	230	D
591-78-6	2-Hexanone	30	U
124-48-1	Dibromochloromethane	30	U
106-93-4	1,2-Dibromoethane	30	U
108-90-7	Chlorobenzene	30	U
100-41-4	Ethylbenzene	30	U
1330-20-7	Xylene (Total)	30	U
100-42-5	Styrene	30	U
75-25-2	Bromoform	30	U
98-82-8	Isopropylbenzene	30	U
79-34-5	1,1,2,2-Tetrachloroethane	30	U
541-73-1	1,3-Dichlorobenzene	30	U
106-46-7	1,4-Dichlorobenzene	30	U
95-50-1	1,2-Dichlorobenzene	30	U
96-12-8	1,2-Dibromo-3-chloropropane	30	U
120-82-1	1,2,4-Trichlorobenzene	30	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BR677692DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-04ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7929

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

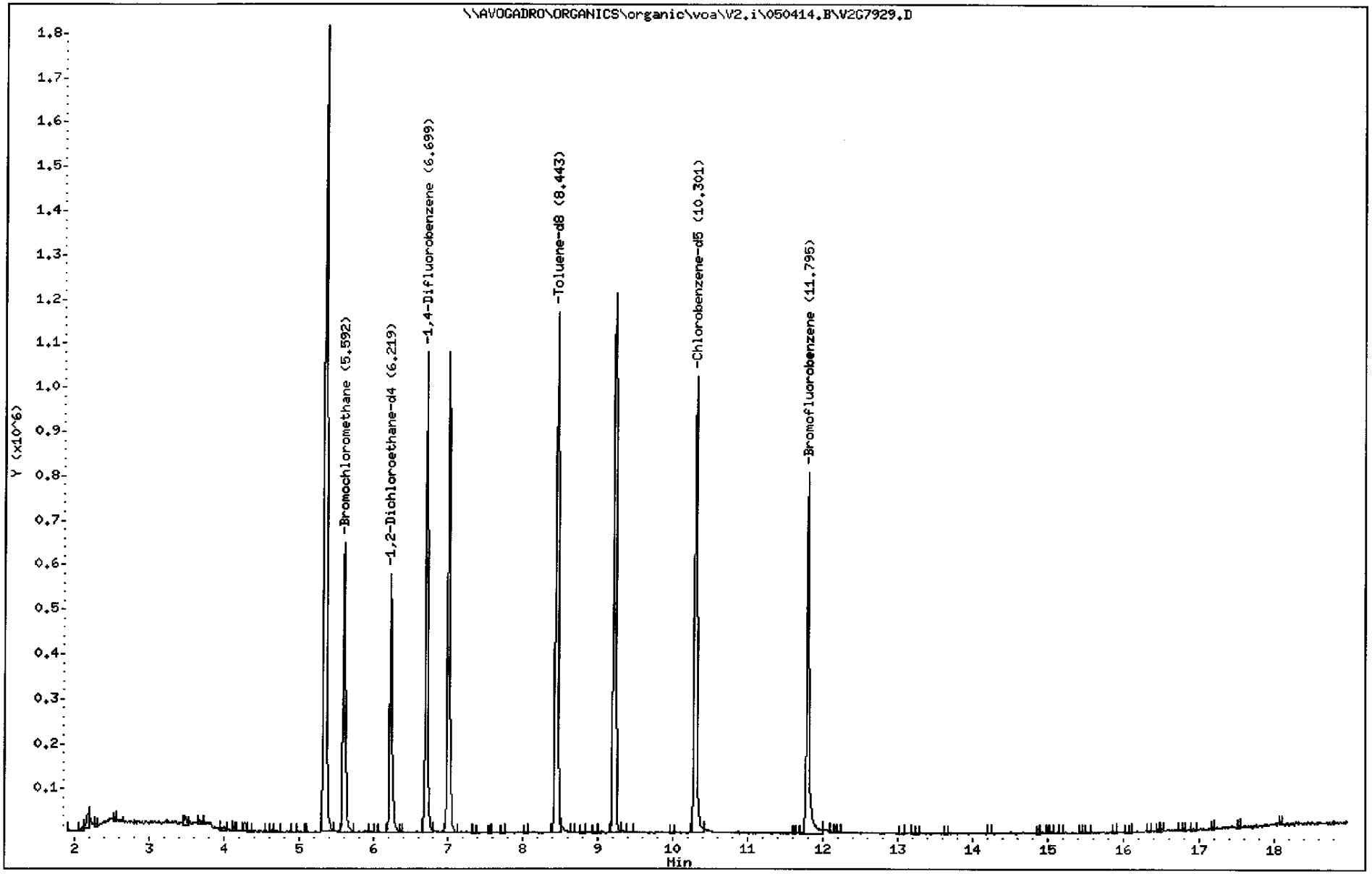
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 3.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7929.D
Date : 14-APR-2005 16:01
Client ID: BR677692DL
Instrument: V2.i
Sample Info: ,D0410-04ADL,,17666,3
Purge Volume: 5.0
Operator: JC SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



0115

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7929.D
Report Date: 03-May-2005 12:04

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7929.D
Lab Smp Id: D0410-04ADL Client Smp ID: BR677692DL
Inj Date : 14-APR-2005 16:01
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-04ADL,,17666,3
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D
Als bottle: 9
Dil Factor: 3.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	3.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	3 Vinyl Chloride	62	2.178	2.210	(0.389)	55054	7.09989	21(a)
	13 trans-1,2-Dichloroethene	96	4.277	4.277	(0.765)	8286	1.16412	3(a)
	17 cis-1,2-Dichloroethene	96	5.331	5.342	(0.953)	866228	139.074	420
*	18 Bromochloromethane	128	5.592	5.593	(1.000)	211271	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.219	6.230	(1.112)	556815	51.7179	52
*	26 1,4-Difluorobenzene	114	6.699	6.710	(1.000)	925446	50.0000	
	27 Trichloroethene	130	7.002	7.013	(1.045)	392109	66.9778	200
$	33 Toluene-d8	98	8.443	8.454	(0.820)	914592	51.4817	51
	37 Tetrachloroethene	164	9.216	9.226	(0.895)	336025	78.2603	230
*	42 Chlorobenzene-d5	117	10.301	10.312	(1.000)	682755	50.0000	
$	50 Bromofluorobenzene	95	11.795	11.795	(1.145)	365497	48.0711	48

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SB 5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7929.D
Report Date: 03-May-2005 12:04

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7929.D
Lab Smp Id: D0410-04ADL Client Smp ID: BR677692DL
Inj Date : 14-APR-2005 16:01
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-04ADL,,17666,3
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D
Als bottle: 9
Dil Factor: 3.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7929.D

Date : 14-APR-2005 16:01

Client ID: BR677692DL

Instrument: V2.i

Sample Info: ,D0410-04ADL,,17666,3

Purge Volume: 5.0

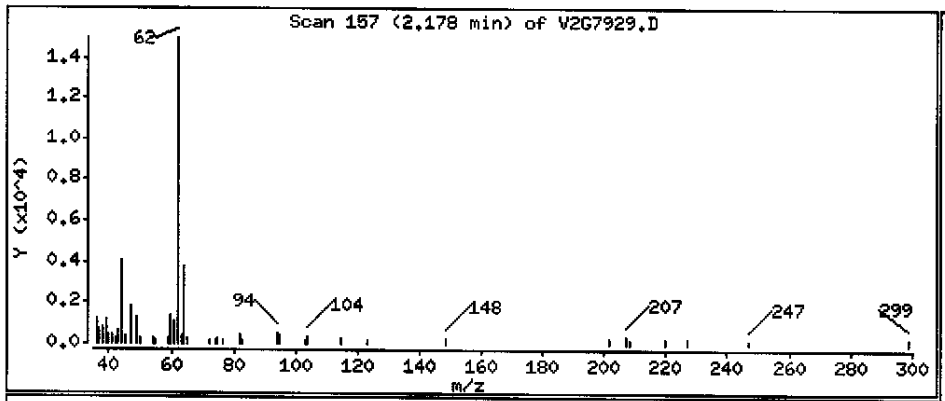
Operator: JC SRC: LIMS

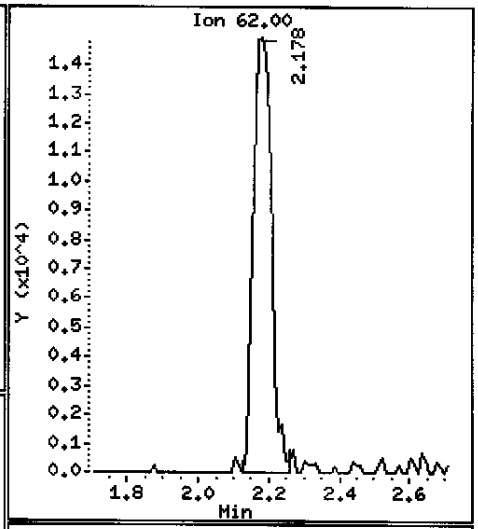
Column phase: DB-624

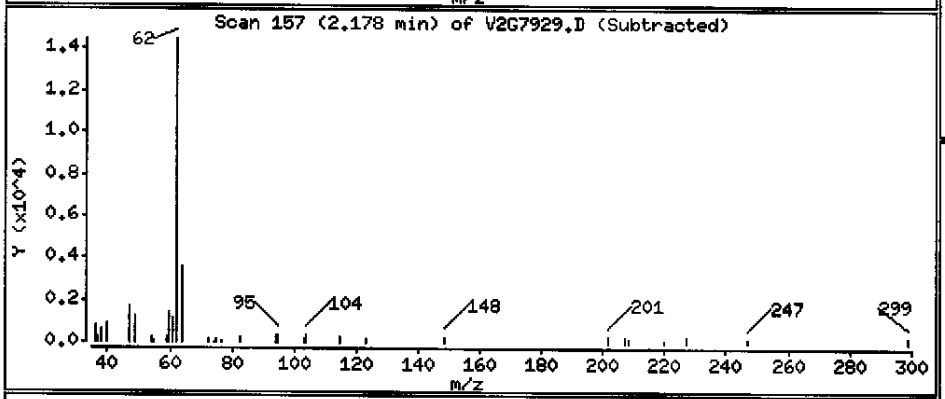
Column diameter: 0.25

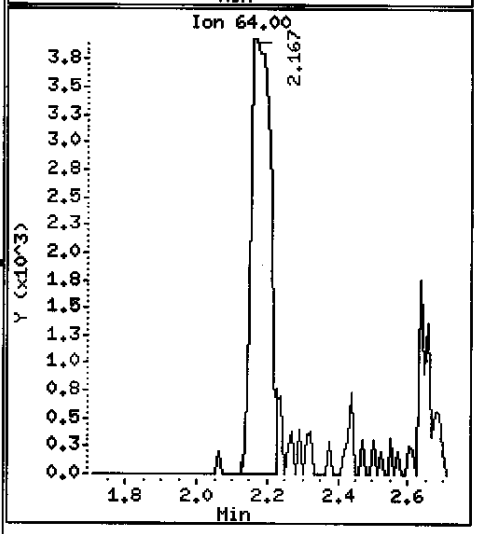
3 Vinyl Chloride

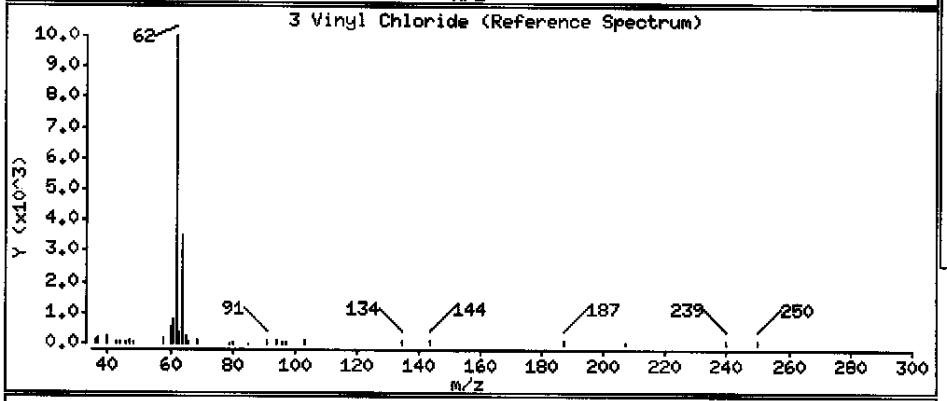
Concentration: 21 ug/L

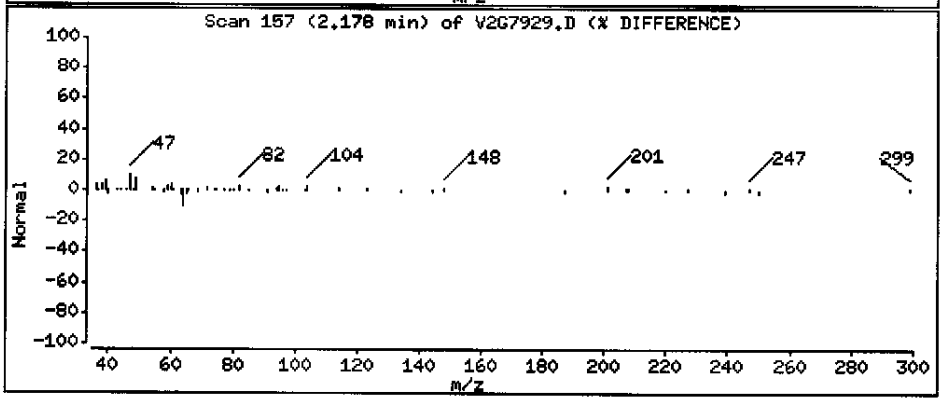












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7929.D

Date : 14-APR-2005 16:01

Client ID: BR677692DL

Instrument: V2.i

Sample Info: ,D0410-04ADL,,17666,3

Purge Volume: 5.0

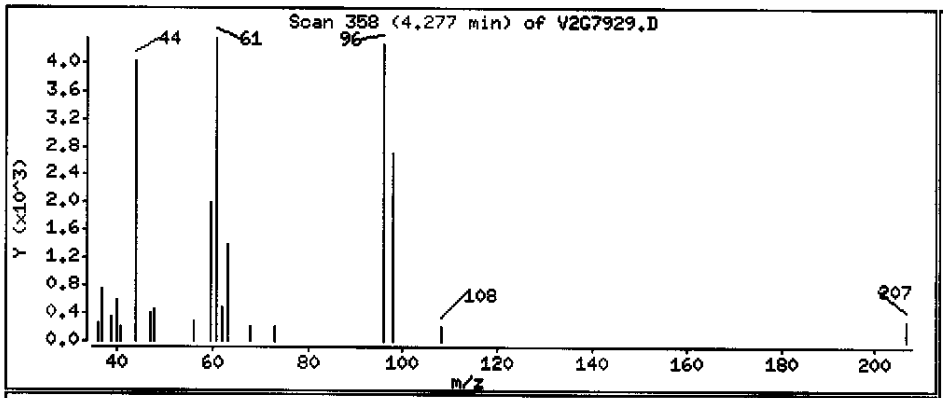
Operator: JC SRC: LIMS

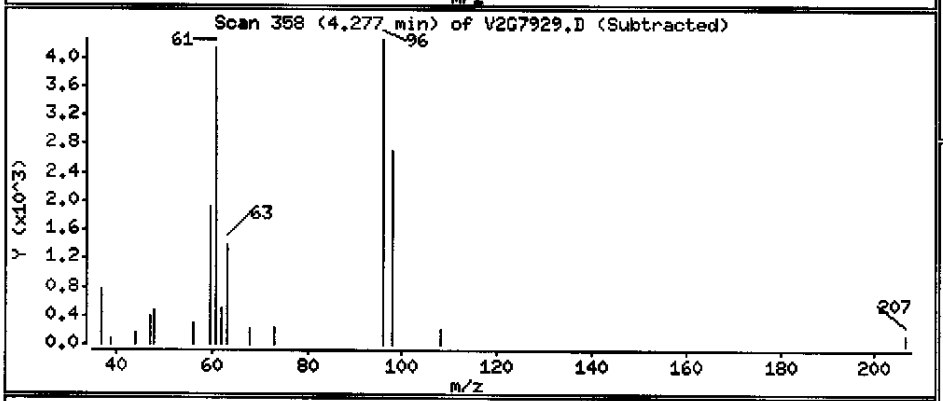
Column phase: DB-624

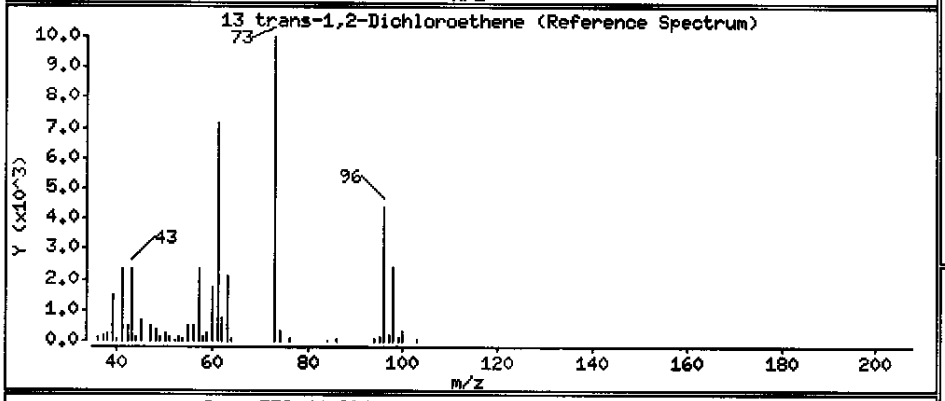
Column diameter: 0.25

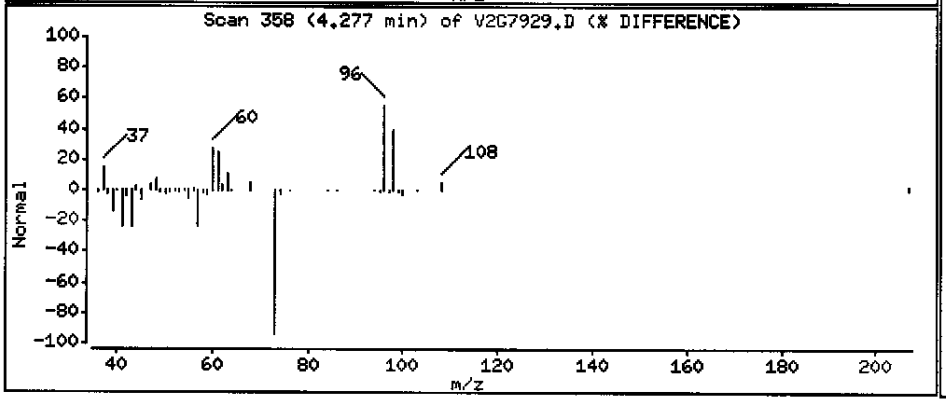
13 trans-1,2-Dichloroethene

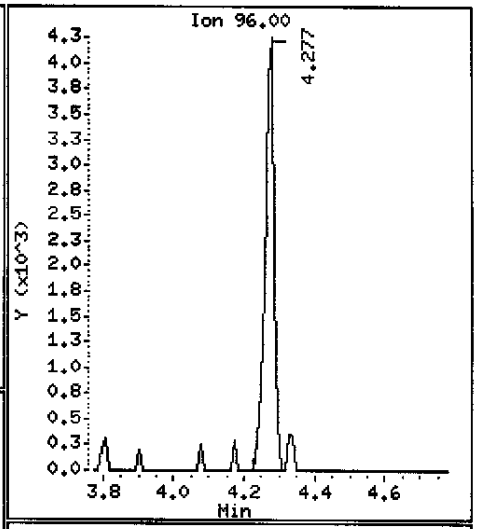
Concentration: 3 ug/L

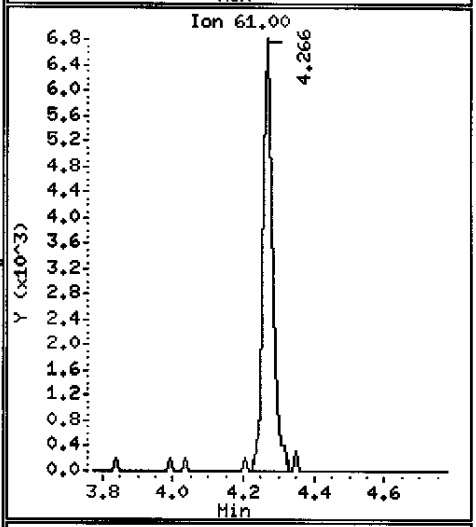


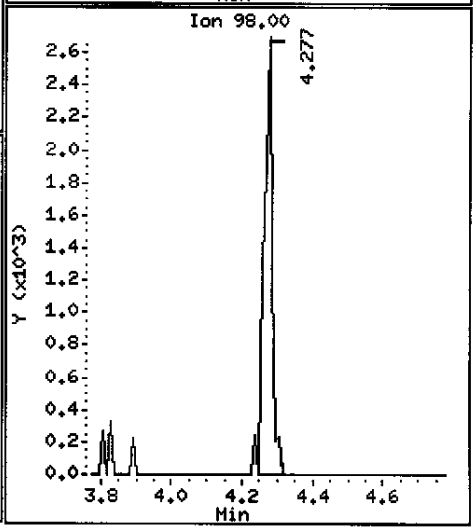












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7929.D

Date : 14-APR-2005 16:01

Client ID: BR677692DL

Instrument: V2.i

Sample Info: ,D0410-04ADL,,17666,3

Purge Volume: 5.0

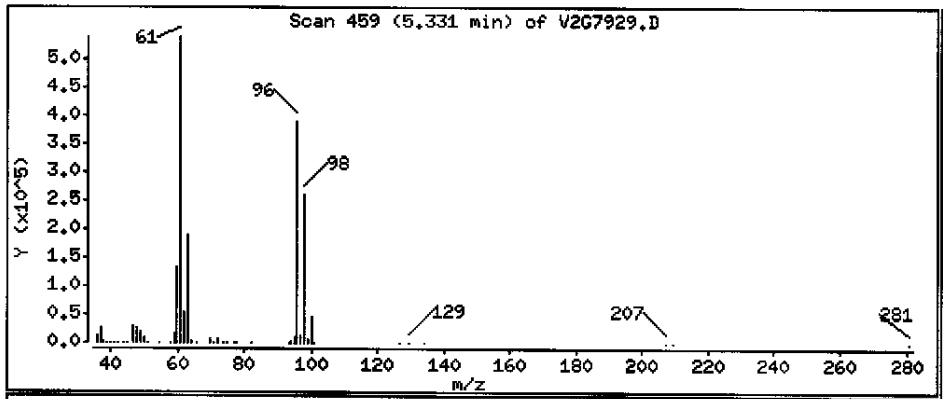
Operator: JC SRC: LIMS

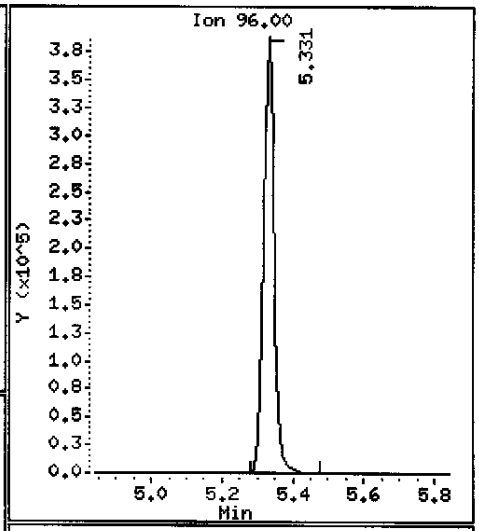
Column phase: DB-624

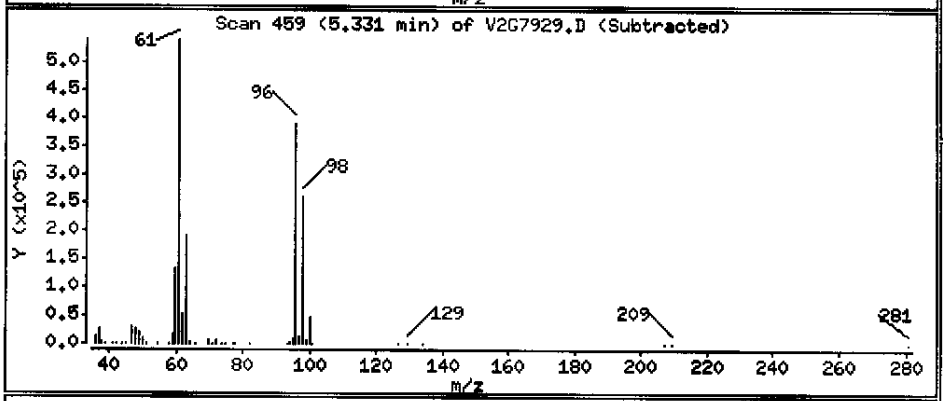
Column diameter: 0.25

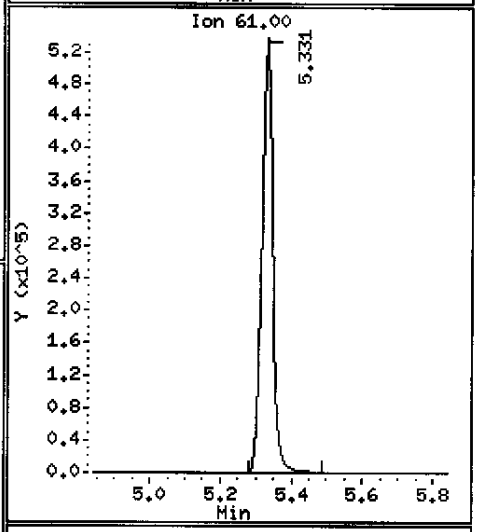
17 cis-1,2-Dichloroethene

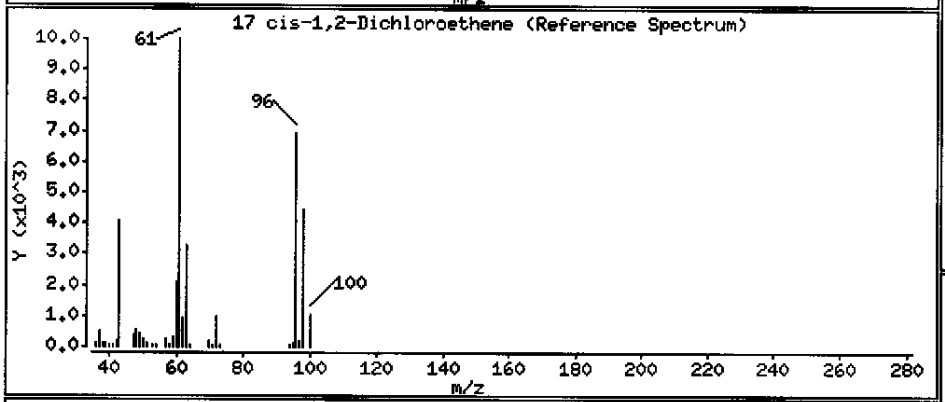
Concentration: 420 ug/L

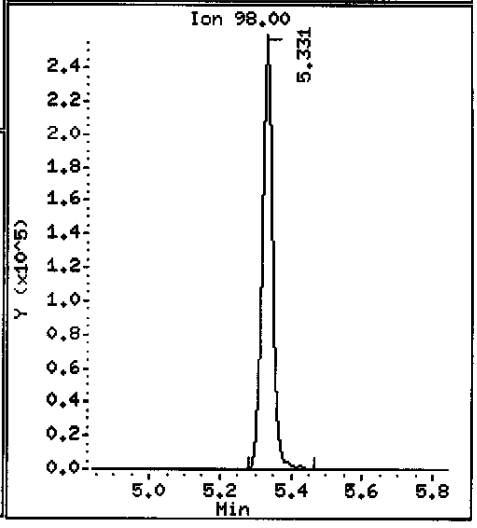


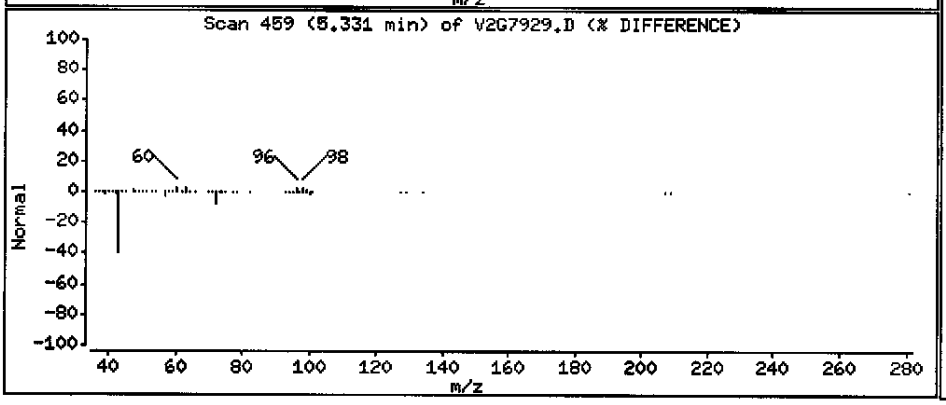












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7929.D

Date : 14-APR-2005 16:01

Client ID: BR677692DL

Instrument: V2.i

Sample Info: ,D0410-04ADL,,17666,3

Purge Volume: 5.0

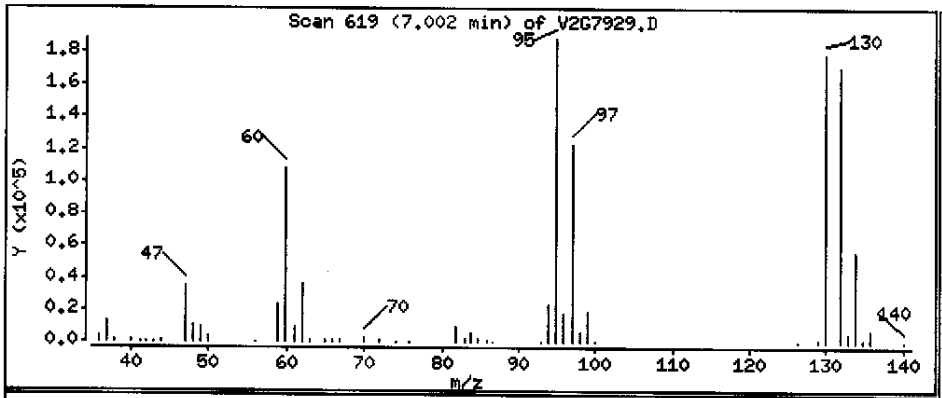
Operator: JC SRC: LIMS

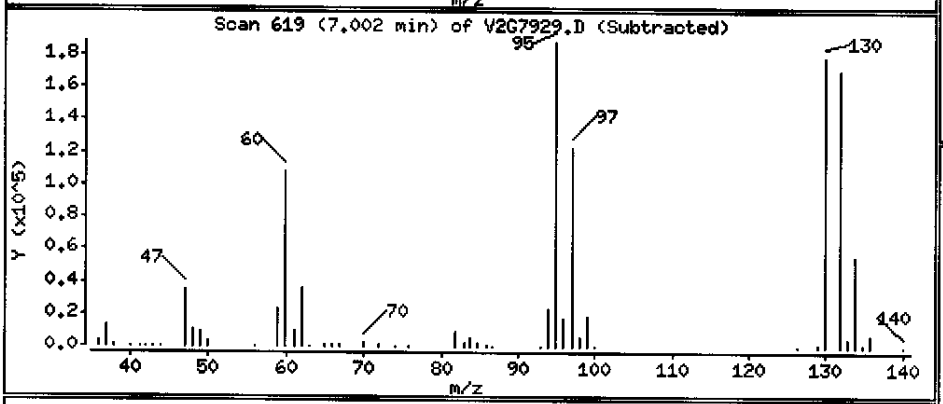
Column phase: DB-624

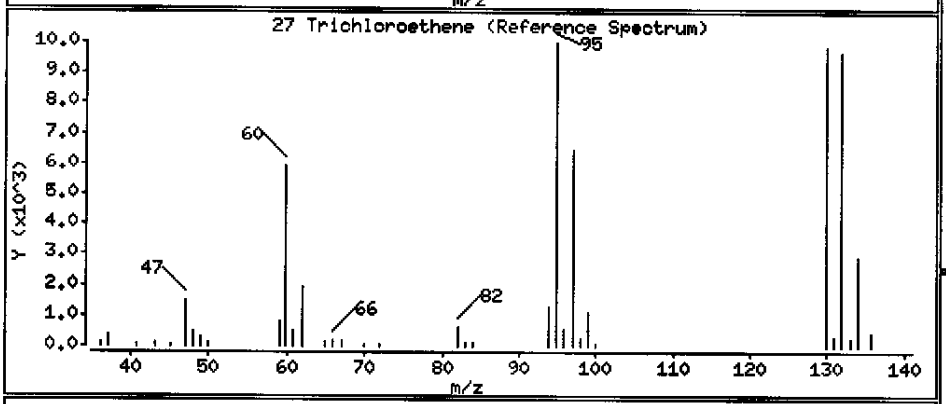
Column diameter: 0.25

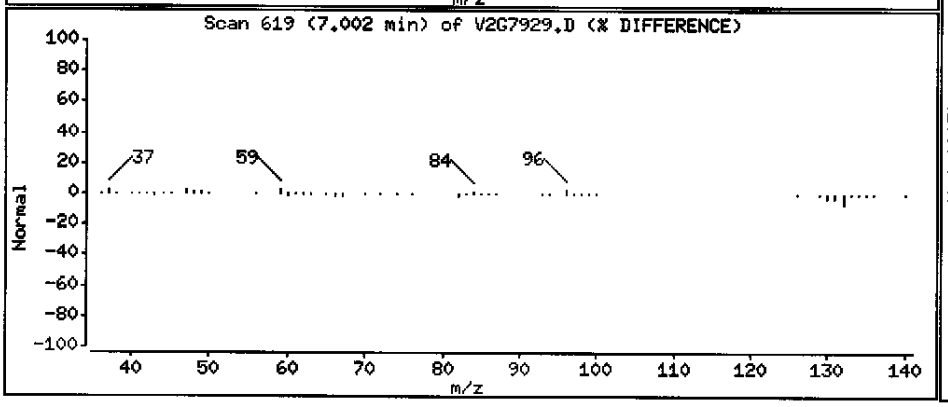
27 Trichloroethene

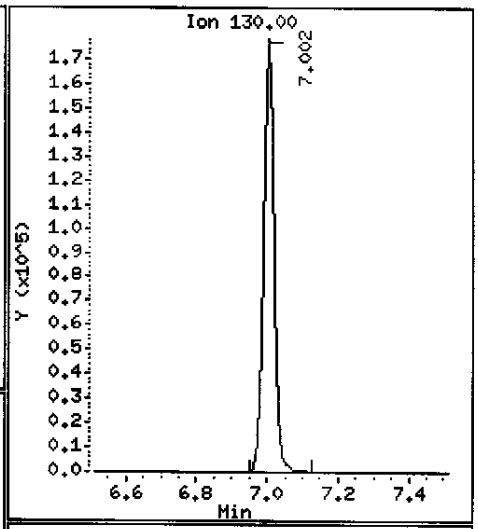
Concentration: 200 ug/L

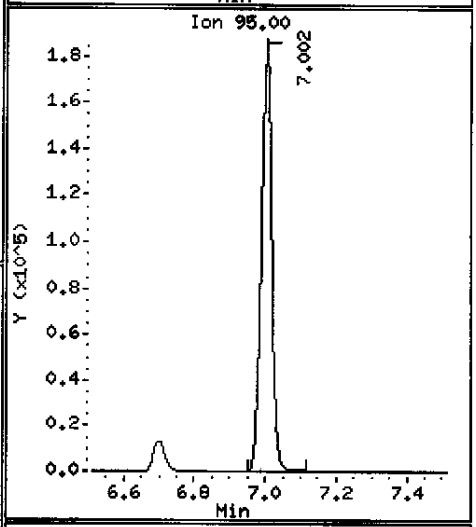


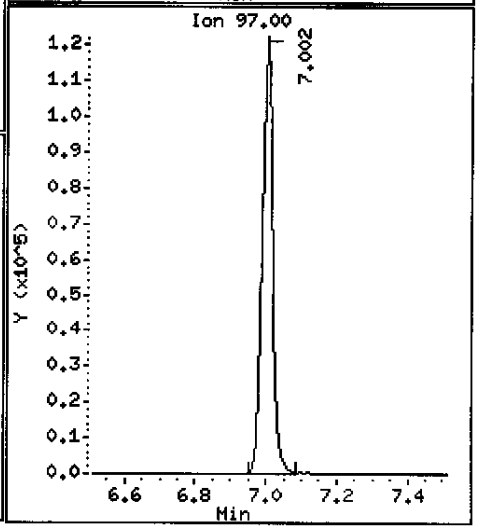












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7929.D

Date : 14-APR-2005 16:01

Client ID: BR677692DL

Instrument: V2.i

Sample Info: ,D0410-04ADL,,17666,3

Purge Volume: 5.0

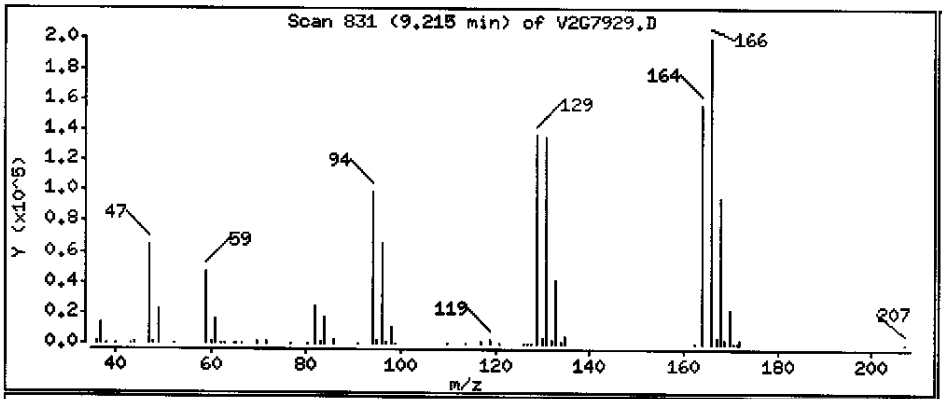
Operator: JC SRC: LIMS

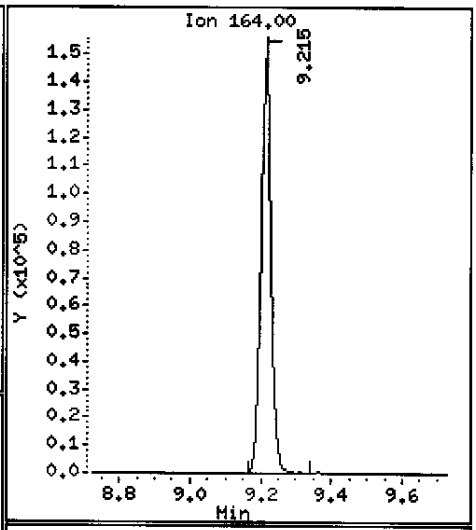
Column phase: DB-624

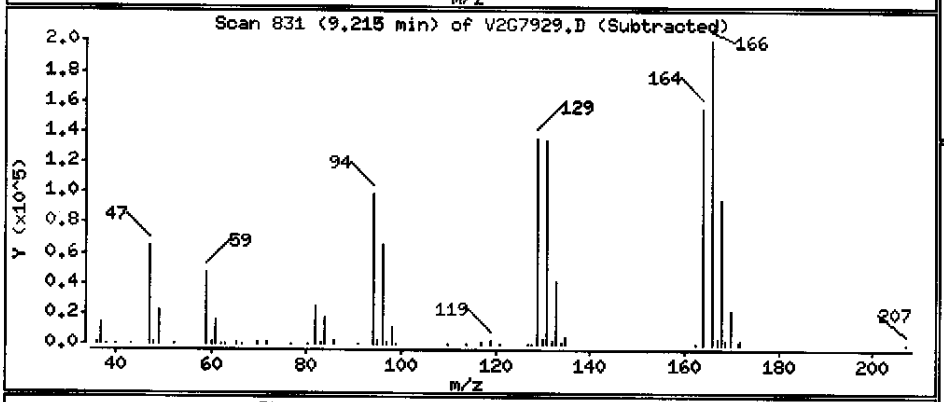
Column diameter: 0.25

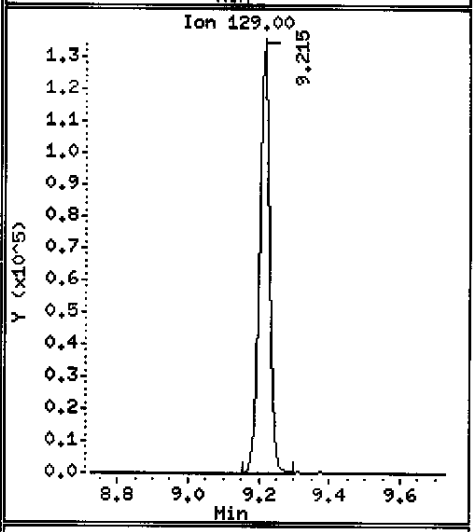
37 Tetrachloroethene

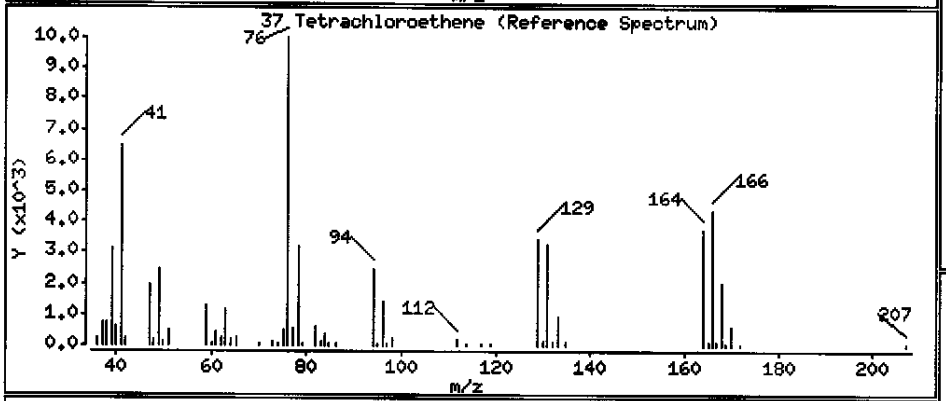
Concentration: 230 ug/L

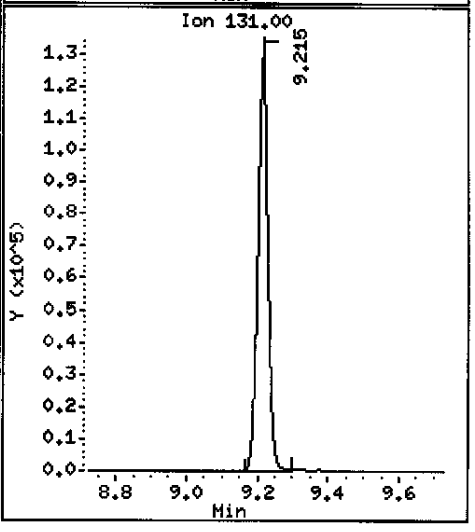


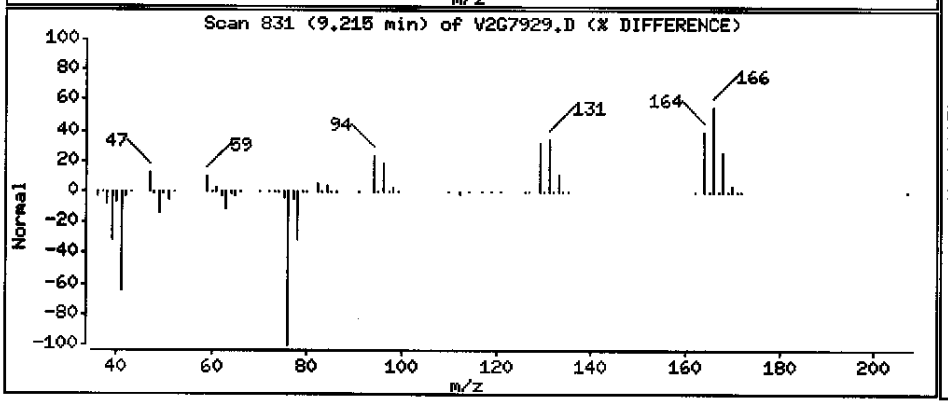












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR807822

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7923

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	17	
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	7	J
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	2	J
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	440	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	3	J
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR807822

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7923

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	47	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	190	
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BR807822

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7923

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

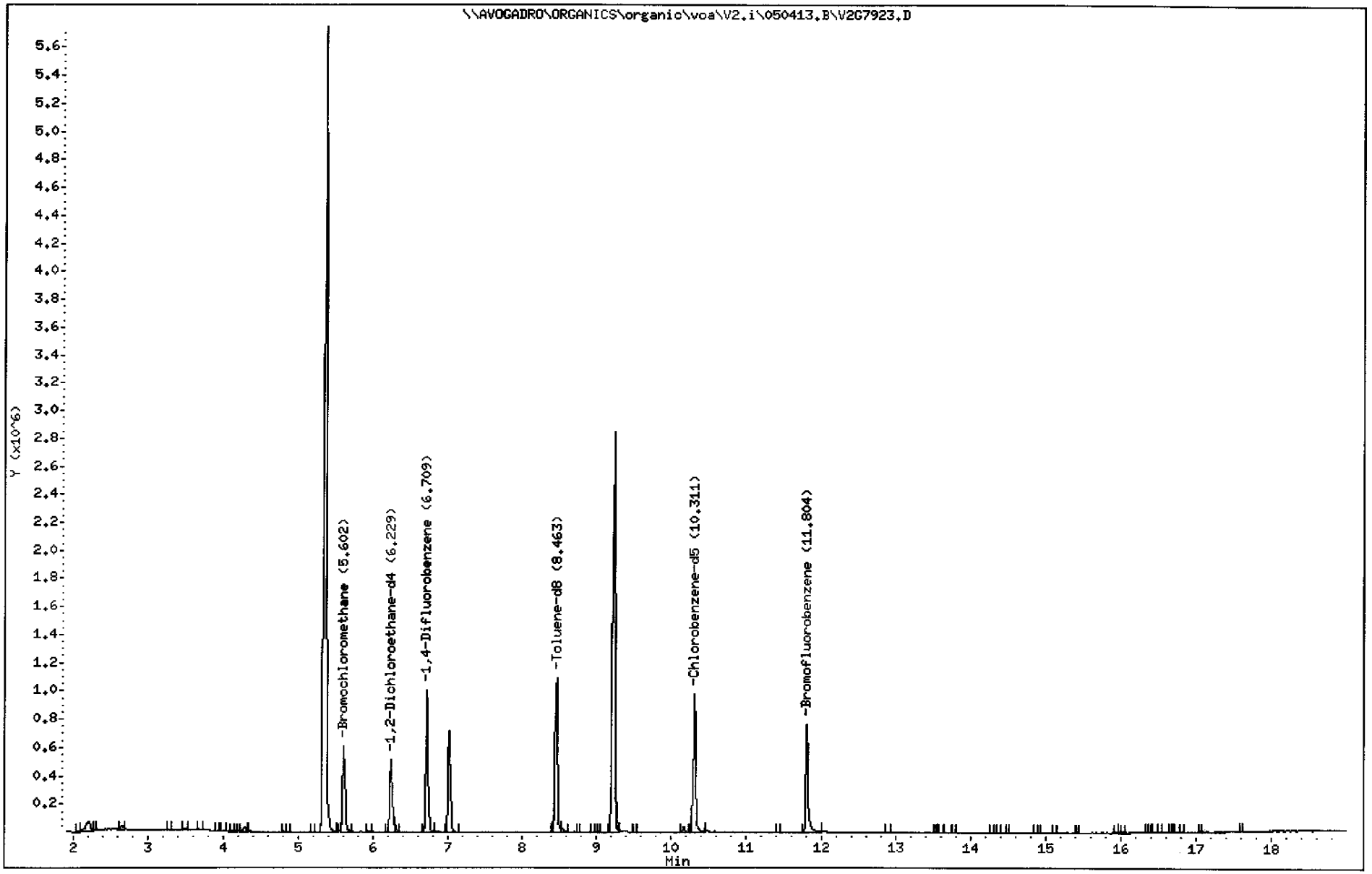
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7923.D
Date : 13-APR-2005 17:11
Client ID: BR807822 Instrument: V2.i
Sample Info: ,D0410-05A,,17654
Purge Volume: 5.0 Operator: JC SRC: LIMS
Column phase: DB-624 Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7923.D
Report Date: 03-May-2005 11:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7923.D
Lab Smp Id: D0410-05A Client Smp ID: BR807822
Inj Date : 13-APR-2005 17:11
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-05A,,17654
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D ✓
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	3 Vinyl Chloride	62	2.198	2.219	(0.392)	122947	17.4006	17
	5 Chloroethane	64	2.658	2.657	(0.474)	30201	7.49196	7(a)
	13 trans-1,2-Dichloroethene	96	4.286	4.286	(0.765)	13495	1.95596	2(a)
	17 cis-1,2-Dichloroethene	96	5.341	5.351	(0.953)	2789921	441.623	440(A)
*	18 Bromochloromethane	128	5.602	5.602	(1.000)	199311	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.229	6.239	(1.112)	502329	46.5185	47
	25 Benzene	78	6.291	6.301	(0.938)	51434	2.82002	3(a)
*	26 1,4-Difluorobenzene	114	6.709	6.719	(1.000)	868612	50.0000	
	27 Trichloroethene	130	7.012	7.022	(1.045)	262735	46.9539	47
$	33 Toluene-d8	98	8.463	8.463	(0.821)	809778	44.5551	45
	37 Tetrachloroethene	164	9.225	9.236	(0.895)	777430	186.119	190
*	42 Chlorobenzene-d5	117	10.311	10.322	(1.000)	654897	50.0000	
$	50 Bromofluorobenzene	95	11.804	11.804	(1.145)	328944	45.0986	45

SB 5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7923.D
Report Date: 03-May-2005 11:48

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7923.D
Report Date: 03-May-2005 11:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7923.D
Lab Smp Id: D0410-05A Client Smp ID: BR807822
Inj Date : 13-APR-2005 17:11
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-05A,,17654
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7923.D

Date : 13-APR-2005 17:11

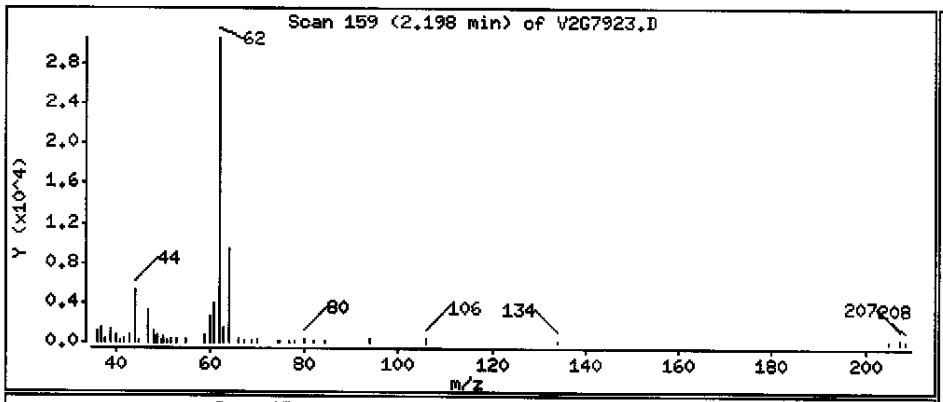
Client ID: BR807822 Instrument: V2.i

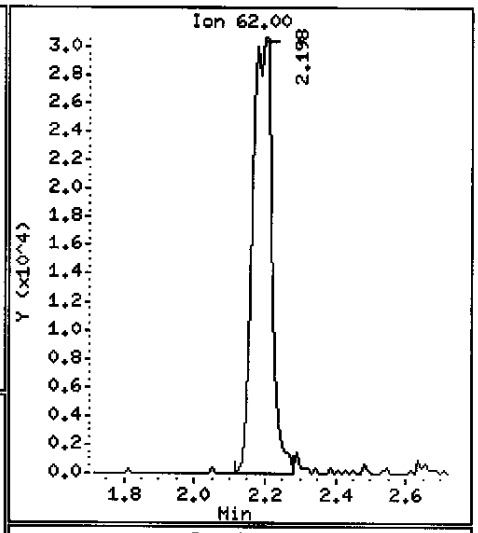
Sample Info: ,D0410-05A,,17654

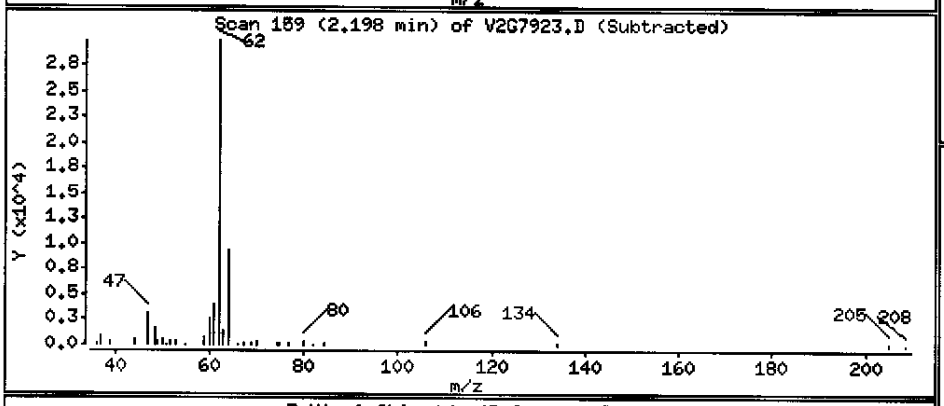
Purge Volume: 5.0 Operator: JC SRC: LIMS

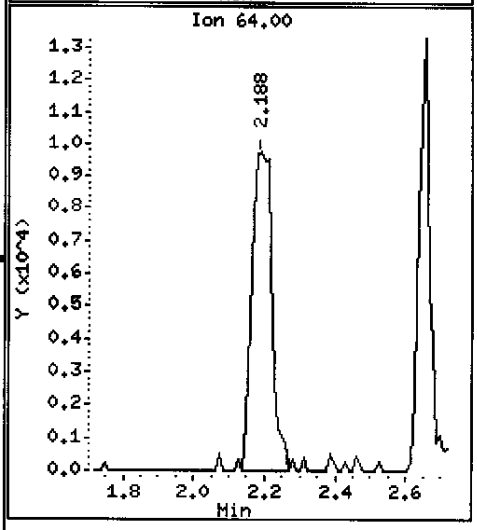
Column phase: DB-624 Column diameter: 0.25

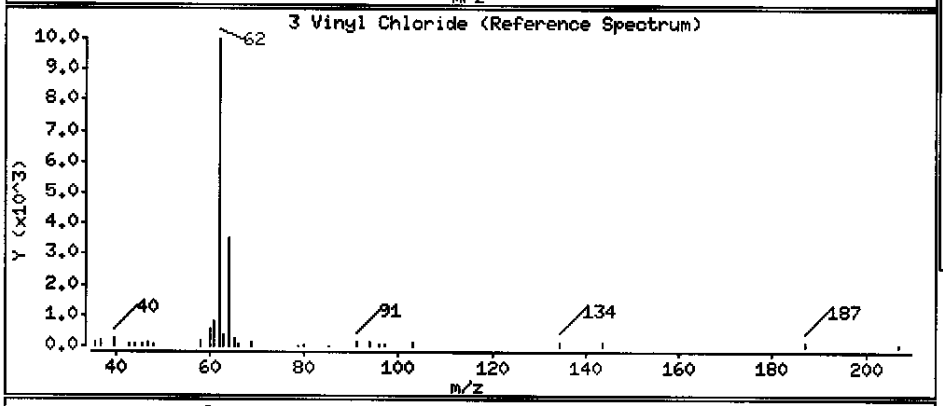
3 Vinyl Chloride Concentration: 17 ug/L

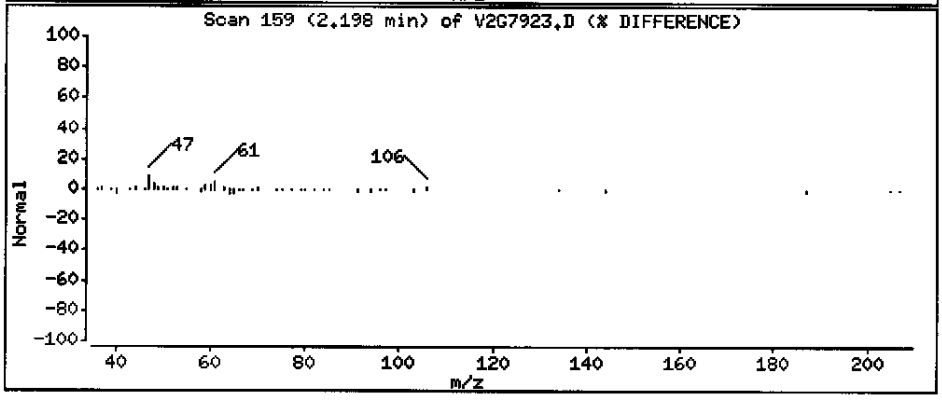












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7923.D

Date : 13-APR-2005 17:11

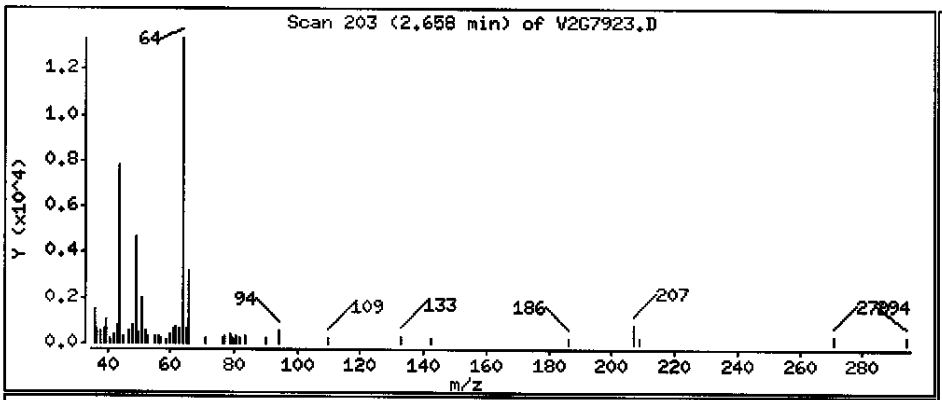
Client ID: BR807822 Instrument: V2.i

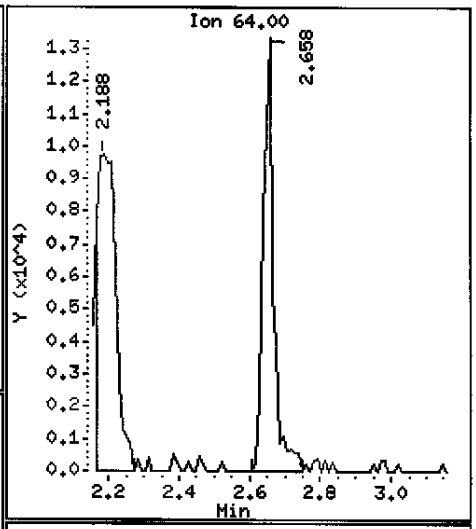
Sample Info: ,D0410-05A,,17654

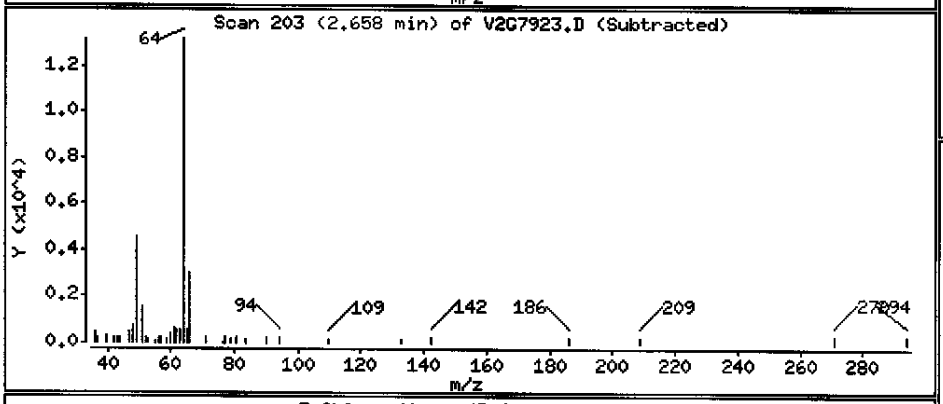
Purge Volume: 5.0 Operator: JC SRC: LIMS

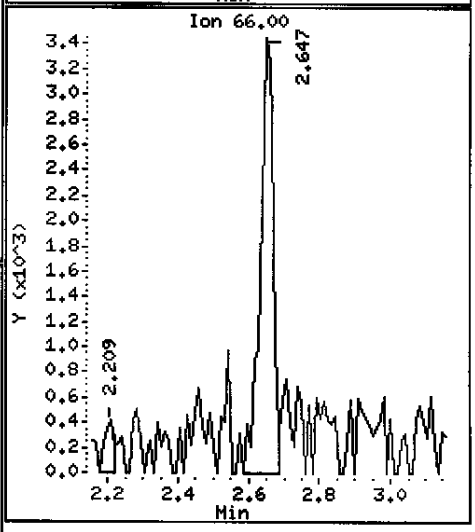
Column phase: DB-624 Column diameter: 0.25

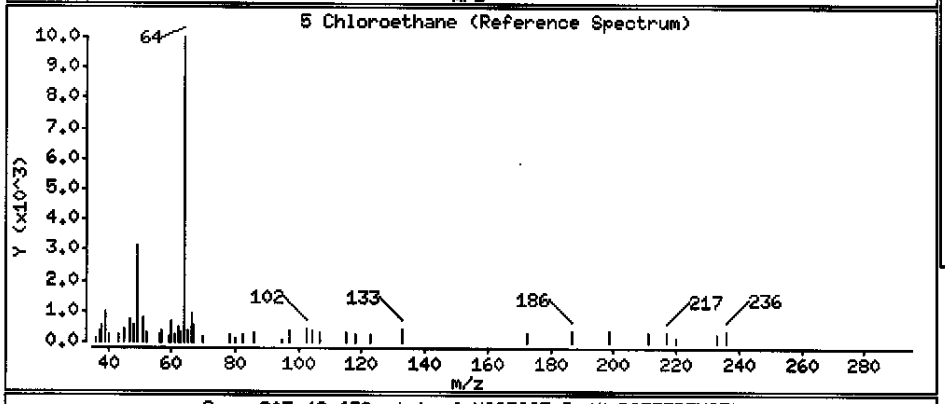
5 Chloroethane Concentration: 7 ug/L

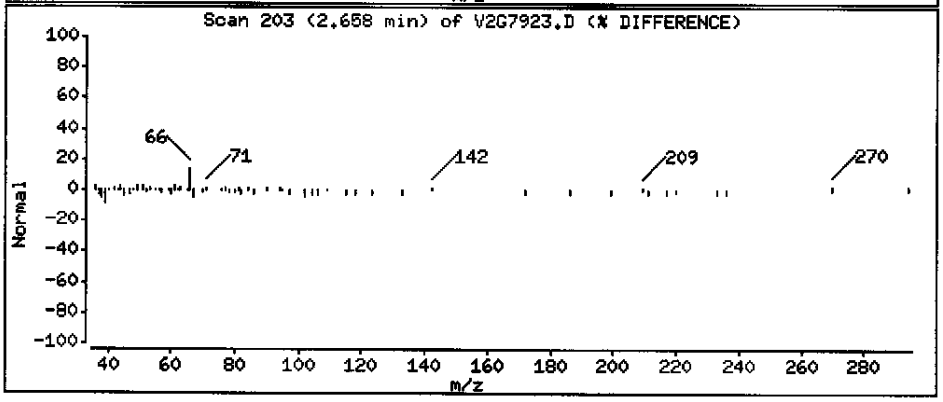












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7923.D

Date : 13-APR-2005 17:11

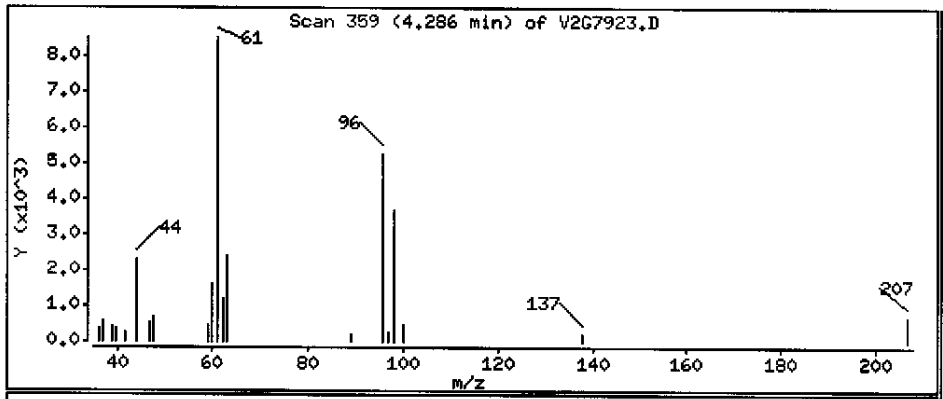
Client ID: BR807822 Instrument: V2.i

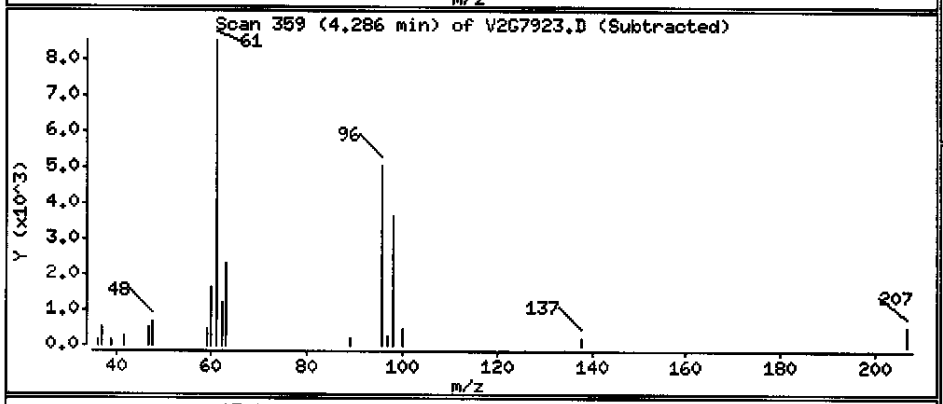
Sample Info: ,D0410-05A,,17654

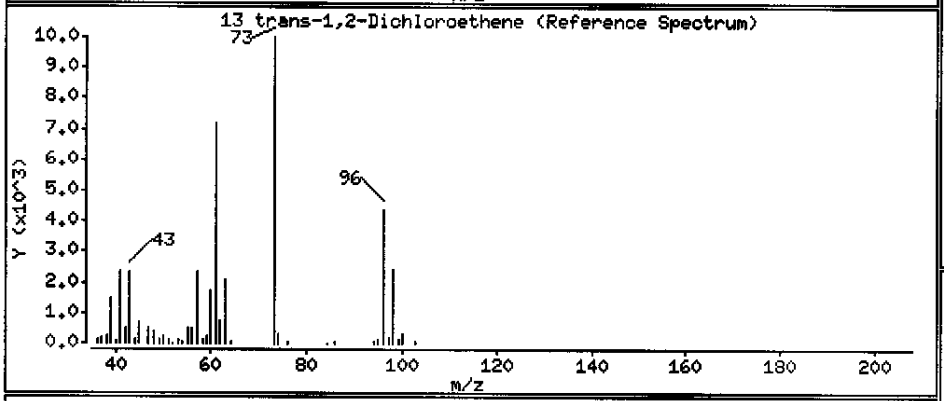
Purge Volume: 5.0 Operator: JC SRC: LIMS

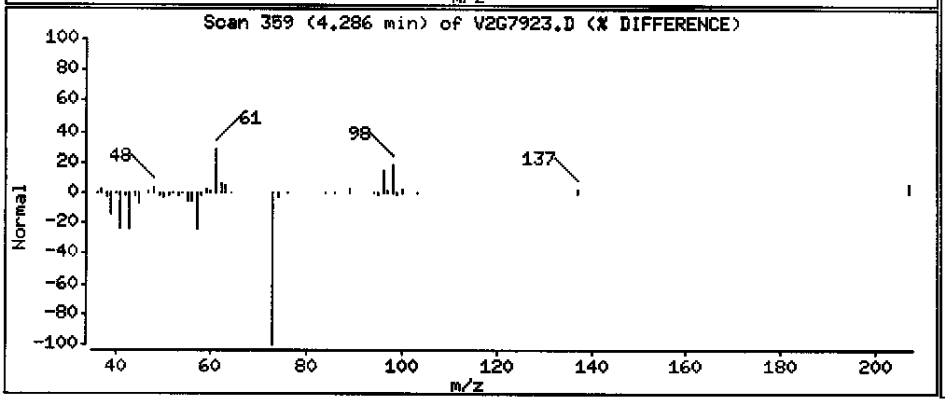
Column phase: DB-624 Column diameter: 0.25

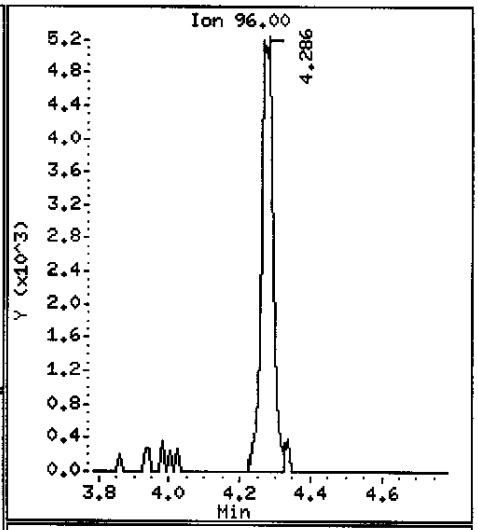
13 trans-1,2-Dichloroethene Concentration: 2 ug/L

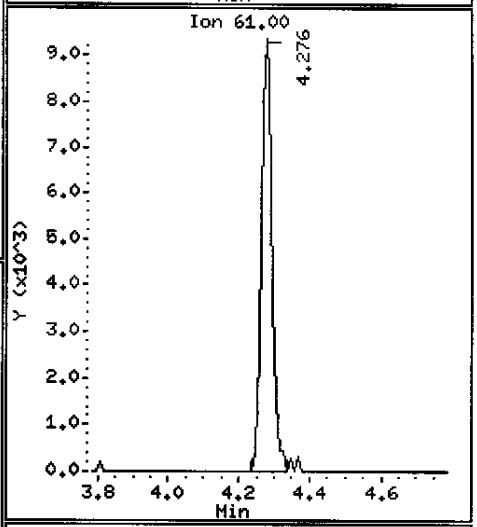


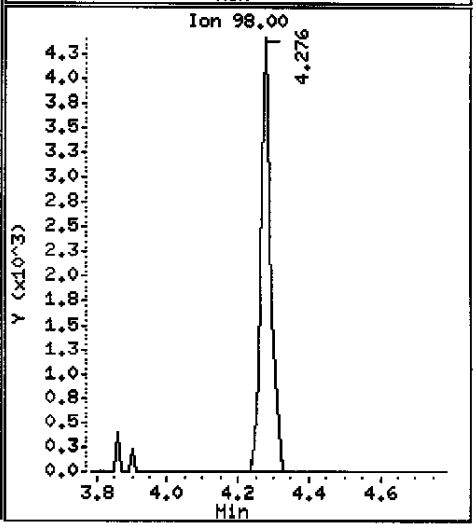












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7923.D

Date : 13-APR-2005 17:11

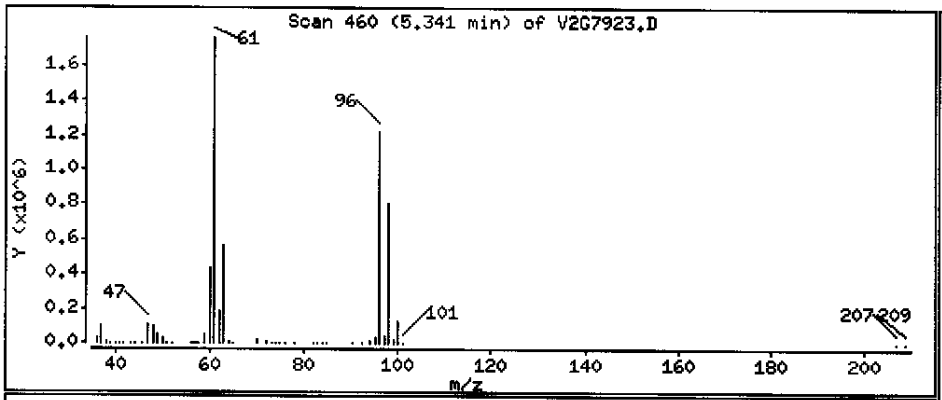
Client ID: BR807822 Instrument: V2.i

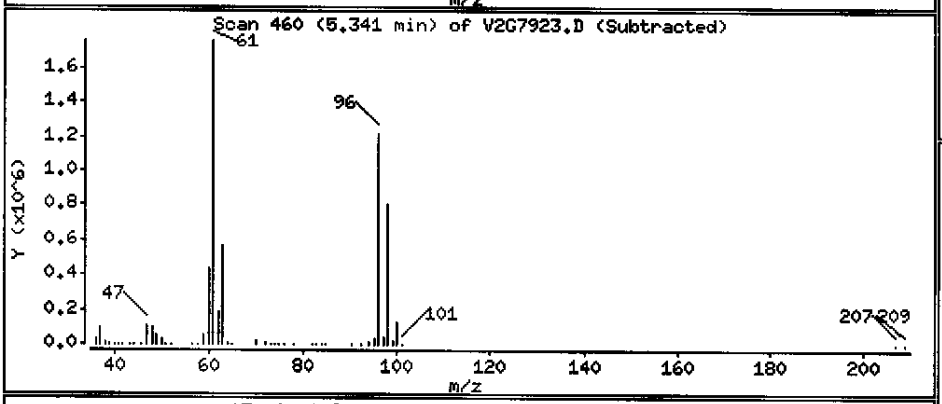
Sample Info: ,D0410-05A,,17654

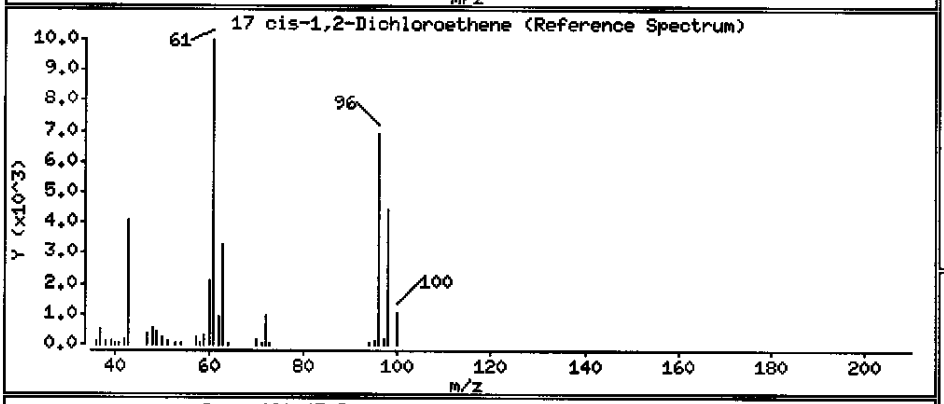
Purge Volume: 5.0 Operator: JC SRC: LIMS

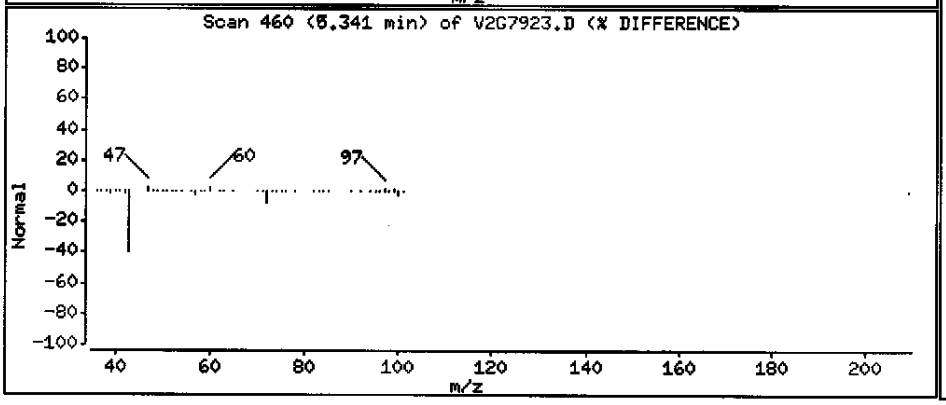
Column phase: DB-624 Column diameter: 0.25

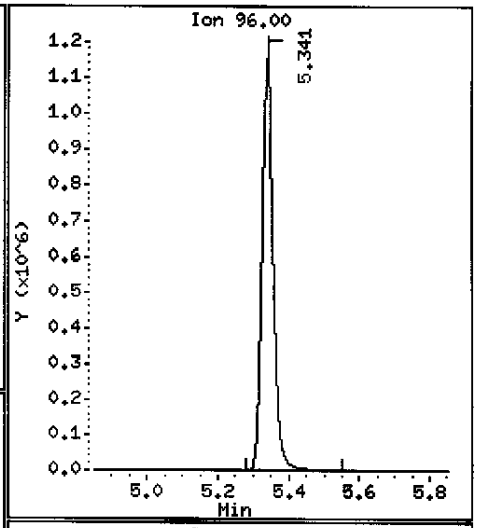
17 cis-1,2-Dichloroethene Concentration: 440 ug/L

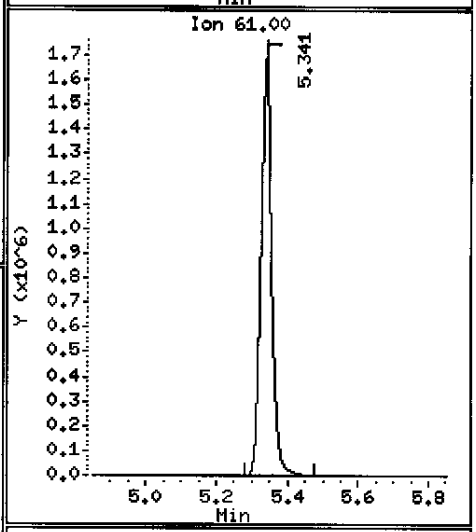


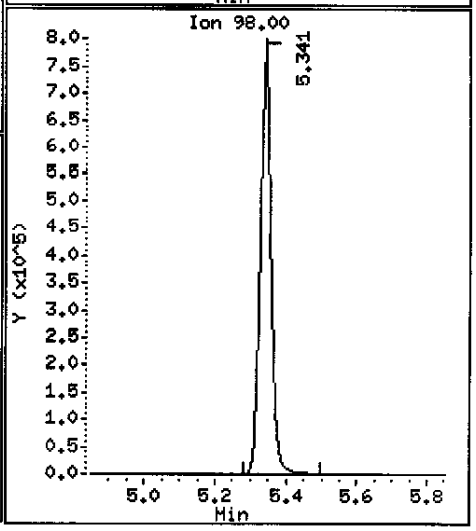












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7923.D

Date : 13-APR-2005 17:11

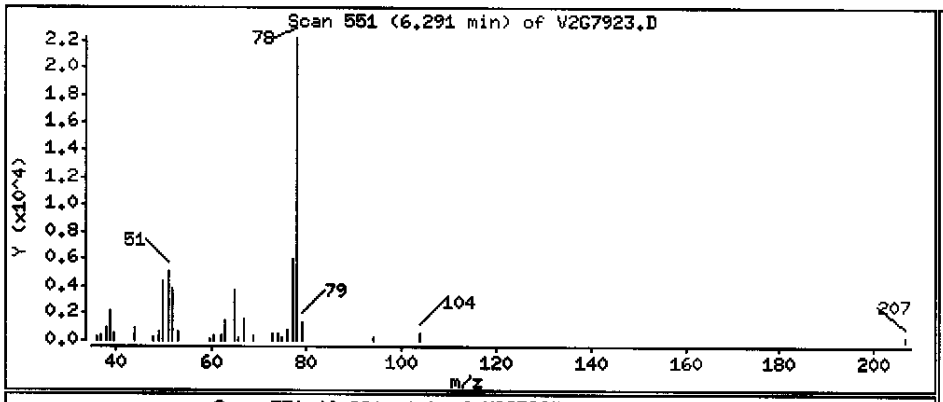
Client ID: BR807822 Instrument: V2.i

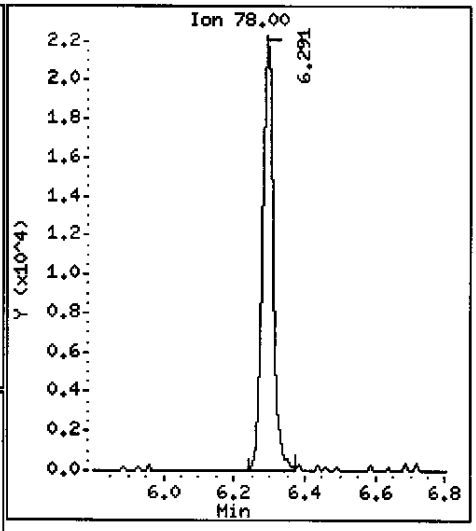
Sample Info: ,D0410-05A,,17654

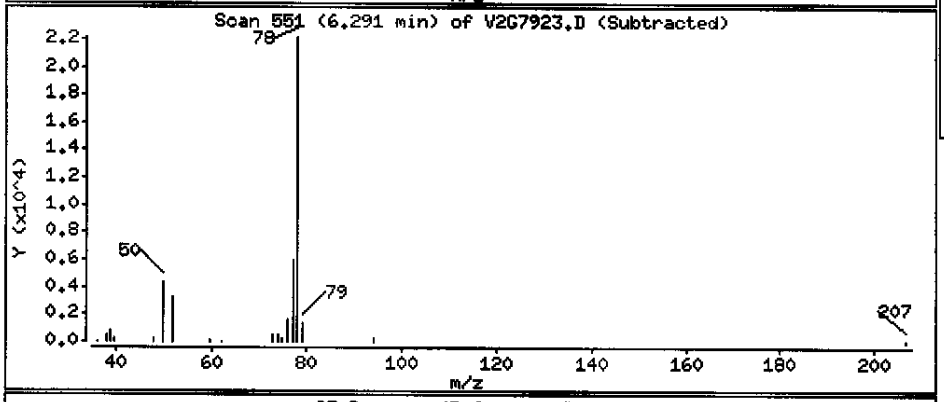
Purge Volume: 5.0 Operator: JC SRC: LIMS

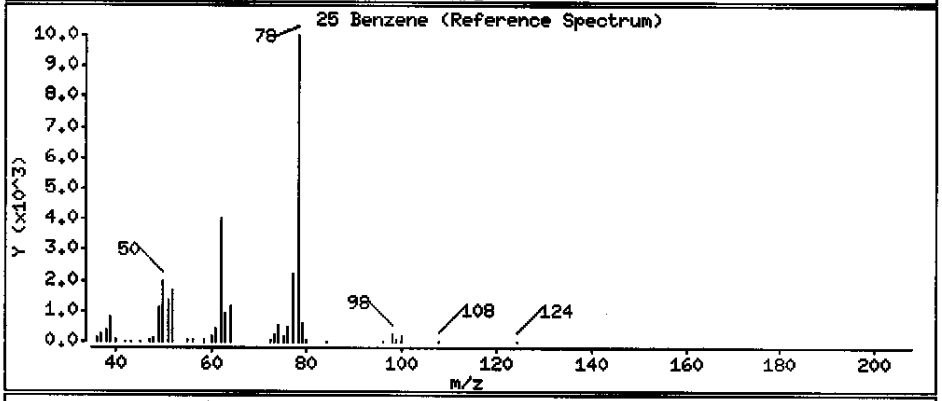
Column phase: DB-624 Column diameter: 0.25

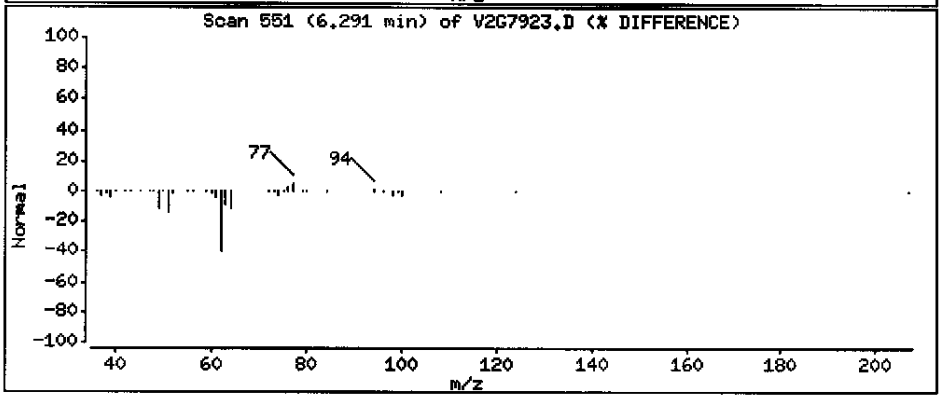
25 Benzene Concentration: 3 ug/L











Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7923.D

Date : 13-APR-2005 17:11

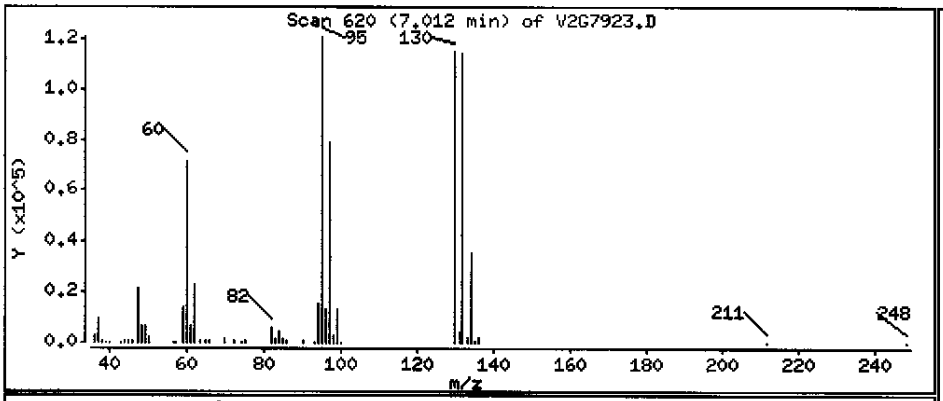
Client ID: BR807822 Instrument: V2.i

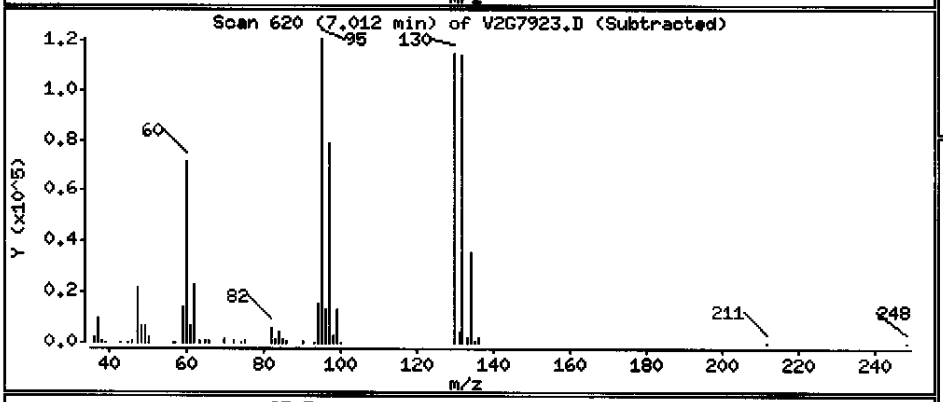
Sample Info: ,D0410-05A,,17654

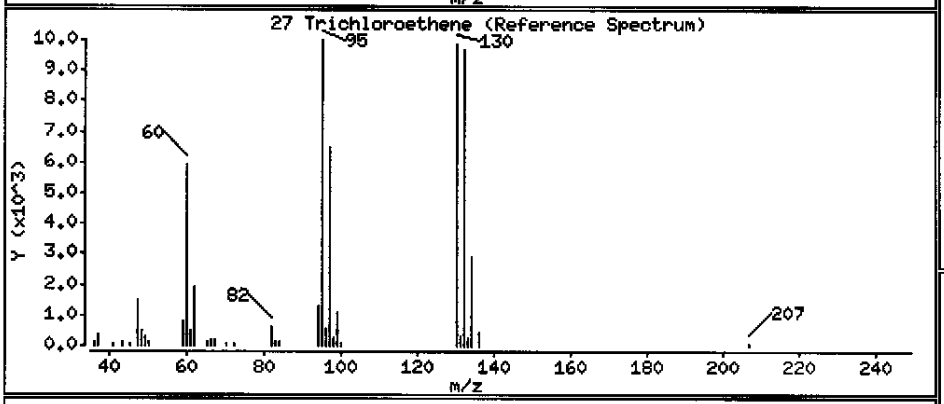
Purge Volume: 5.0 Operator: JC SRC: LIMS

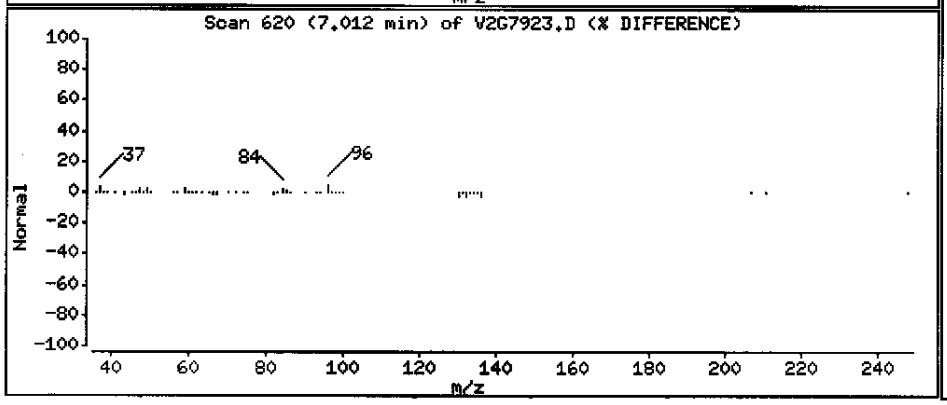
Column phase: DB-624 Column diameter: 0.25

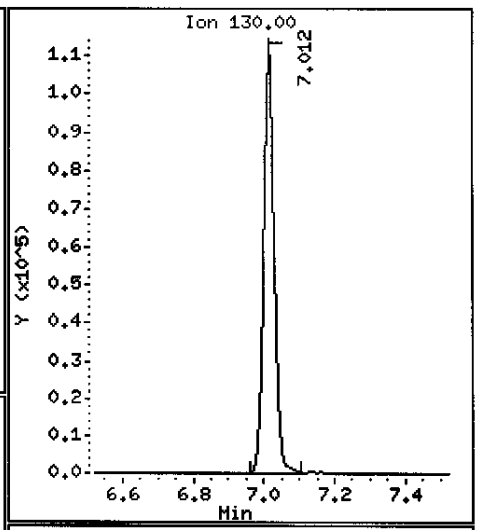
27 Trichloroethene Concentration: 47 ug/L

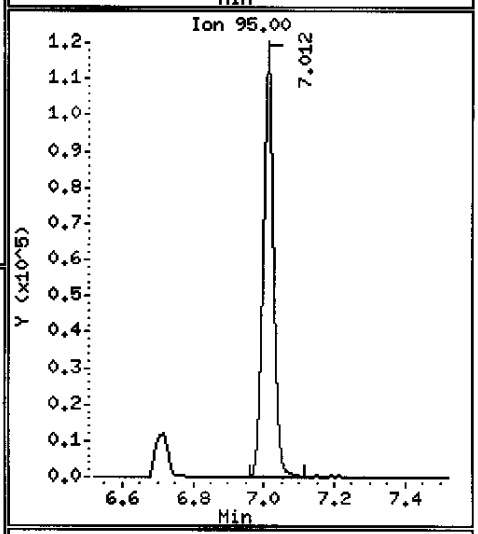


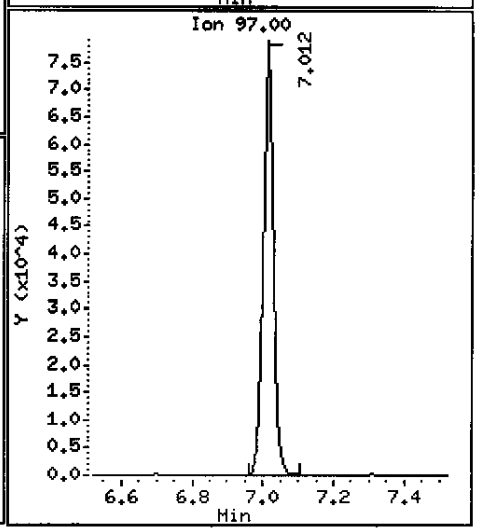












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7923.D

Date : 13-APR-2005 17:11

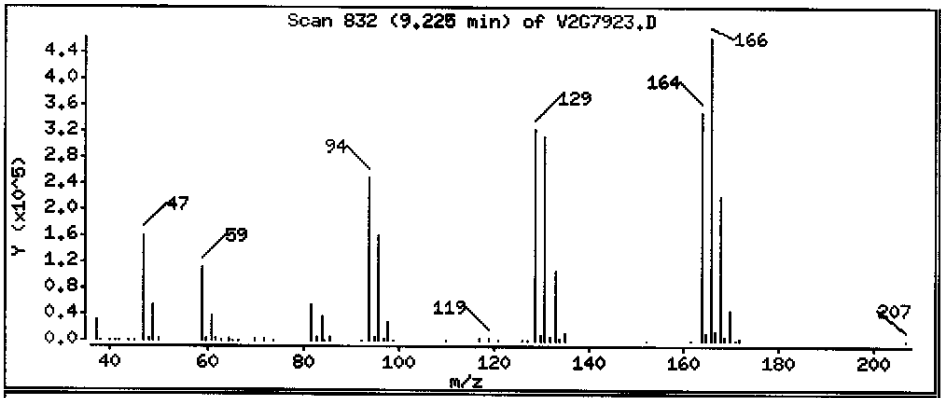
Client ID: BR807822 Instrument: V2.i

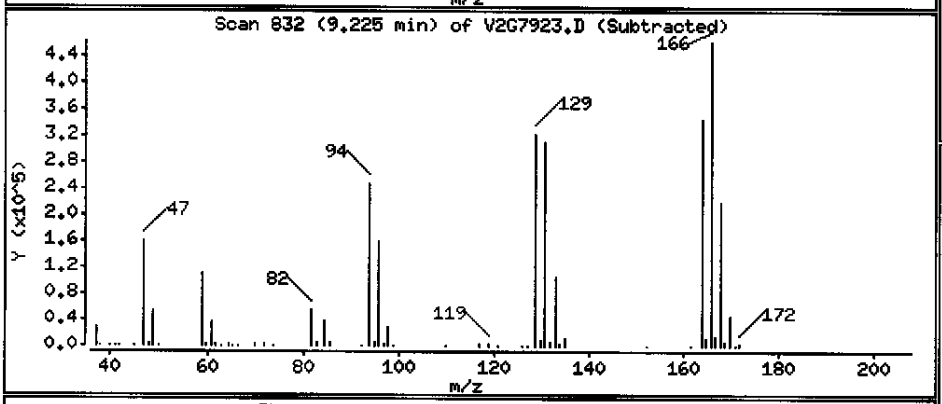
Sample Info: ,D0410-05A,,17654

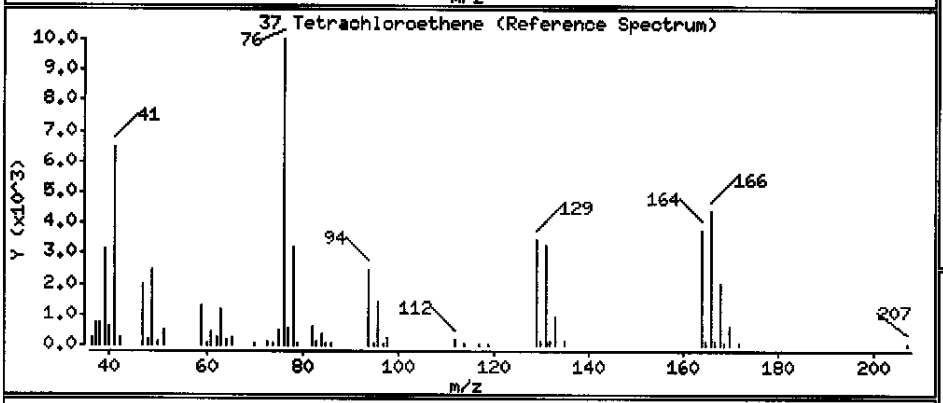
Purge Volume: 5.0 Operator: JC SRC: LIMS

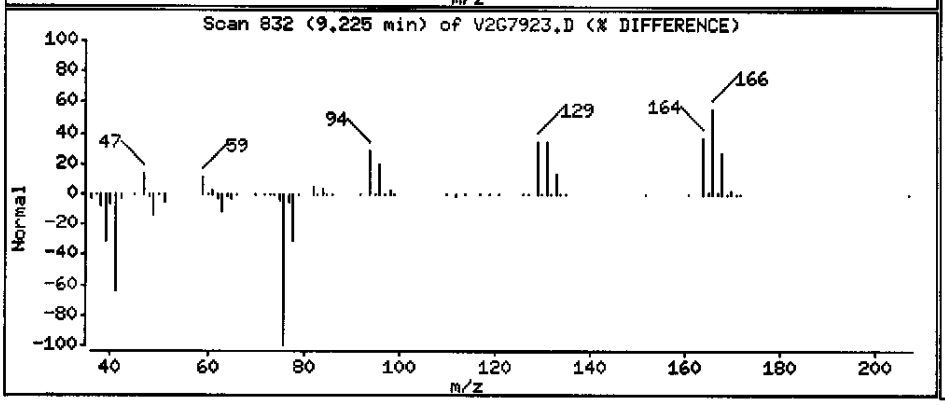
Column phase: DB-624 Column diameter: 0.25

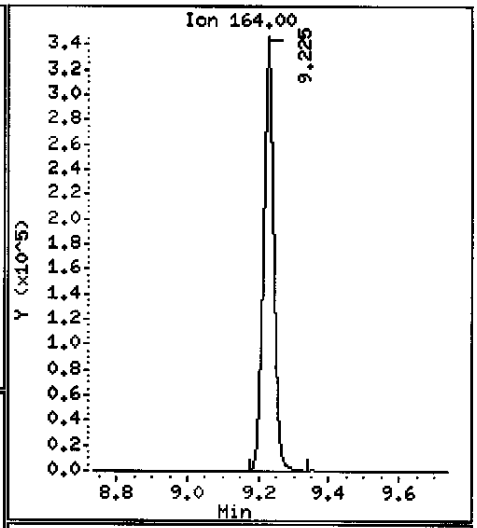
37 Tetrachloroethene Concentration: 190 ug/L

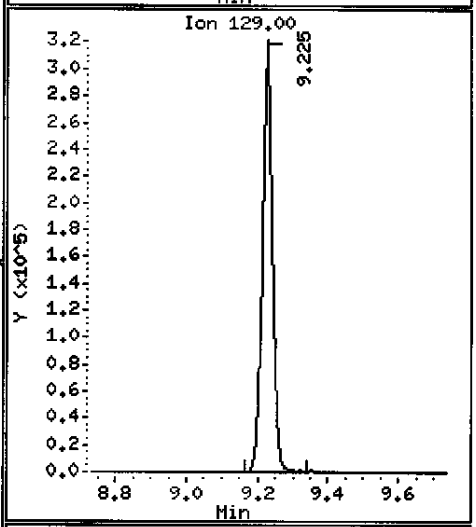


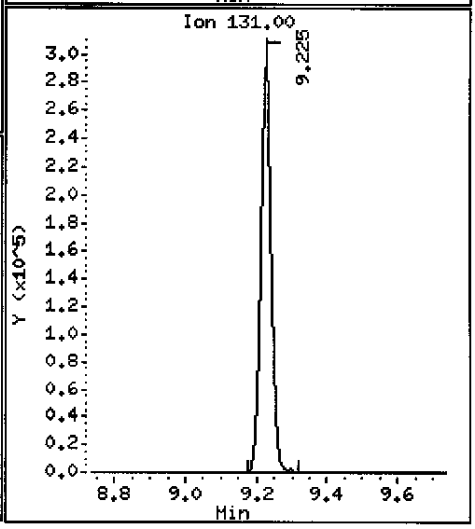












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR807822DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-05ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7930

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	40	U
74-87-3	Chloromethane	40	U
75-01-4	Vinyl Chloride	17	DJ
74-83-9	Bromomethane	40	U
75-00-3	Chloroethane	8	DJ
75-69-4	Trichlorofluoromethane	40	U
75-35-4	1,1-Dichloroethene	40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	40	U
67-64-1	Acetone	40	U
75-15-0	Carbon Disulfide	40	U
79-20-9	Methyl Acetate	40	U
75-09-2	Methylene Chloride	40	U
156-60-5	trans-1,2-Dichloroethene	40	U
1634-04-4	Methyl tert-Butyl Ether	40	U
75-34-3	1,1-Dichloroethane	40	U
156-59-2	cis-1,2-Dichloroethene	490	D
78-93-3	2-Butanone	40	U
67-66-3	Chloroform	40	U
71-55-6	1,1,1-Trichloroethane	40	U
110-82-7	Cyclohexane	40	U
56-23-5	Carbon Tetrachloride	40	U
71-43-2	Benzene	40	U
107-06-2	1,2-Dichloroethane	40	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR807822DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-05ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7930

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	43	D
108-87-2	Methylcyclohexane	40	U
78-87-5	1,2-Dichloropropane	40	U
75-27-4	Bromodichloromethane	40	U
10061-01-5	cis-1,3-Dichloropropene	40	U
108-10-1	4-Methyl-2-Pentanone	40	U
108-88-3	Toluene	40	U
10061-02-6	trans-1,3-Dichloropropene	40	U
79-00-5	1,1,2-Trichloroethane	40	U
127-18-4	Tetrachloroethene	170	D
591-78-6	2-Hexanone	40	U
124-48-1	Dibromochloromethane	40	U
106-93-4	1,2-Dibromoethane	40	U
108-90-7	Chlorobenzene	40	U
100-41-4	Ethylbenzene	40	U
1330-20-7	Xylene (Total)	40	U
100-42-5	Styrene	40	U
75-25-2	Bromoform	40	U
98-82-8	Isopropylbenzene	40	U
79-34-5	1,1,2,2-Tetrachloroethane	40	U
541-73-1	1,3-Dichlorobenzene	40	U
106-46-7	1,4-Dichlorobenzene	40	U
95-50-1	1,2-Dichlorobenzene	40	U
96-12-8	1,2-Dibromo-3-chloropropane	40	U
120-82-1	1,2,4-Trichlorobenzene	40	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BR807822DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-05ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7930

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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13.					
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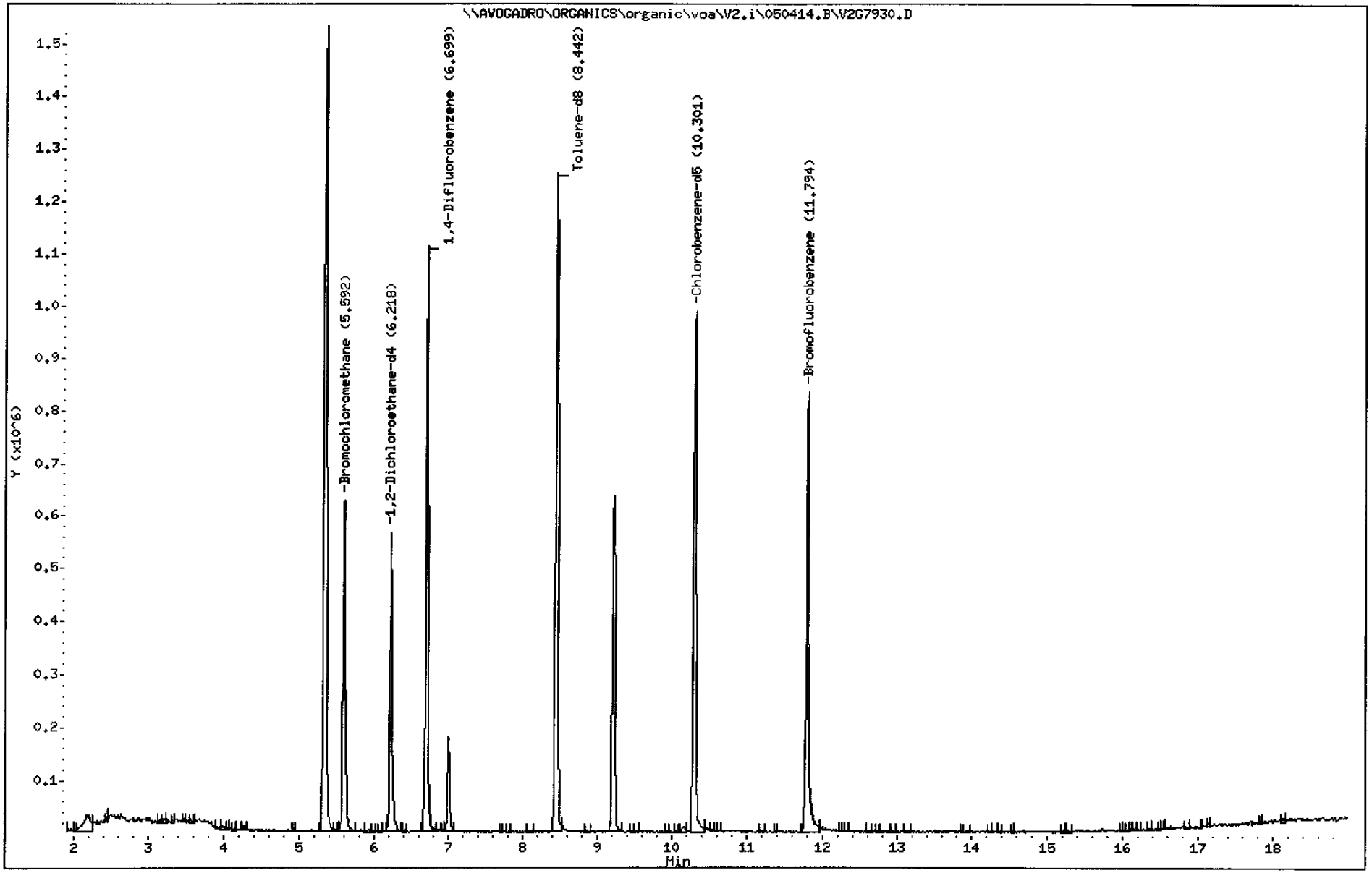
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7930.D
Date : 14-APR-2005 16:27
Client ID: BR807822DL
Instrument: V2.i
Sample Info: ,D0410-05ADL,,17666,4
Purge Volume: 5.0
Operator: JC SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



0140

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7930.D
Report Date: 03-May-2005 12:04

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7930.D
Lab Smp Id: D0410-05ADL Client Smp ID: BR807822DL
Inj Date : 14-APR-2005 16:27
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-05ADL,,17666,4
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D ✓
Als bottle: 10
Dil Factor: 4.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	4.000 ✓	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	3 Vinyl Chloride	62	2.156	2.210	(0.386)	32882	4.25973	17(a)
	5 Chloroethane	64	2.637	2.648	(0.472)	8547	2.01222	8(a)
	17 cis-1,2-Dichloroethene	96	5.331	5.342	(0.953)	763109	123.072	490
*	18 Bromochloromethane	128	5.592	5.593	(1.000)	210319	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.218	6.230	(1.112)	549492	51.2688	51
*	26 1,4-Difluorobenzene	114	6.699	6.710	(1.000)	943996	50.0000	
	27 Trichloroethene	130	7.001	7.013	(1.045)	64697	10.8340	43
$	33 Toluene-d8	98	8.442	8.454	(0.820)	926670	50.4538	50
	37 Tetrachloroethene	164	9.215	9.226	(0.895)	186110	41.9259	170
*	42 Chlorobenzene-d5	117	10.301	10.312	(1.000)	705865	50.0000	
$	50 Bromofluorobenzene	95	11.794	11.795	(1.145)	380971	48.4658	48

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SB 5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7930.D
Report Date: 03-May-2005 12:04

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7930.D
Lab Smp Id: D0410-05ADL Client Smp ID: BR807822DL
Inj Date : 14-APR-2005 16:27
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-05ADL,,17666,4
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D
Als bottle: 10
Dil Factor: 4.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7930.D

Date : 14-APR-2005 16:27

Client ID: BR807822DL

Instrument: V2.i

Sample Info: ,D0410-05ADL,,17666,4

Purge Volume: 5.0

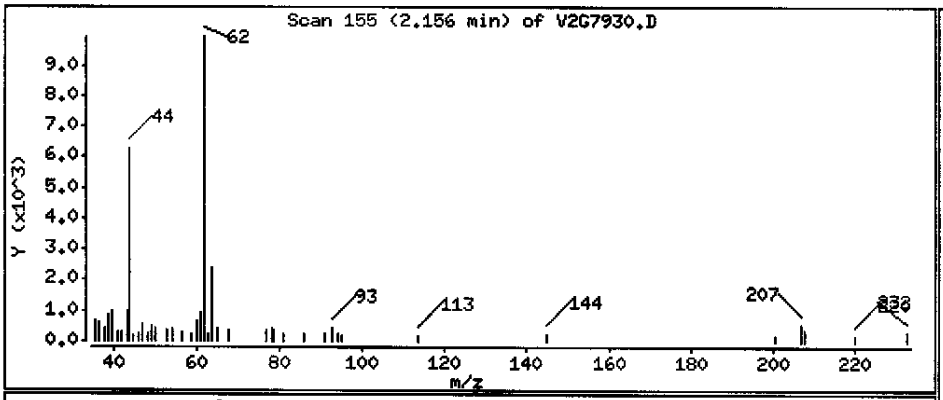
Operator: JC SRC: LIMS

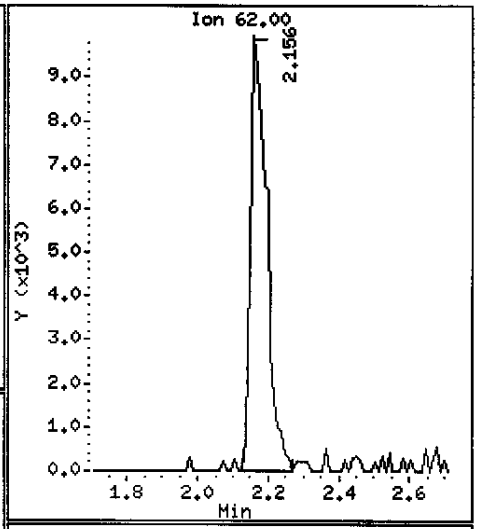
Column phase: DB-624

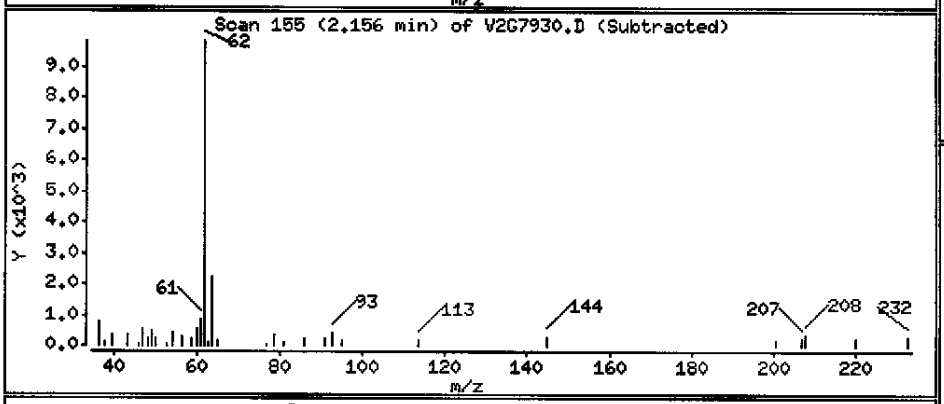
Column diameter: 0.25

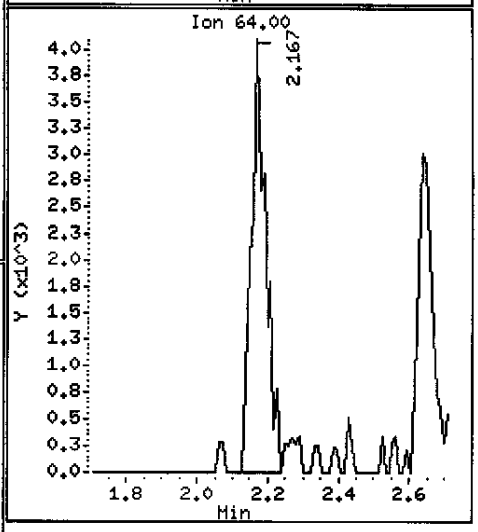
3 Vinyl Chloride

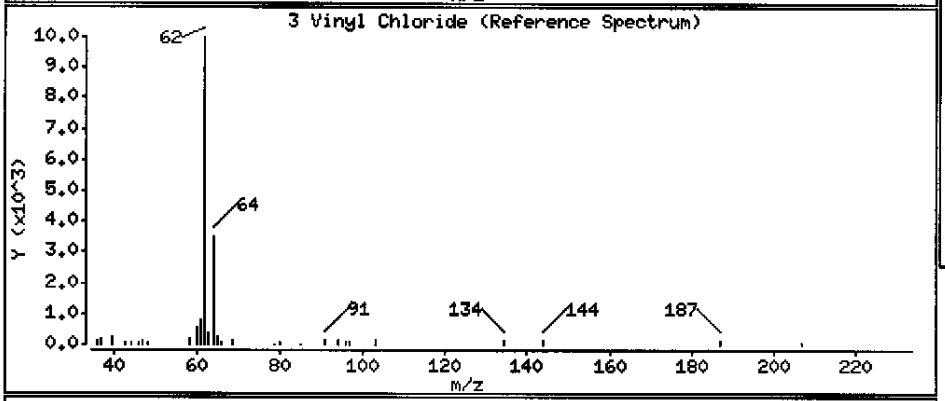
Concentration: 17 ug/L

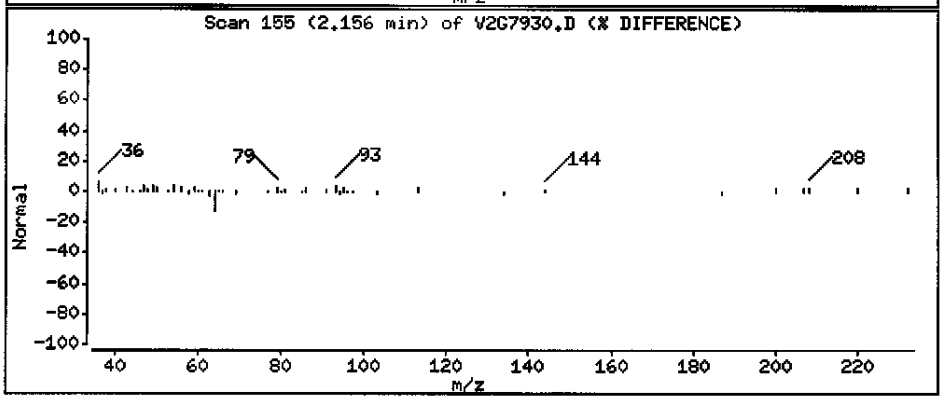












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7930.D

Date : 14-APR-2005 16:27

Client ID: BR807822DL

Instrument: V2.i

Sample Info: ,D0410-05ADL,,17666,4

Purge Volume: 5.0

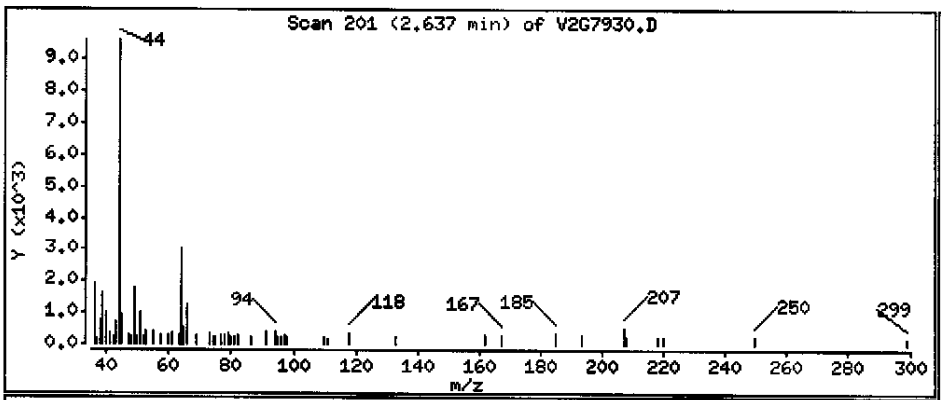
Operator: JC SRC: LIMS

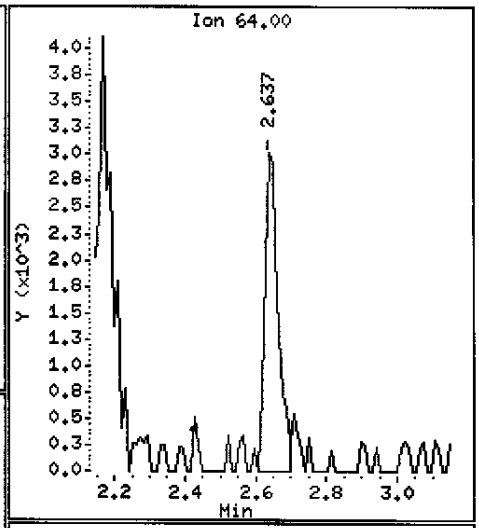
Column phase: DB-624

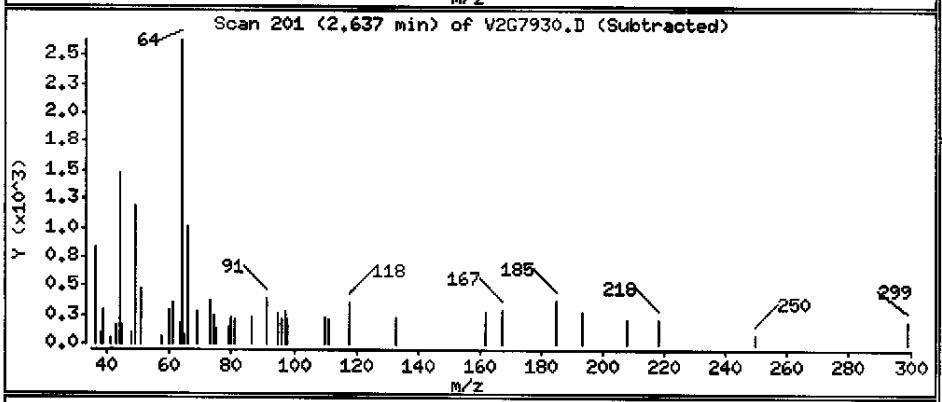
Column diameter: 0.25

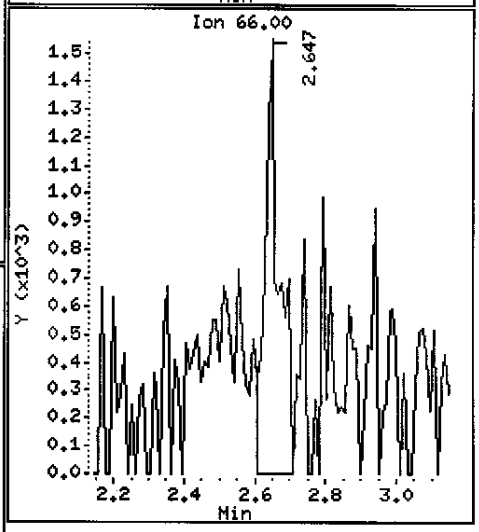
5 Chloroethane

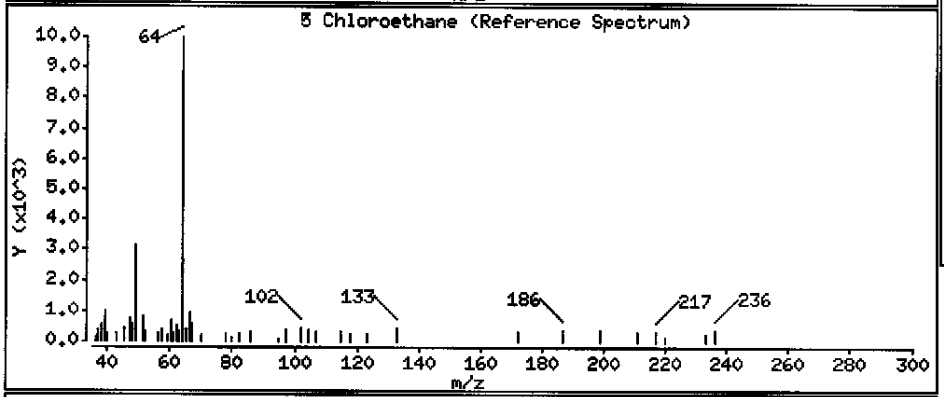
Concentration: 8 ug/L

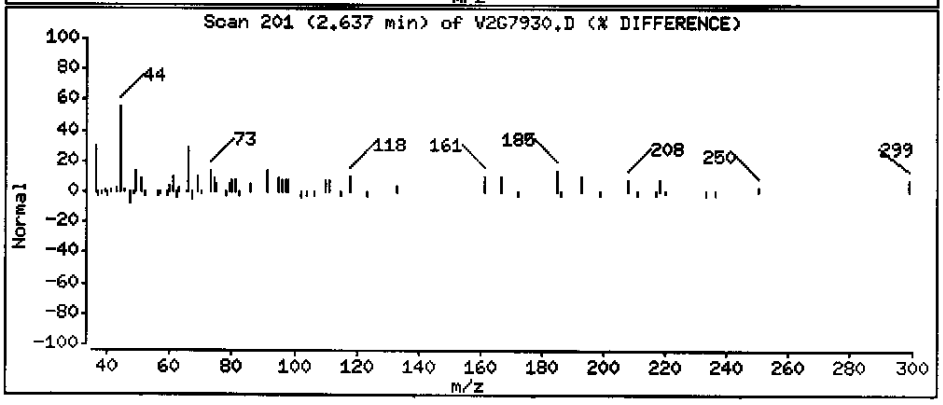












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7930.D

Date : 14-APR-2005 16:27

Client ID: BR807822DL

Instrument: V2.i

Sample Info: ,D0410-05ADL,,17666,4

Purge Volume: 5.0

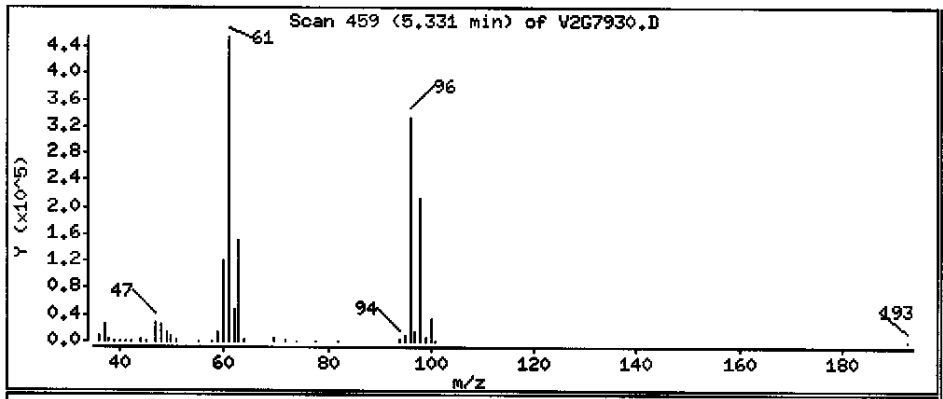
Operator: JC SRC: LIMS

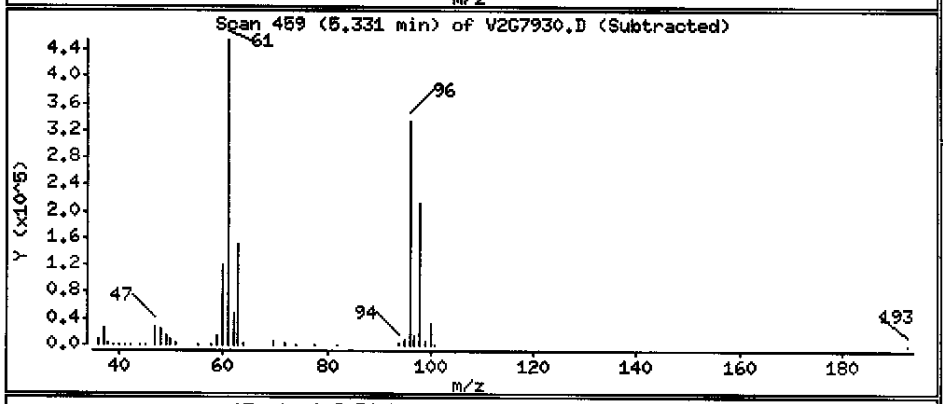
Column phase: DB-624

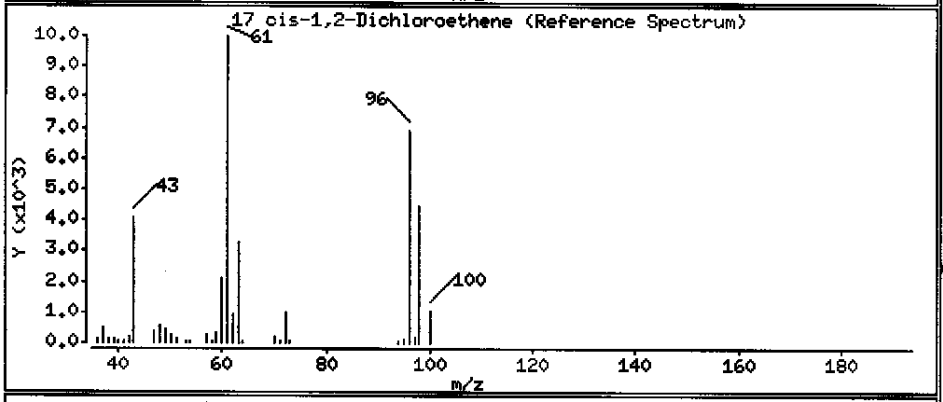
Column diameter: 0.25

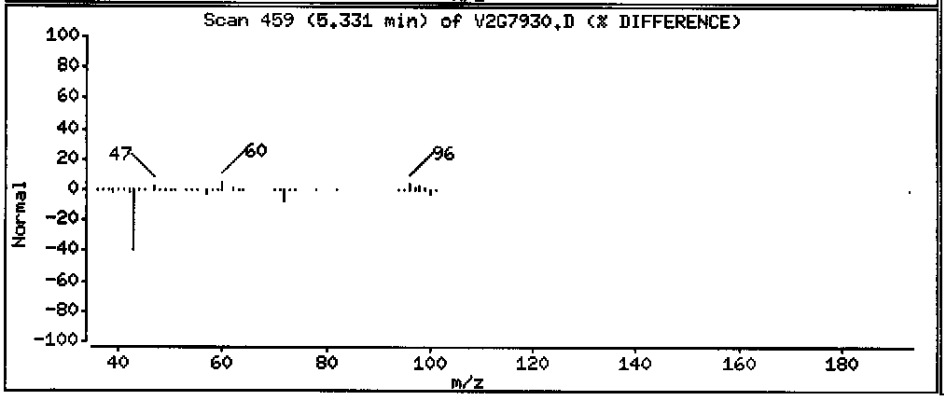
17 cis-1,2-Dichloroethene

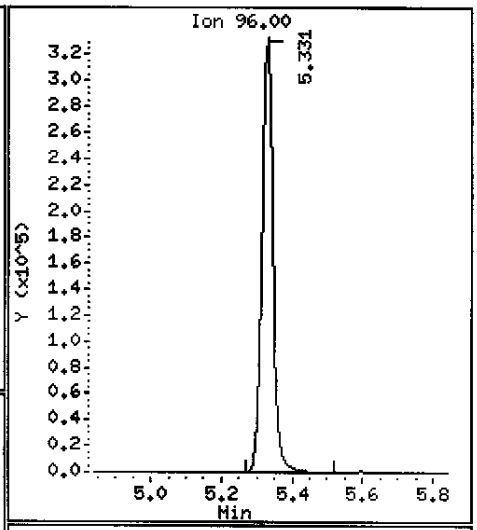
Concentration: 490 ug/L

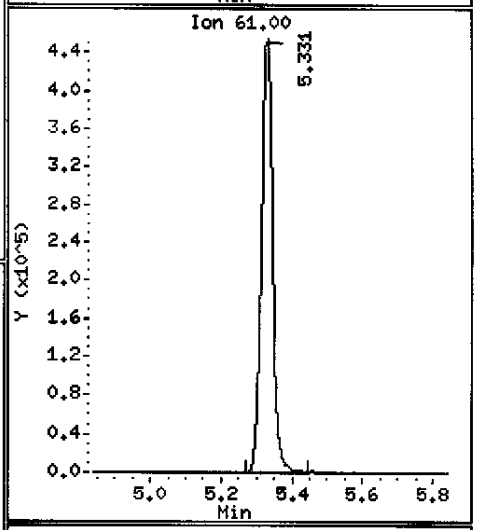


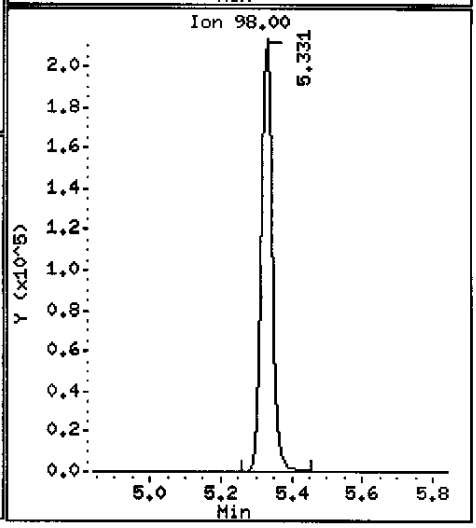












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7930.D

Date : 14-APR-2005 16:27

Client ID: BR807822DL

Instrument: V2.i

Sample Info: ,D0410-05ADL,,17666,4

Purge Volume: 5.0

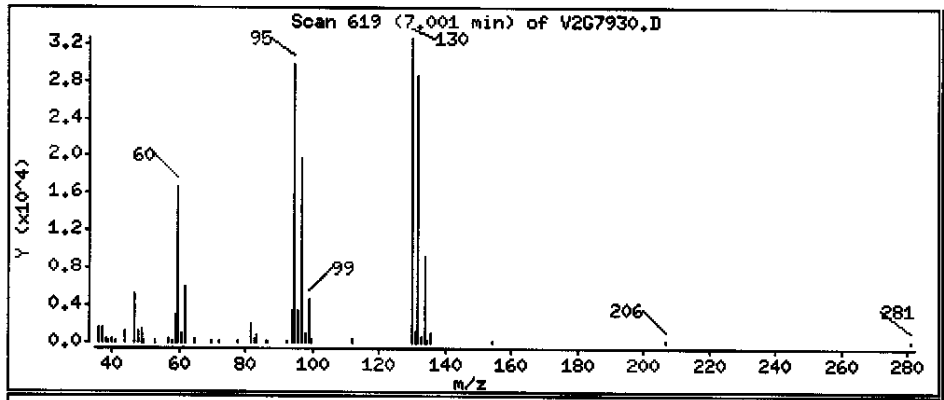
Operator: JC SRC: LIMS

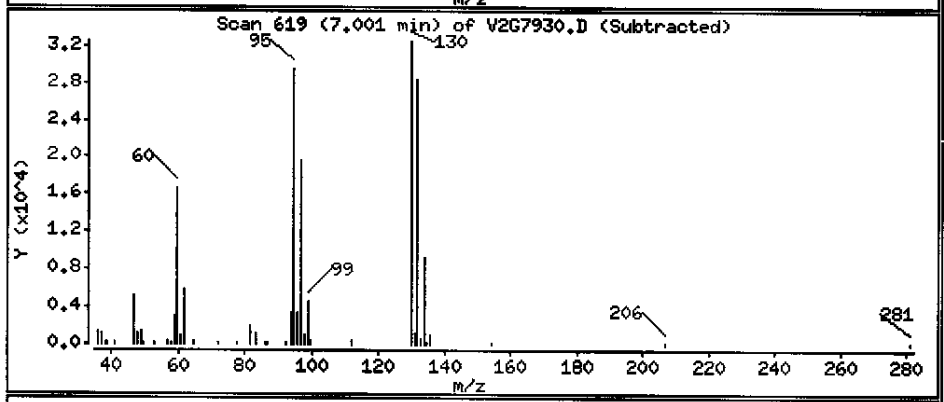
Column phase: DB-624

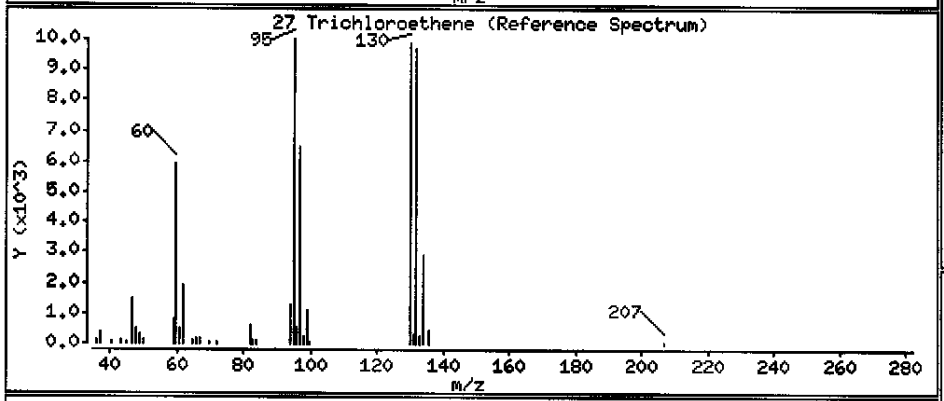
Column diameter: 0.25

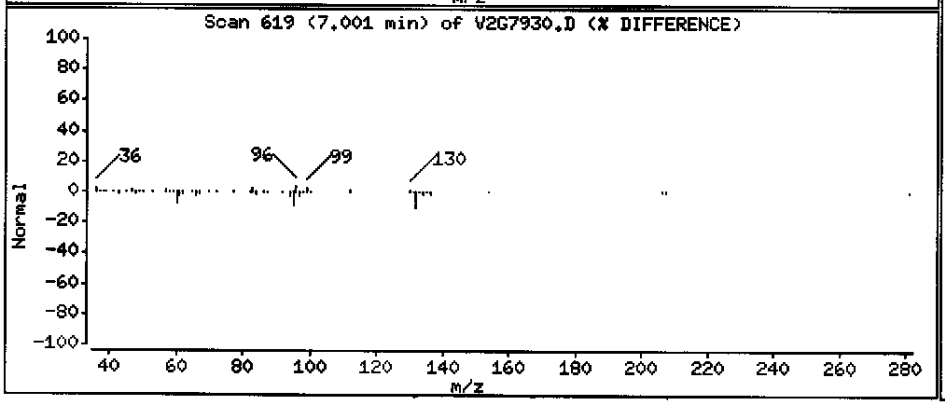
27 Trichloroethene

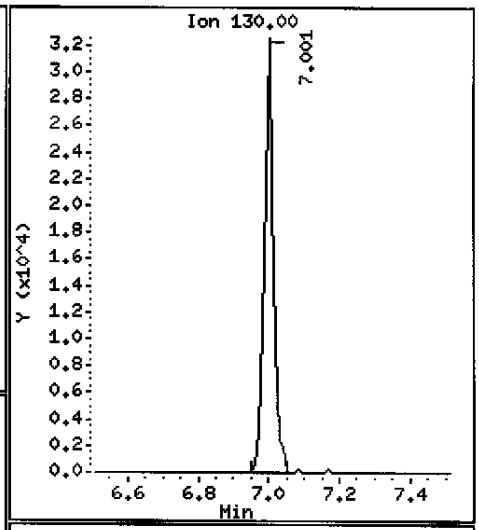
Concentration: 43 ug/L

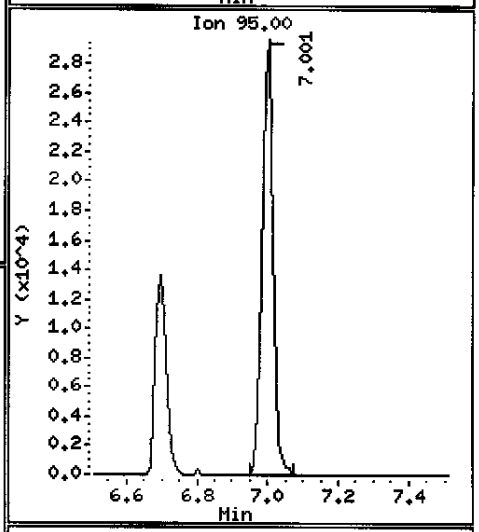


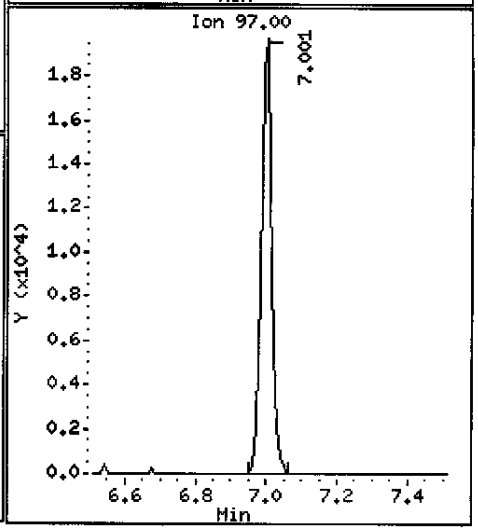












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7930.D

Date : 14-APR-2005 16:27

Client ID: BR807822DL

Instrument: V2.i

Sample Info: ,D0410-05ADL,,17666,4

Purge Volume: 5.0

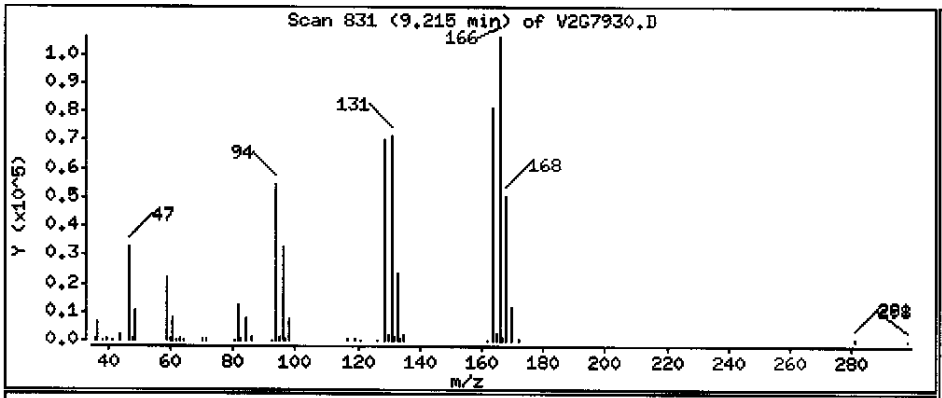
Operator: JC SRC: LIMS

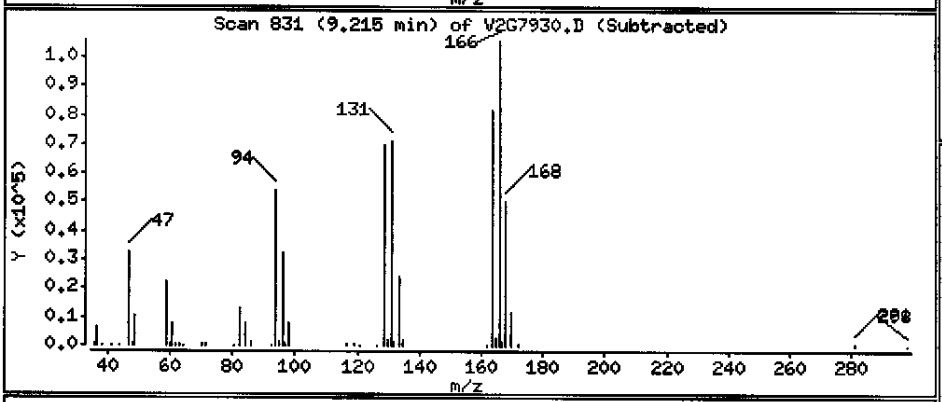
Column phase: DB-624

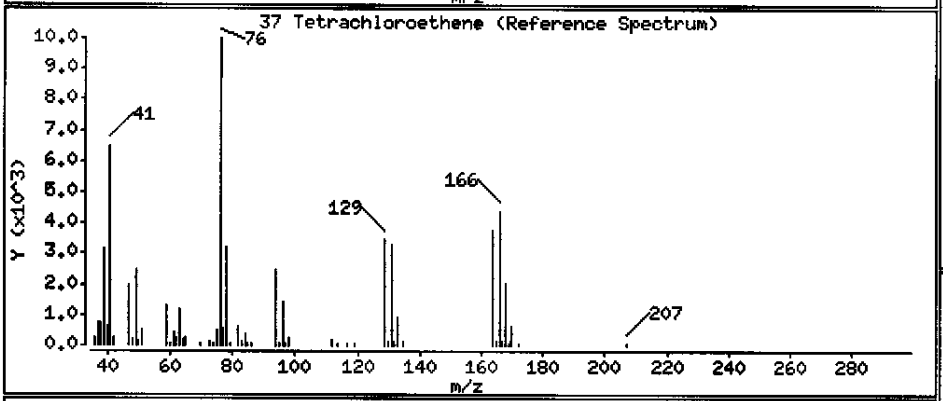
Column diameter: 0.25

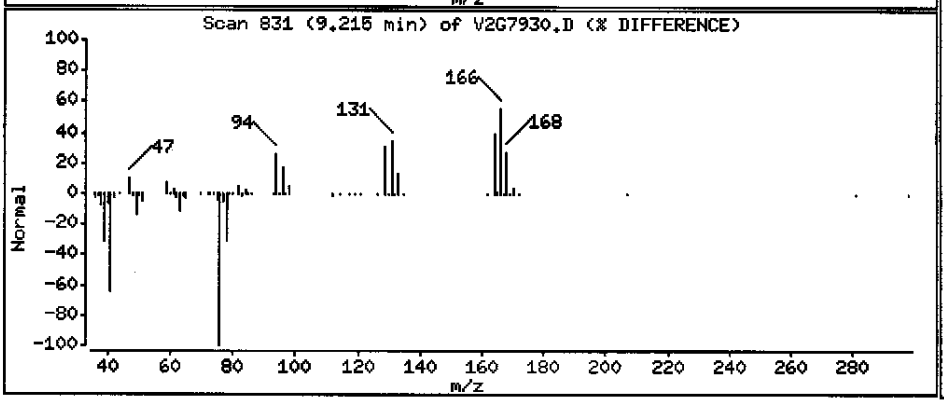
37 Tetrachloroethene

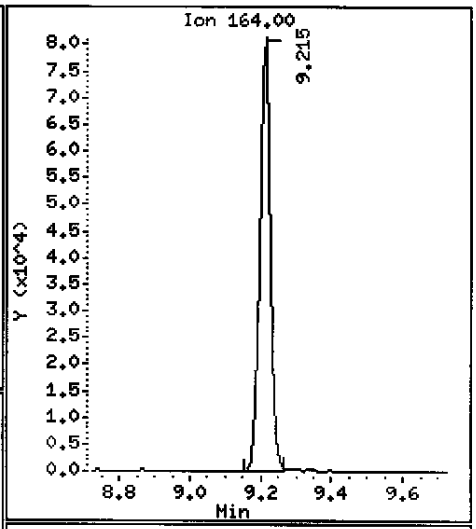
Concentration: 170 ug/L

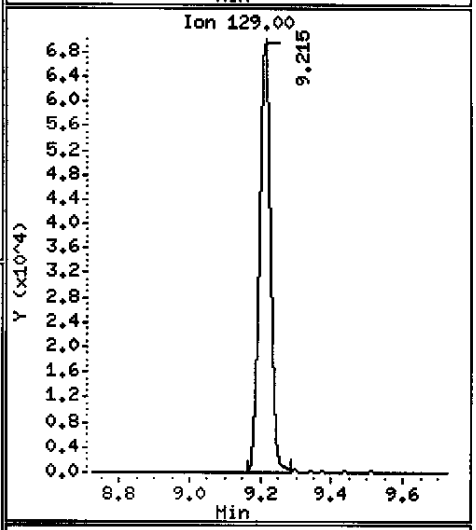


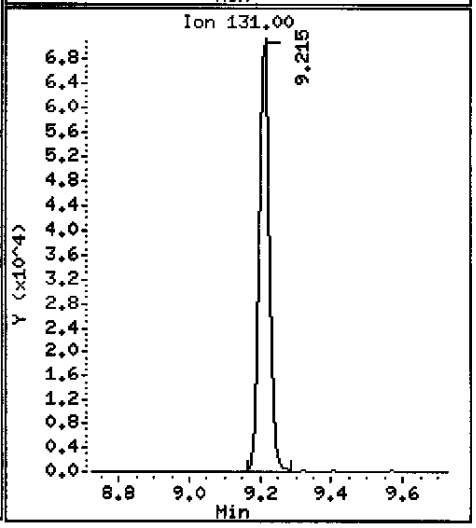












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR937952

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7925

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	3	J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	1	J
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	27	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	5	J
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR937952

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7925

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	18	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	96	
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BR937952

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7925

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

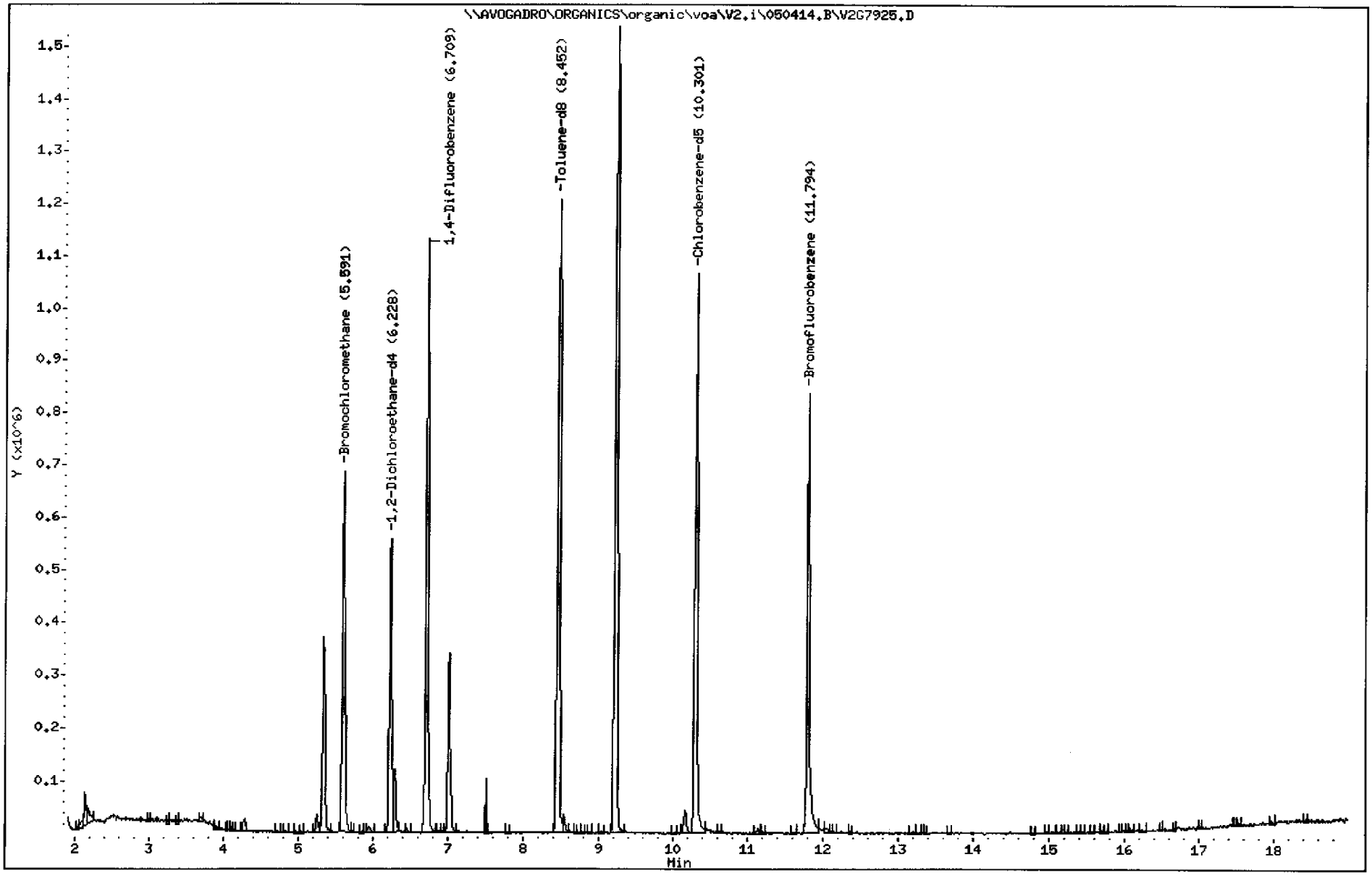
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7925.D
Date : 14-APR-2005 14:06
Client ID: BR937952
Instrument: V2.i
Sample Info: ,D0410-06A,,17666
Purge Volume: 5.0
Operator: JC SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



0151

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7925.D
Report Date: 03-May-2005 12:04

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7925.D
Lab Smp Id: D0410-06A Client Smp ID: BR937952
Inj Date : 14-APR-2005 14:06
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-06A,,17666
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D ✓
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	3 Vinyl Chloride	62	2.177	2.210	(0.389)	29019	3.46523	3(a)
	13 trans-1,2-Dichloroethene	96	4.276	4.277	(0.765)	11228	1.46063	1(a)
	17 cis-1,2-Dichloroethene	96	5.330	5.342	(0.953)	178594	26.5501	27
*	18 Bromochloromethane	128	5.591	5.593	(1.000)	228167	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.228	6.230	(1.114)	560831	48.2335	48
	25 Benzene	78	6.291	6.292	(0.938)	113244	5.47723	5(a)
*	26 1,4-Difluorobenzene	114	6.709	6.710	(1.000)	1008396	50.0000	
	27 Trichloroethene	130	7.011	7.013	(1.045)	113921	17.8586	18
$	33 Toluene-d8	98	8.452	8.454	(0.821)	912256	48.4270	48
	37 Tetrachloroethene	164	9.215	9.226	(0.895)	437269	96.0426	96
*	42 Chlorobenzene-d5	117	10.301	10.312	(1.000)	723968	50.0000	
$	50 Bromofluorobenzene	95	11.794	11.795	(1.145)	365446	45.3283	45

(SB) 5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7925.D
Report Date: 03-May-2005 12:04

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7925.D
Report Date: 03-May-2005 12:04

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7925.D
Lab Smp Id: D0410-06A Client Smp ID: BR937952
Inj Date : 14-APR-2005 14:06
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-06A,,17666
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7925.D

Date : 14-APR-2005 14:06

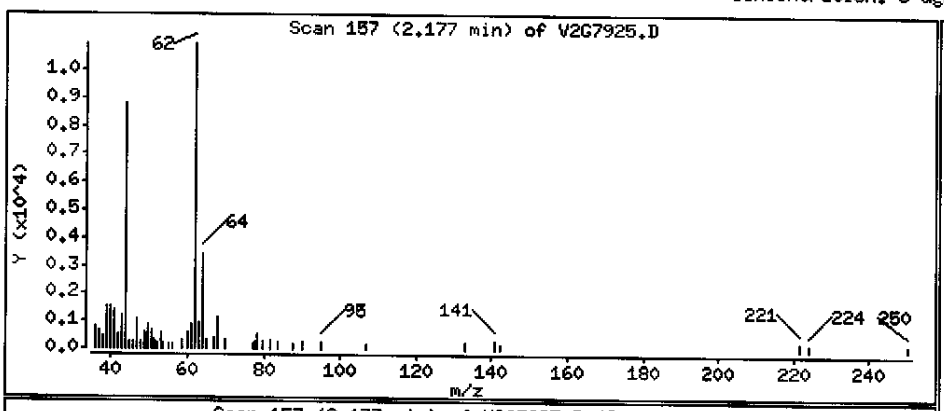
Client ID: BR937952 Instrument: V2.i

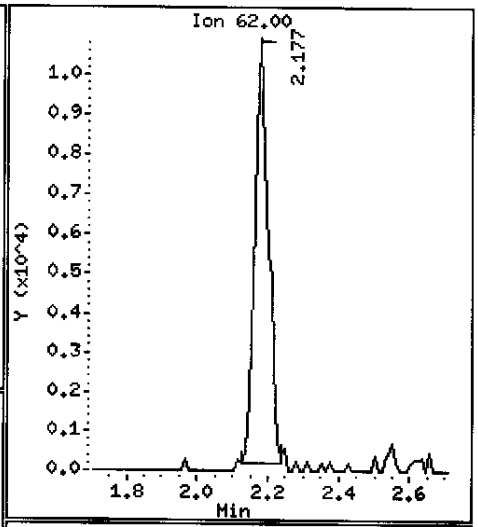
Sample Info: ,D0410-06A,,17666

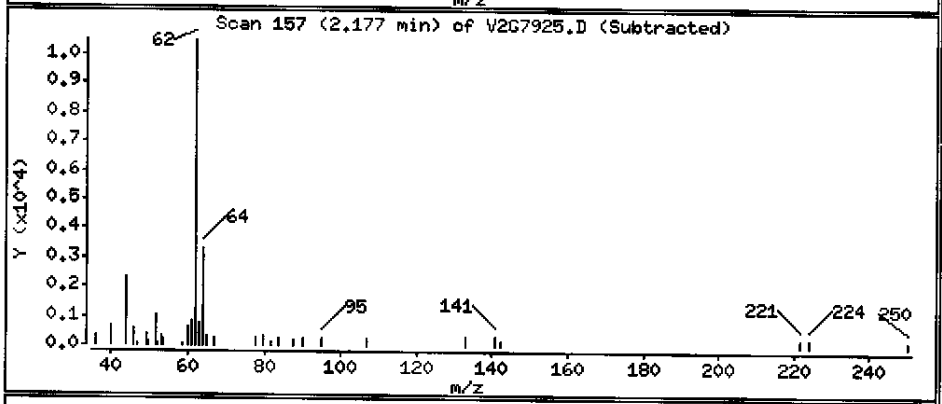
Purge Volume: 5.0 Operator: JC SRC: LIMS

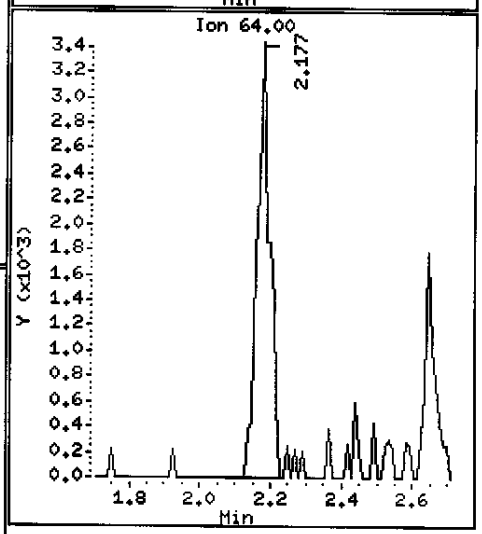
Column phase: DB-624 Column diameter: 0.25

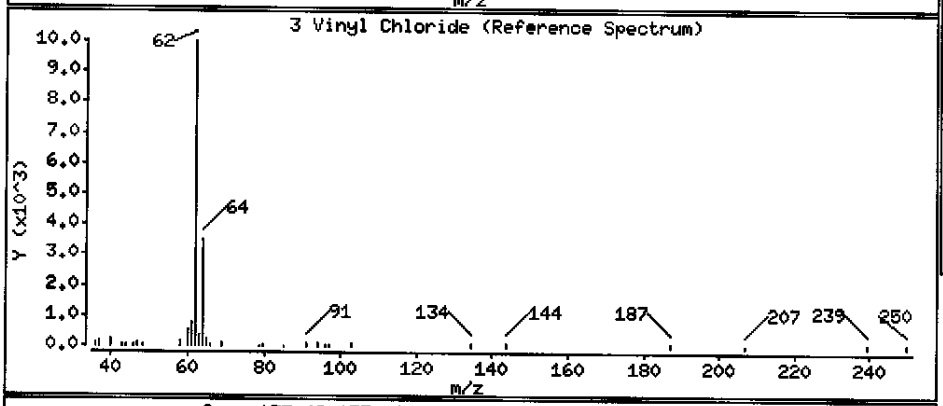
3 Vinyl Chloride Concentration: 3 ug/L

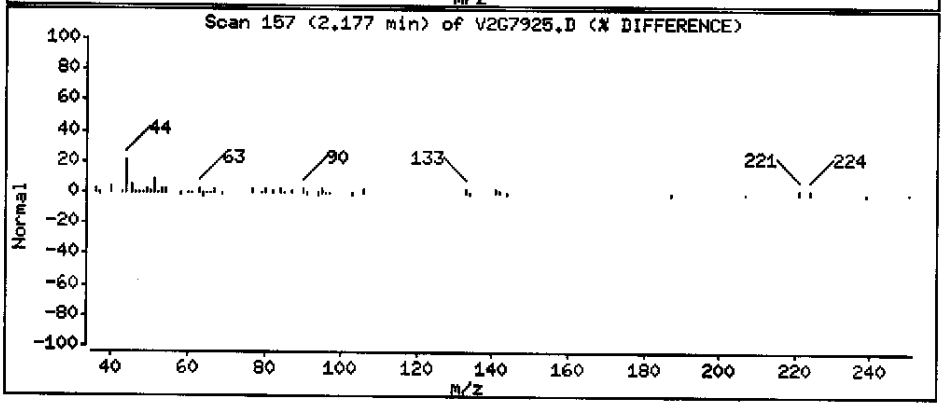












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7925.D

Date : 14-APR-2005 14:06

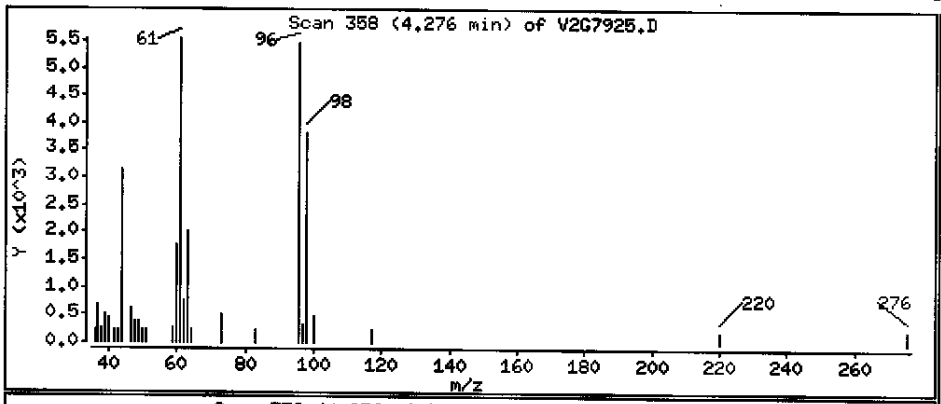
Client ID: BR937952 Instrument: V2.i

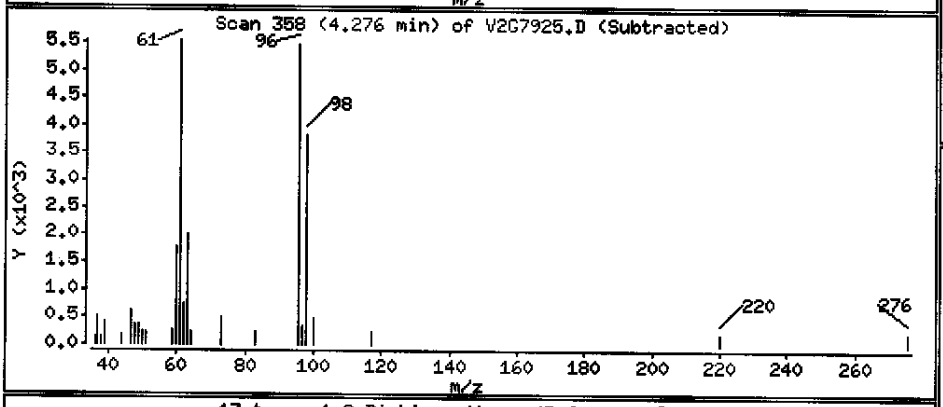
Sample Info: ,D0410-06A,,17666

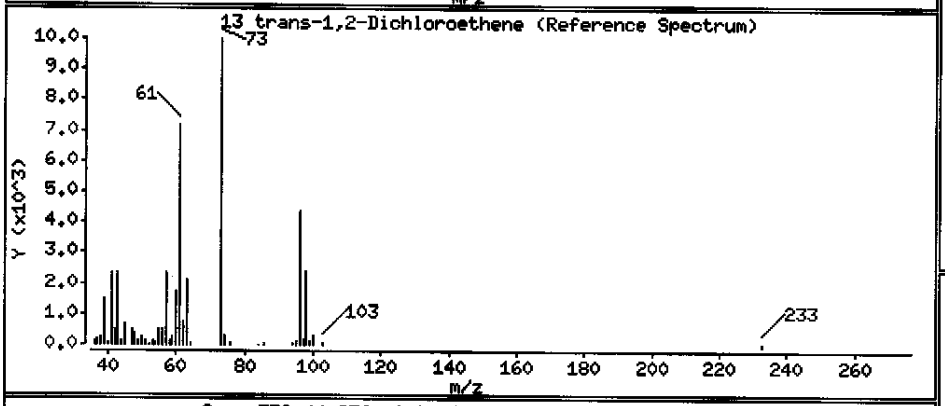
Purge Volume: 5.0 Operator: JC SRC: LIMS

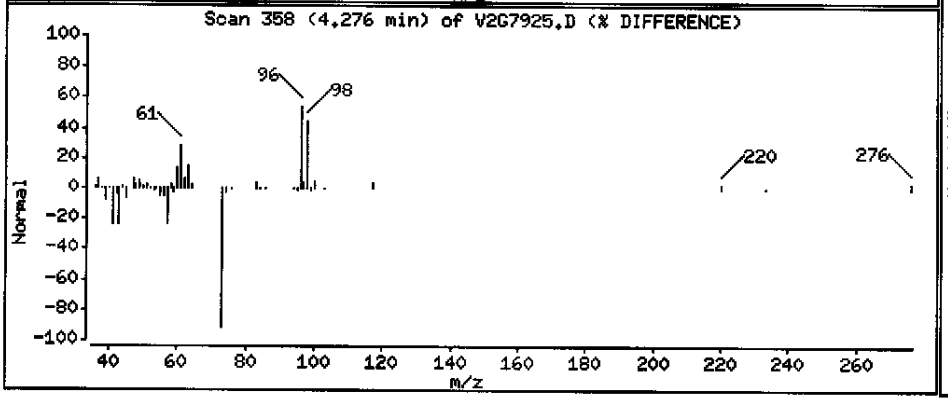
Column phase: DB-624 Column diameter: 0.25

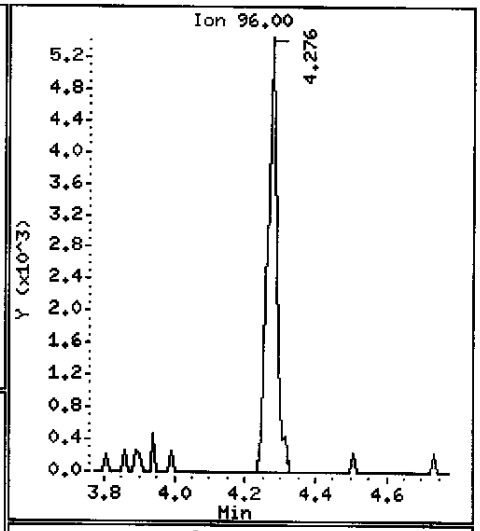
13 trans-1,2-Dichloroethene Concentration: 1 ug/L

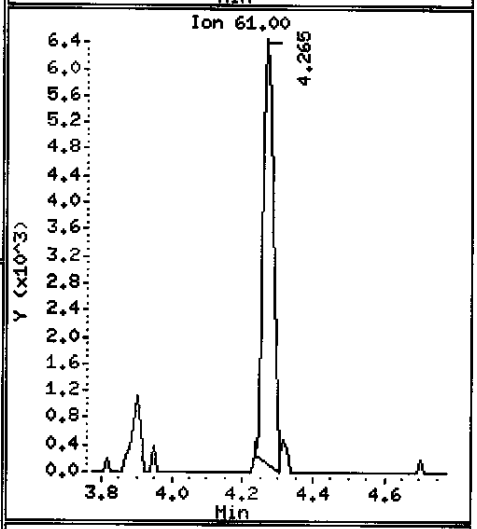


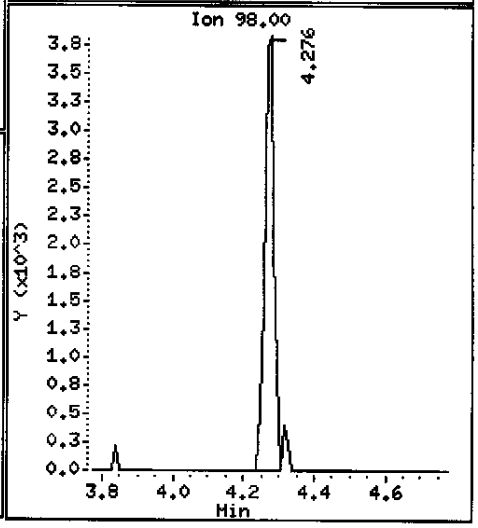












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7925.D

Date : 14-APR-2005 14:06

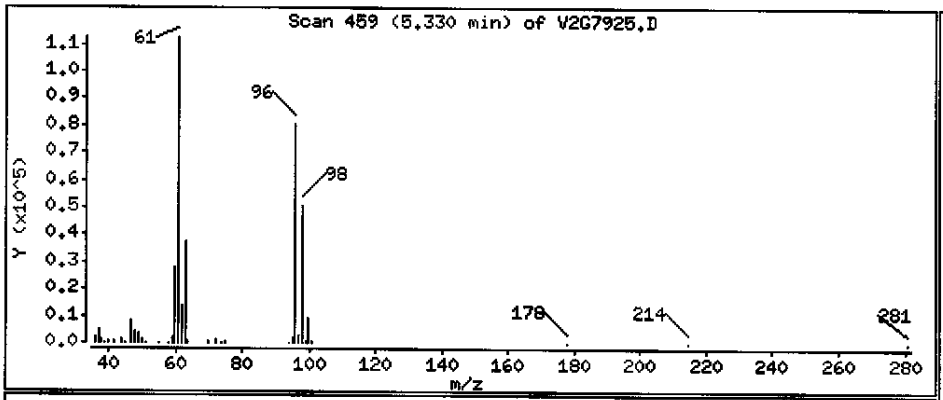
Client ID: BR937952 Instrument: V2.i

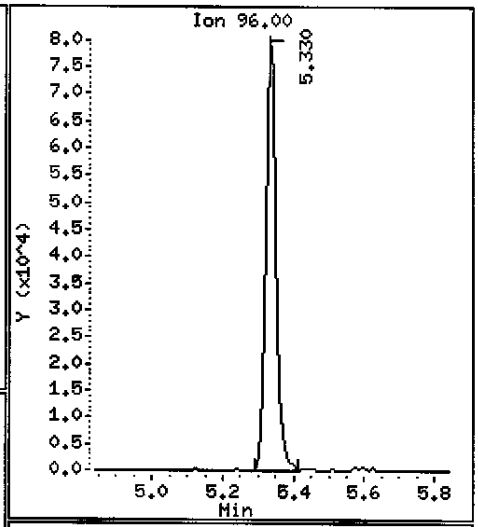
Sample Info: ,D0410-06A,,17666

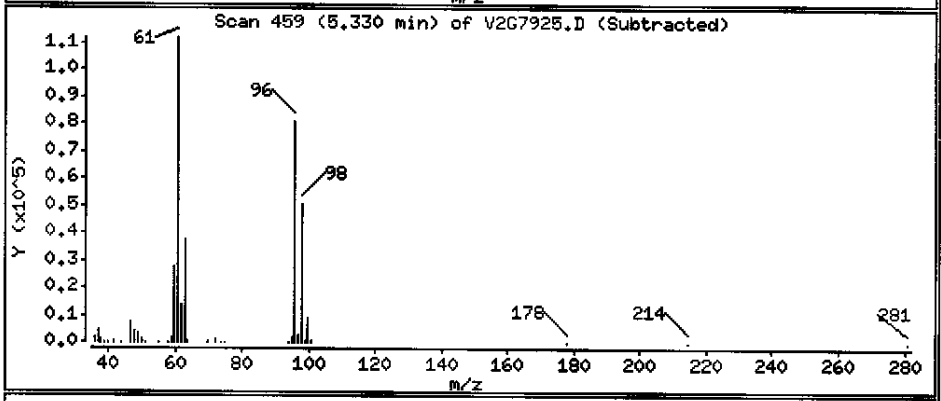
Purge Volume: 5.0 Operator: JC SRC: LIMS

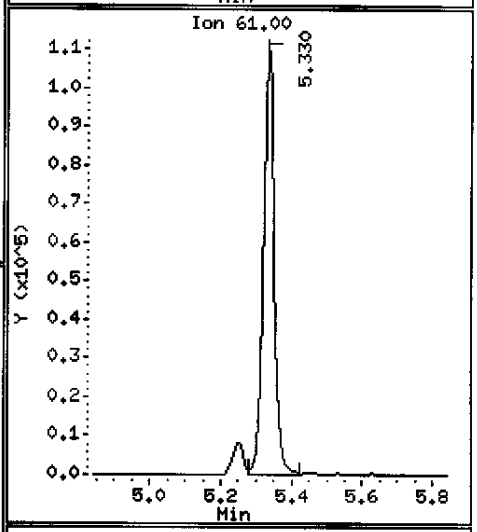
Column phase: DB-624 Column diameter: 0.25

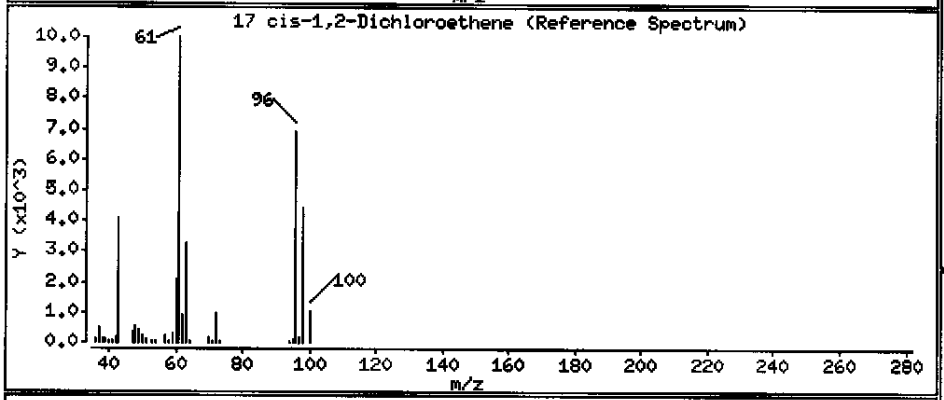
17 cis-1,2-Dichloroethene Concentration: 27 ug/L

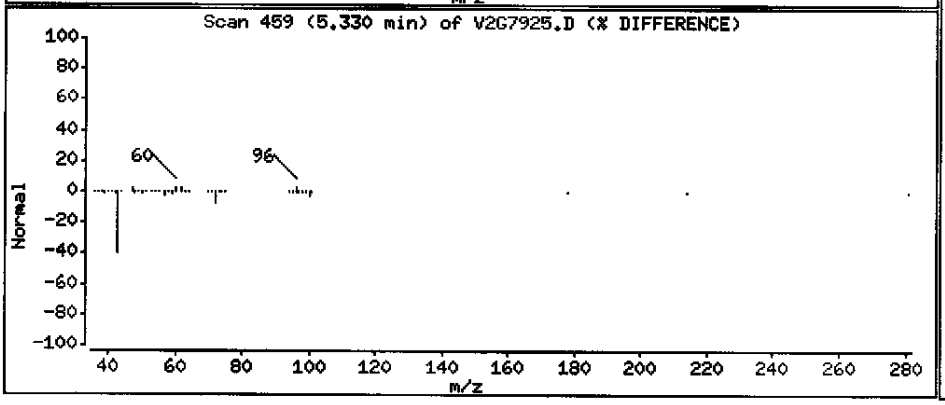


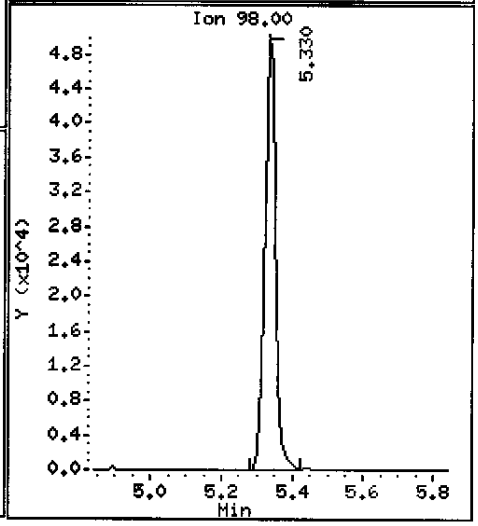












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7925.D

Date : 14-APR-2005 14:06

Client ID: BR937952

Instrument: V2.i

Sample Info: ,D0410-06A,,17666

Purge Volume: 5.0

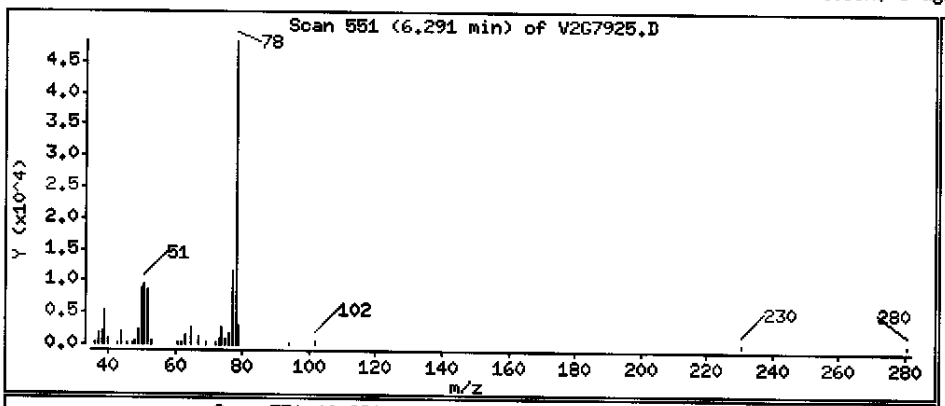
Operator: JC SRC: LIMS

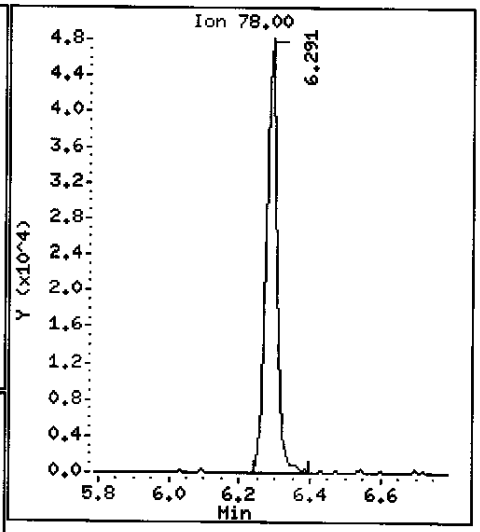
Column phase: DB-624

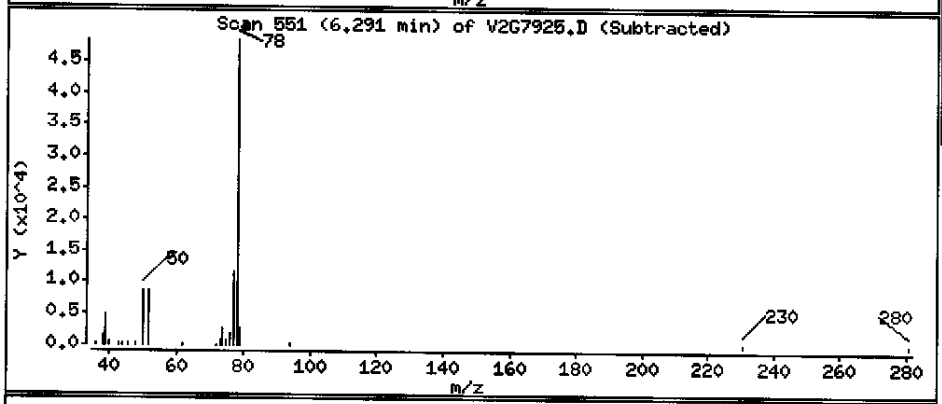
Column diameter: 0.25

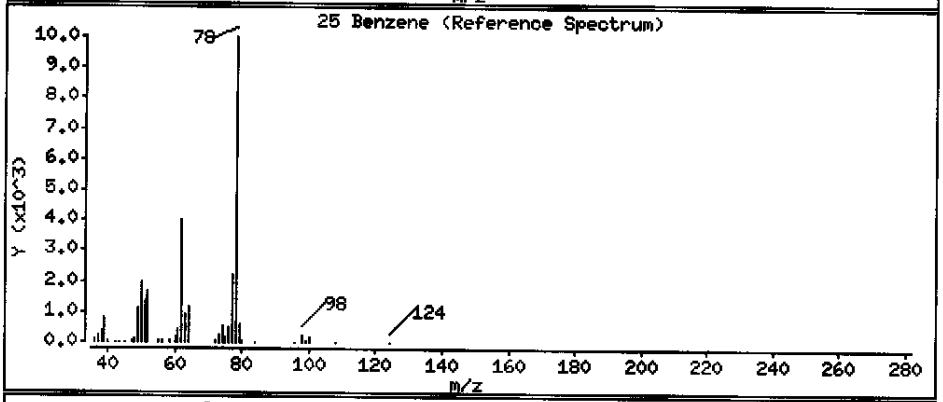
25 Benzene

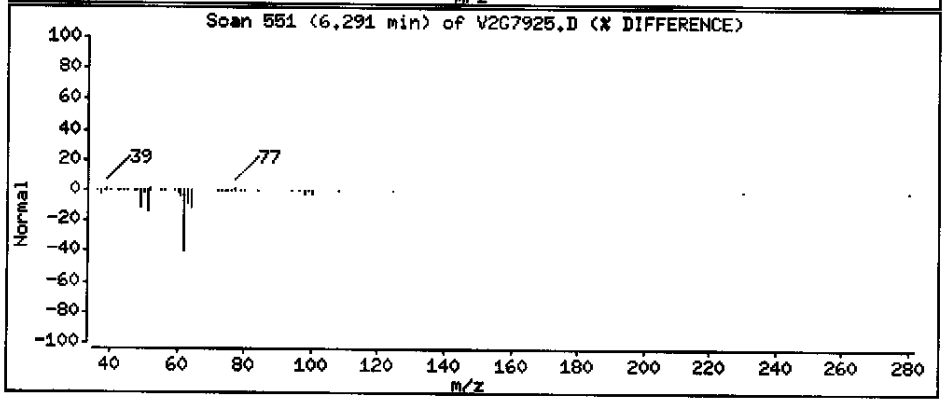
Concentration: 5 ug/L











Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7925.D

Date : 14-APR-2005 14:06

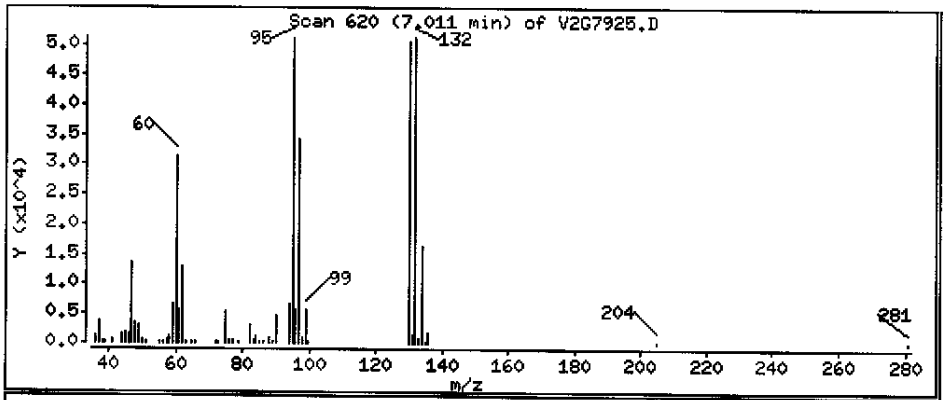
Client ID: BR937952 Instrument: V2.i

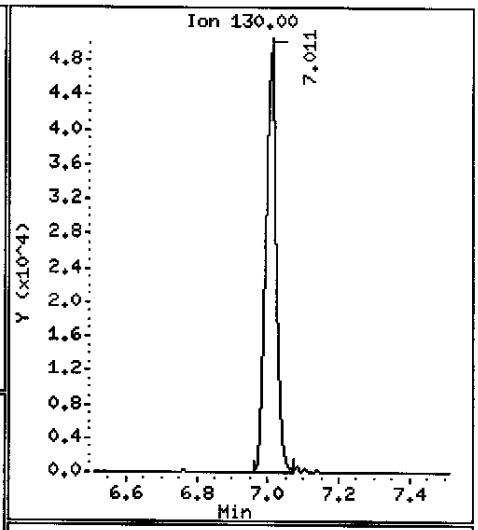
Sample Info: ,D0410-06A,,17666

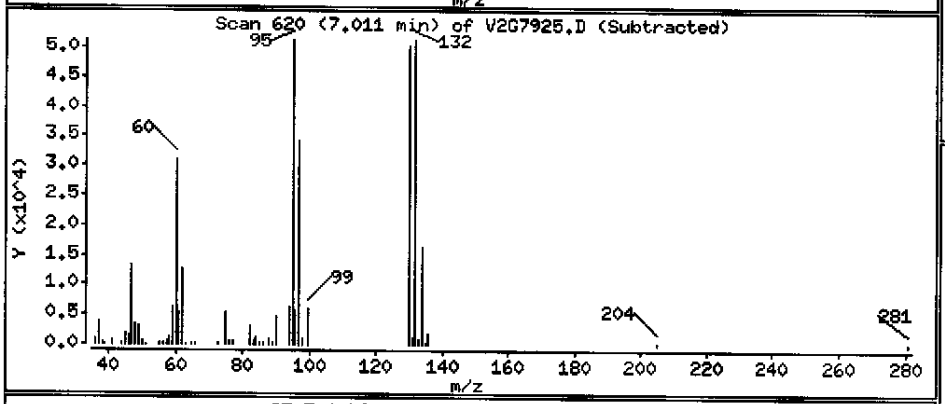
Purge Volume: 5.0 Operator: JC SRC: LIMS

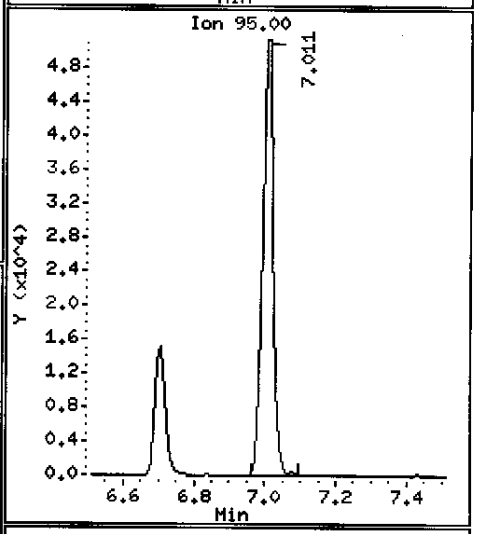
Column phase: DB-624 Column diameter: 0.25

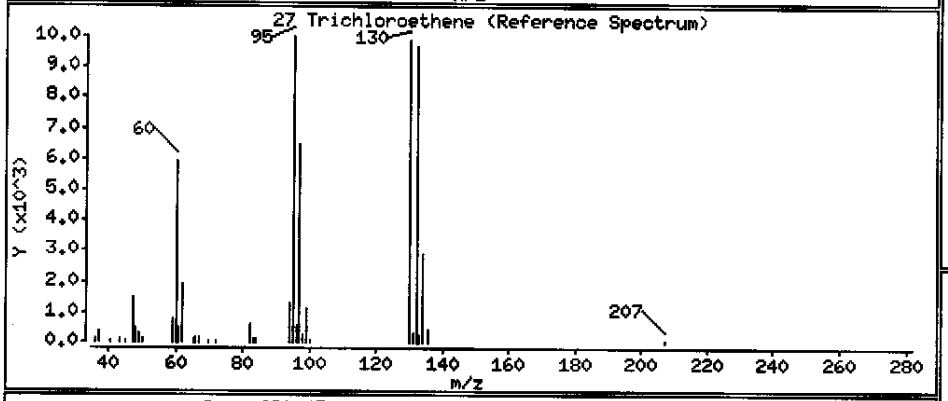
27 Trichloroethene Concentration: 18 ug/L

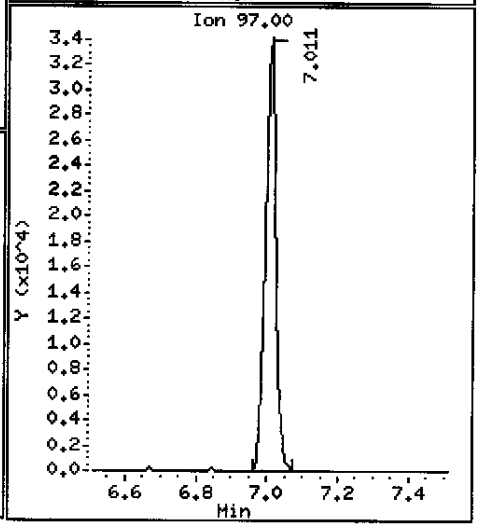


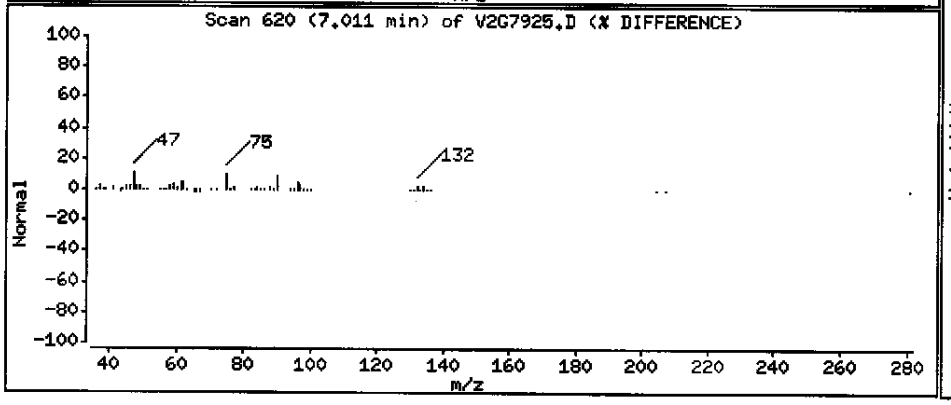












Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7925.D

Date : 14-APR-2005 14:06

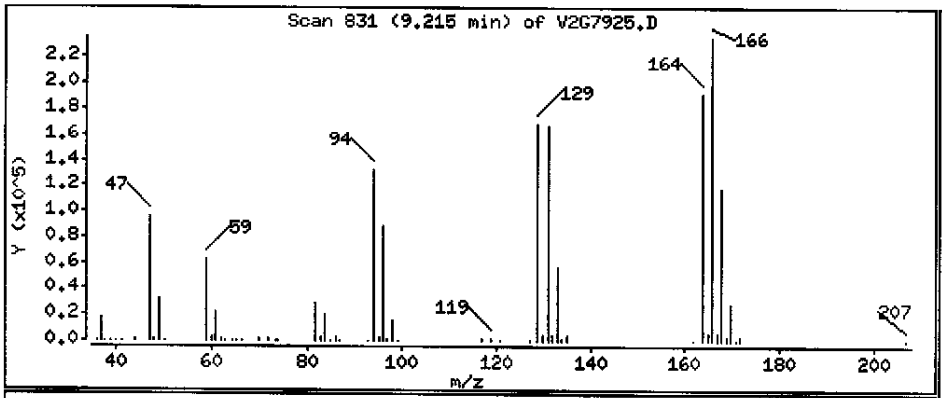
Client ID: BR937952 Instrument: V2.i

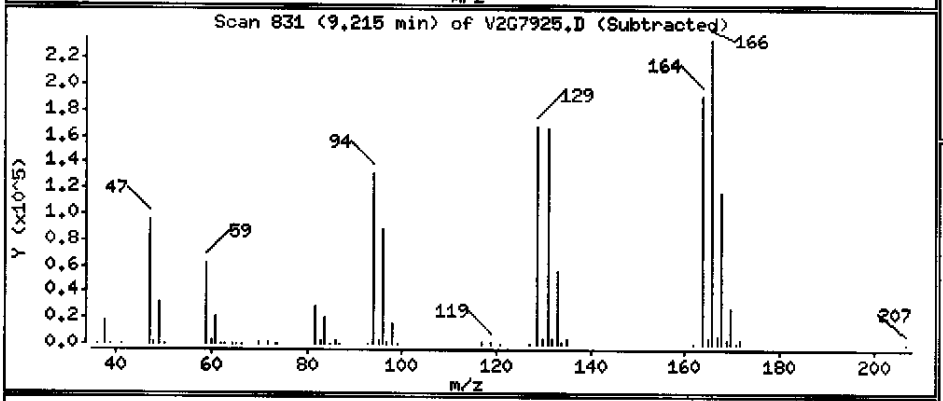
Sample Info: ,D0410-06A,,17666

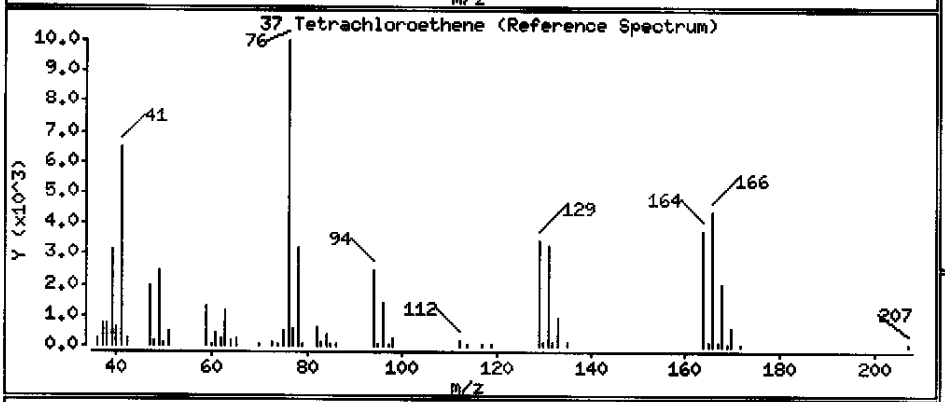
Purge Volume: 5.0 Operator: JC SRC: LIMS

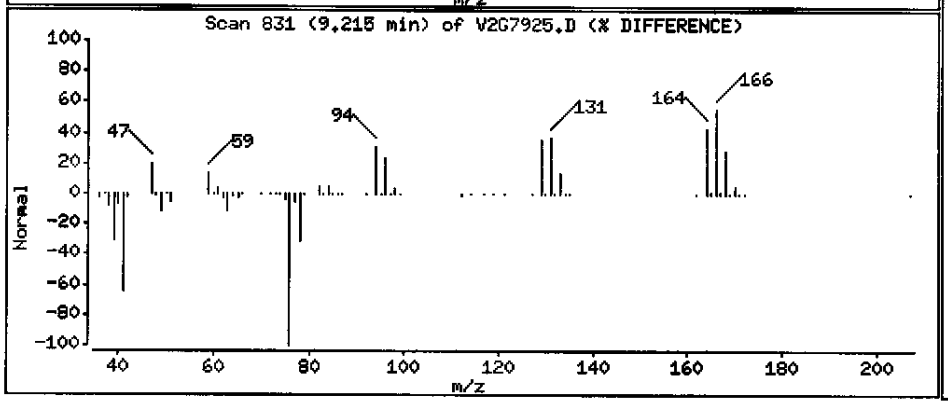
Column phase: DB-624 Column diameter: 0.25

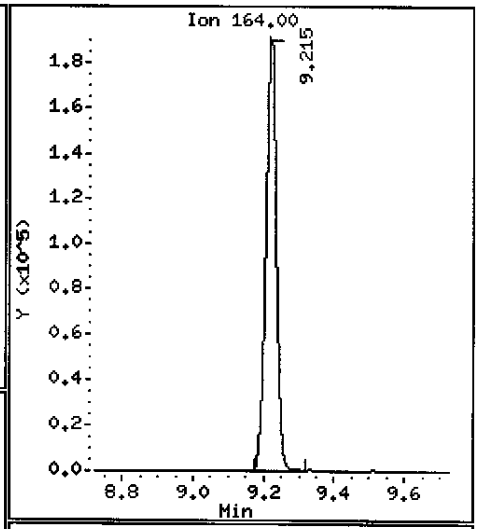
37 Tetrachloroethene Concentration: 96 ug/L

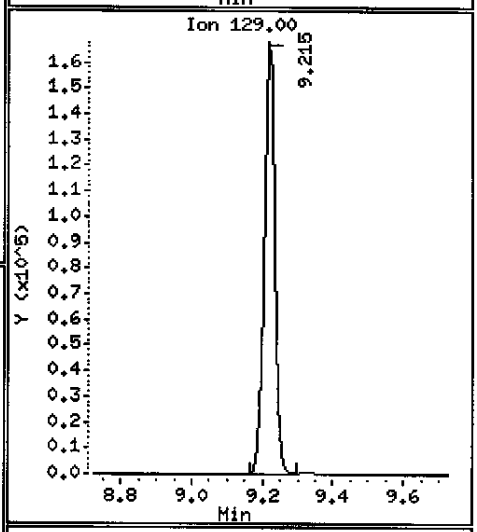


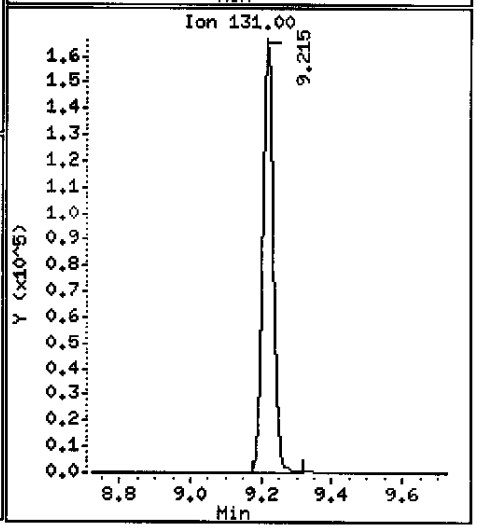












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7916

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7916

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TRIP-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7916

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

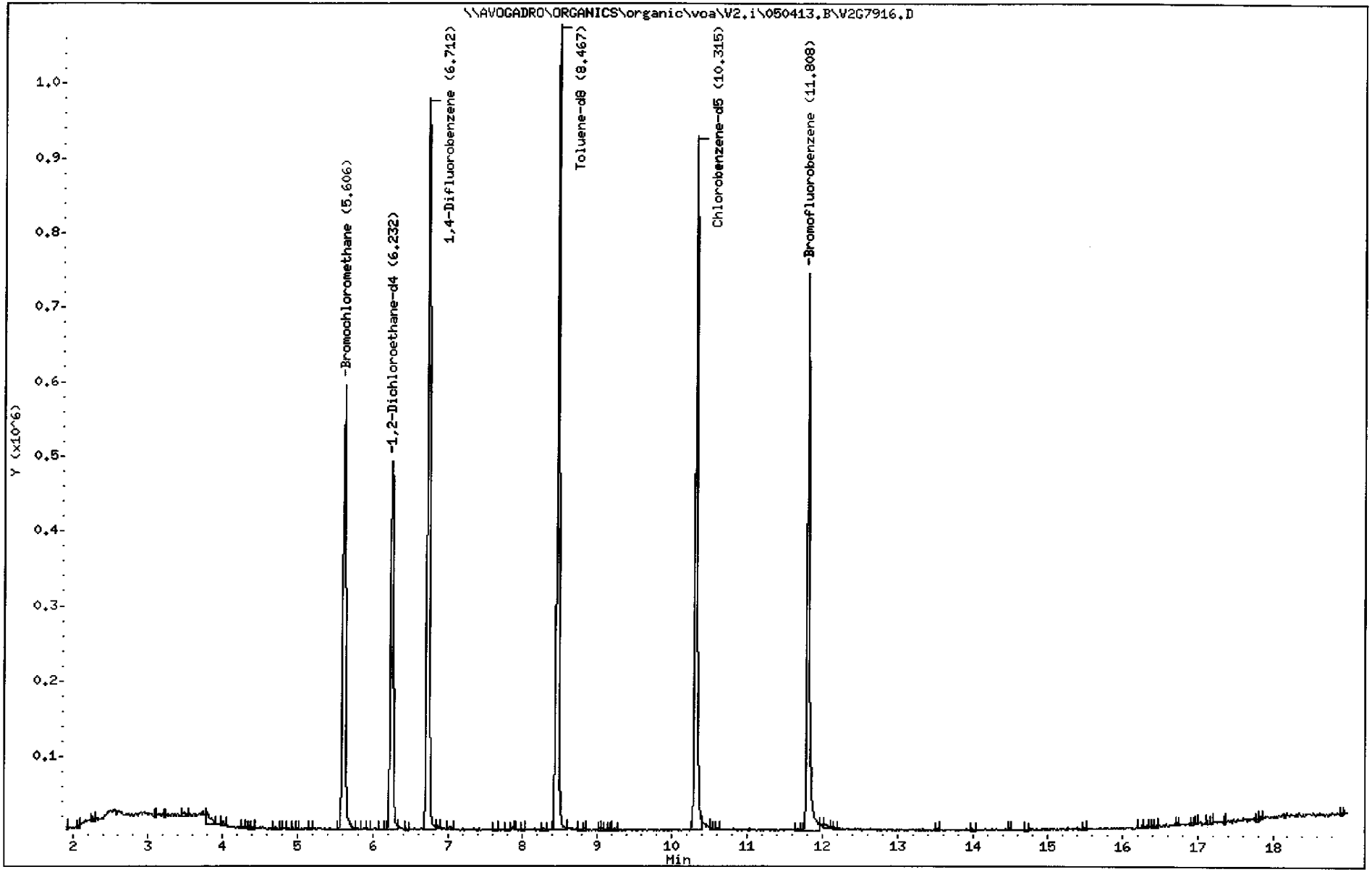
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7916.D
Date : 13-APR-2005 14:12
Client ID: TRIP-01
Instrument: V2.i
Sample Info: ,D0410-07A,,17654
Purge Volume: 5.0
Operator: JC SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



0164

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7916.D
Report Date: 03-May-2005 11:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7916.D
Lab Smp Id: D0410-07A Client Smp ID: TRIP-01
Inj Date : 13-APR-2005 14:12
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-07A,,17654
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D ✓
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	5.606	5.602	(1.000)	188337	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.232	6.239	(1.112)	499055	48.9082	49
* 26 1,4-Difluorobenzene	114	6.712	6.719	(1.000)	863692	50.0000	
$ 33 Toluene-d8	98	8.467	8.463	(0.821)	822498	48.8471	49
* 42 Chlorobenzene-d5	117	10.315	10.322	(1.000)	606736	50.0000	
$ 50 Bromofluorobenzene	95	11.808	11.804	(1.145)	339093	50.1802	50

SB 5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7916.D
Report Date: 03-May-2005 11:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7916.D
Lab Smp Id: D0410-07A Client Smp ID: TRIP-01
Inj Date : 13-APR-2005 14:12
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-07A,,17654
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Instrument ID: V2 Calibration Date(s): 04/12/05 04/12/05

Heated Purge: (Y/N) N Calibration Times: 1652 1836

GC Column: DB-624 ID: 0.25(mm)

LAB FILE ID: RRF10 = V2G7902 RRF20 = V2G7905
RRF50 = V2G7901 RRF100= V2G7904 RRF200= V2G7903

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	2.173	2.271	2.393	2.446	2.522	2.361	5.9
Chloromethane	1.128	1.419	1.004	1.450	1.352	1.271	15.3
Vinyl Chloride *	1.423	1.729	1.362	1.606	1.563	1.537	9.5*
Bromomethane *	1.541	1.529	1.560	1.506	1.528	1.533	1.3*
Chloroethane	0.852	0.952	0.890	0.941	0.933	0.914	4.6
Trichlorofluoromethane	2.677	3.419	2.956	3.344	3.241	3.127	9.8
1,1-Dichloroethene *	1.482	1.632	1.479	1.501	1.576	1.534	4.4*
1,1,2-Trichloro-1,2,2-trifluoroethane	1.682	1.771	1.784	1.746	1.861	1.769	3.7
Acetone	0.996	1.144	1.065	1.073	1.159	1.087	6.1
Carbon Disulfide	3.929	4.610	4.143	4.370	4.608	4.332	6.9
Methyl Acetate	1.242	1.195	1.216	1.350	1.429	1.286	7.7
Methylene Chloride	1.861	1.896	1.829	1.846	1.969	1.880	2.9
trans-1,2-Dichloroethene	1.523	1.731	1.630	1.610	1.644	1.628	4.6
Methyl tert-Butyl Ether	4.571	4.925	5.373	5.127	5.444	5.088	7.0
1,1-Dichloroethane *	2.518	2.962	2.775	2.824	2.934	2.803	6.3*
cis-1,2-Dichloroethene	1.348	1.603	1.612	1.599	1.666	1.566	8.0
2-Butanone	0.610	0.692	0.645	0.750	0.787	0.697	10.5
Chloroform *	3.124	3.259	3.425	3.203	3.436	3.289	4.2*
1,1,1-Trichloroethane *	0.599	0.631	0.637	0.639	0.641	0.629	2.8*
Cyclohexane	0.275	0.315	0.265	0.324	0.317	0.299	9.0
Carbon Tetrachloride *	0.562	0.559	0.595	0.584	0.599	0.580	3.2*
Benzene *	0.990	1.060	0.977	1.076	1.055	1.032	4.3*
1,2-Dichloroethane *	3.078	3.200	3.418	3.241	3.588	3.305	6.0*
Trichloroethene *	0.311	0.320	0.314	0.335	0.331	0.322	3.3*
Methylcyclohexane	0.244	0.246	0.244	0.282	0.281	0.259	7.7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6B

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Instrument ID: V2 Calibration Date(s): 04/12/05 04/12/05

Heated Purge: (Y/N) N Calibration Times: 1652 1836

GC Column: DB-624 ID: 0.25(mm)

LAB FILE ID: RRF10 = V2G7902 RRF20 = V2G7905
RRF50 = V2G7901 RRF100= V2G7904 RRF200= V2G7903

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
1,2-Dichloropropane		0.242	0.265	0.235	0.270	0.273	0.257	6.8	
Bromodichloromethane	*	0.493	0.481	0.520	0.529	0.539	0.512	4.8*	
cis-1,3-Dichloropropene	*	0.377	0.428	0.433	0.471	0.486	0.439	9.7*	
4-Methyl-2-Pentanone		0.275	0.276	0.303	0.352	0.374	0.316	14.2	
Toluene	*	1.377	1.447	1.425	1.480	1.527	1.451	3.9*	
trans-1,3-Dichloropropene	*	0.437	0.445	0.476	0.512	0.548	0.484	9.6*	
1,1,2-Trichloroethane	*	0.265	0.264	0.279	0.298	0.307	0.283	6.9*	
Tetrachloroethene	*	0.323	0.321	0.324	0.318	0.329	0.323	1.3*	
2-Hexanone		0.056	0.090	0.093	0.201	0.225	0.133	56.4	
Dibromochloromethane	*	0.342	0.364	0.409	0.419	0.442	0.395	10.4*	
1,2-Dibromoethane		0.416	0.384	0.450	0.463	0.483	0.439	9.0	
Chlorobenzene	*	0.929	0.967	0.997	0.976	1.026	0.979	3.7*	
Ethylbenzene	*	0.409	0.433	0.462	0.489	0.501	0.459	8.3*	
Xylene (Total)	*	0.477	0.551	0.576	0.616	0.615	0.567	10.2*	
Styrene	*	0.576	0.708	0.761	0.818	0.874	0.747	15.3*	
Bromoform	*	0.253	0.262	0.303	0.318	0.344	0.296	13.0*	
Isopropylbenzene		1.069	1.251	1.348	1.394	1.481	1.309	12.1	
1,1,2,2-Tetrachloroethane	*	0.394	0.416	0.430	0.475	0.495	0.442	9.5*	
1,3-Dichlorobenzene	*	0.448	0.558	0.625	0.646	0.708	0.597	16.6*	<-
1,4-Dichlorobenzene	*	0.509	0.627	0.680	0.726	0.780	0.664	15.6*	
1,2-Dichlorobenzene	*	0.531	0.600	0.675	0.672	0.724	0.640	11.7*	
1,2-Dibromo-3-chloropropane		0.073	0.066	0.098	0.103	0.113	0.091	21.9	
1,2,4-Trichlorobenzene	*	0.236	0.264	0.337	0.356	0.395	0.318	20.7*	<-
Toluene-d8		1.290	1.266	1.330	1.378	1.379	1.329	3.8	
Bromofluorobenzene	*	0.447	0.461	0.551	0.599	0.633	0.538	15.3*	
1,2-Dichloroethane-d4		2.659	2.482	2.939	2.812	2.986	2.776	7.5	

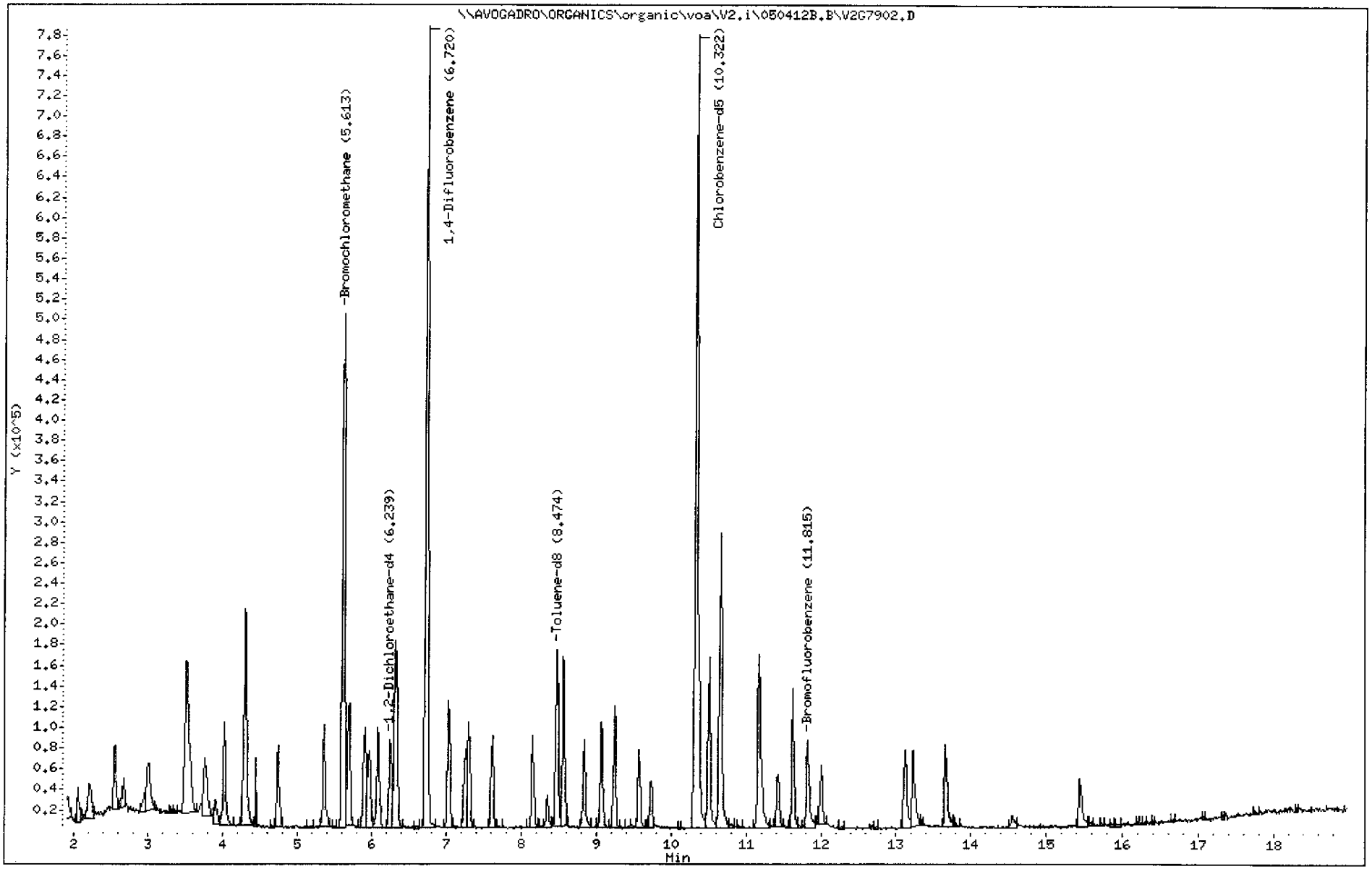
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\V2G7902.D
Date : 12-APR-2005 17:18
Client ID: VSTD0102P
Sample Info: ,VSTD0102P,VSTD0102P
Purge Volume: 5.0
Column phase: DB-624

Instrument: V2.i

Operator: JC SRC: JC
Column diameter: 0.25

COPY
Original Documents Are Included in CSF_____
Signed:_____ Date:_____



0169

Data File: V2G7902.D
Report Date: 28-Apr-2005 15:25

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\V2G7902.D
Lab Smp Id: VSTD0102P Client Smp ID: VSTD0102P
Inj Date : 12-APR-2005 17:18
Operator : JC SRC: JC Inst ID: V2.i
Smp Info : ,VSTD0102P,VSTD0102P
Misc Info : ,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\v2clp4S.m
Meth Date : 28-Apr-2005 15:25 mtl Quant Type: ISTD
Cal Date : 12-APR-2005 16:52 Cal File: V2G7901.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.906	1.910	(0.340)	71388	10.0000	9(a)
2 Chloromethane	50	2.042	2.056	(0.364)	37075	10.0000	9(a)
3 Vinyl Chloride	62	2.209	2.212	(0.394)	46746	10.0000	9(a)
4 Bromomethane	94	2.553	2.557	(0.455)	50624	10.0000	10
5 Chloroethane	64	2.658	2.661	(0.474)	28000	10.0000	9(a)
6 Trichlorofluoromethane	101	3.002	2.995	(0.535)	87974	10.0000	9(a)
7 1,1-Dichloroethene	96	3.503	3.507	(0.624)	48712	10.0000	10
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.524	3.528	(0.628)	55272	10.0000	10
9 Acetone	43	3.566	3.570	(0.635)	32737	10.0000	9(a)
10 Carbon Disulfide	76	3.765	3.758	(0.671)	129120	10.0000	9(a)
11 Methyl Acetate	43	3.900	3.893	(0.695)	40805	10.0000	10
12 Methylene Chloride	84	4.015	4.008	(0.715)	61161	10.0000	10
13 trans-1,2-Dichloroethene	96	4.287	4.290	(0.764)	50046	10.0000	9(a)
14 Methyl tert-Butyl Ether	73	4.297	4.290	(0.766)	150198	10.0000	9(a)
15 1,1-Dichloroethane	63	4.736	4.739	(0.844)	82730	10.0000	9(a)
17 cis-1,2-Dichloroethene	96	5.352	5.355	(0.953)	44291	10.0000	9(a)

COPY
Original Documents Are Included in CSF_____
Signed:_____ Date:_____

Data File: V2G7902.D
Report Date: 28-Apr-2005 15:25

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16	2-Butanone	43	5.383	5.376	(0.959)	20044	10.0000	9(a)
*	18	Bromochloromethane	128	5.613	5.616	(1.000)	164299	50.0000	
	19	Chloroform	83	5.696	5.689	(1.015)	102650	10.0000	9(a)
	20	1,1,1-Trichloroethane	97	5.895	5.898	(0.877)	85274	10.0000	10
	21	Cyclohexane	56	5.957	5.961	(0.887)	39092	10.0000	9(a)
	22	Carbon Tetrachloride	117	6.072	6.076	(0.904)	79963	10.0000	10
$	23	1,2-Dichloroethane-d4	65	6.239	6.243	(1.112)	87386	10.0000	10
	25	Benzene	78	6.312	6.305	(0.939)	140915	10.0000	10
	24	1,2-Dichloroethane	62	6.323	6.326	(1.127)	101128	10.0000	9(a)
*	26	1,4-Difluorobenzene	114	6.720	6.723	(1.000)	711675	50.0000	
	27	Trichloroethene	130	7.022	7.026	(1.045)	44203	10.0000	10
	28	Methylcyclohexane	83	7.242	7.245	(1.078)	34760	10.0000	9(a)
	29	1,2-Dichloropropane	63	7.294	7.287	(1.085)	34436	10.0000	9(a)
	30	Bromodichloromethane	83	7.607	7.611	(1.132)	70161	10.0000	10
	31	cis-1,3-Dichloropropene	75	8.140	8.143	(1.211)	53692	10.0000	9(a)
	32	4-Methyl-2-Pentanone	43	8.338	8.342	(0.808)	28667	10.0000	9(a)
$	33	Toluene-d8	98	8.474	8.477	(0.821)	134585	10.0000	10
	34	Toluene	91	8.547	8.561	(0.828)	143617	10.0000	9(a)
	35	trans-1,3-Dichloropropene	75	8.829	8.832	(1.314)	62261	10.0000	9(a)
	36	1,1,2-Trichloroethane	97	9.059	9.062	(1.348)	37681	10.0000	9(a)
	37	Tetrachloroethene	164	9.236	9.240	(0.895)	33700	10.0000	10
	38	2-Hexanone	43	9.508	9.417	(0.921)	5824	10.0000	4(aH)
	39	Dibromochloromethane	129	9.570	9.574	(1.424)	48620	10.0000	9(a)
	40	1,2-Dibromoethane	107	9.727	9.730	(0.942)	43380	10.0000	9(a)
*	42	Chlorobenzene-d5	117	10.322	10.326	(1.000)	521657	50.0000	
	43	Chlorobenzene	112	10.364	10.367	(1.004)	96910	10.0000	9(a)
	44	Ethylbenzene	106	10.499	10.503	(1.017)	42637	10.0000	9(a)
	45	m,p-Xylene	106	10.646	10.649	(1.031)	107086	20.0000	18
	46	o-Xylene	106	11.157	11.161	(1.081)	49717	10.0000	8(a)
	47	Styrene	104	11.178	11.182	(1.083)	60061	10.0000	8(a)
	48	Bromoform	173	11.418	11.422	(1.699)	35945	10.0000	9(a)
	49	Isopropylbenzene	105	11.617	11.620	(1.125)	111483	10.0000	8(a)
M	41	Xylene (Total)	106				156803	10.0000	27
$	50	Bromofluorobenzene	95	11.815	11.819	(1.145)	46679	10.0000	8(a)
	51	1,1,2,2-Tetrachloroethane	83	12.003	11.996	(1.163)	41084	10.0000	9(a)
	52	1,3-Dichlorobenzene	146	13.131	13.124	(1.272)	46765	10.0000	8(a)
	53	1,4-Dichlorobenzene	146	13.225	13.228	(1.281)	53109	10.0000	8(a)
	54	1,2-Dichlorobenzene	146	13.663	13.656	(1.324)	55425	10.0000	8(a)
	55	1,2-Dibromo-3-chloropropane	75	14.551	14.544	(1.410)	7660	10.0000	8(a)
	56	1,2,4-Trichlorobenzene	180	15.459	15.442	(1.498)	24622	10.0000	7(a)

QC Flag Legend

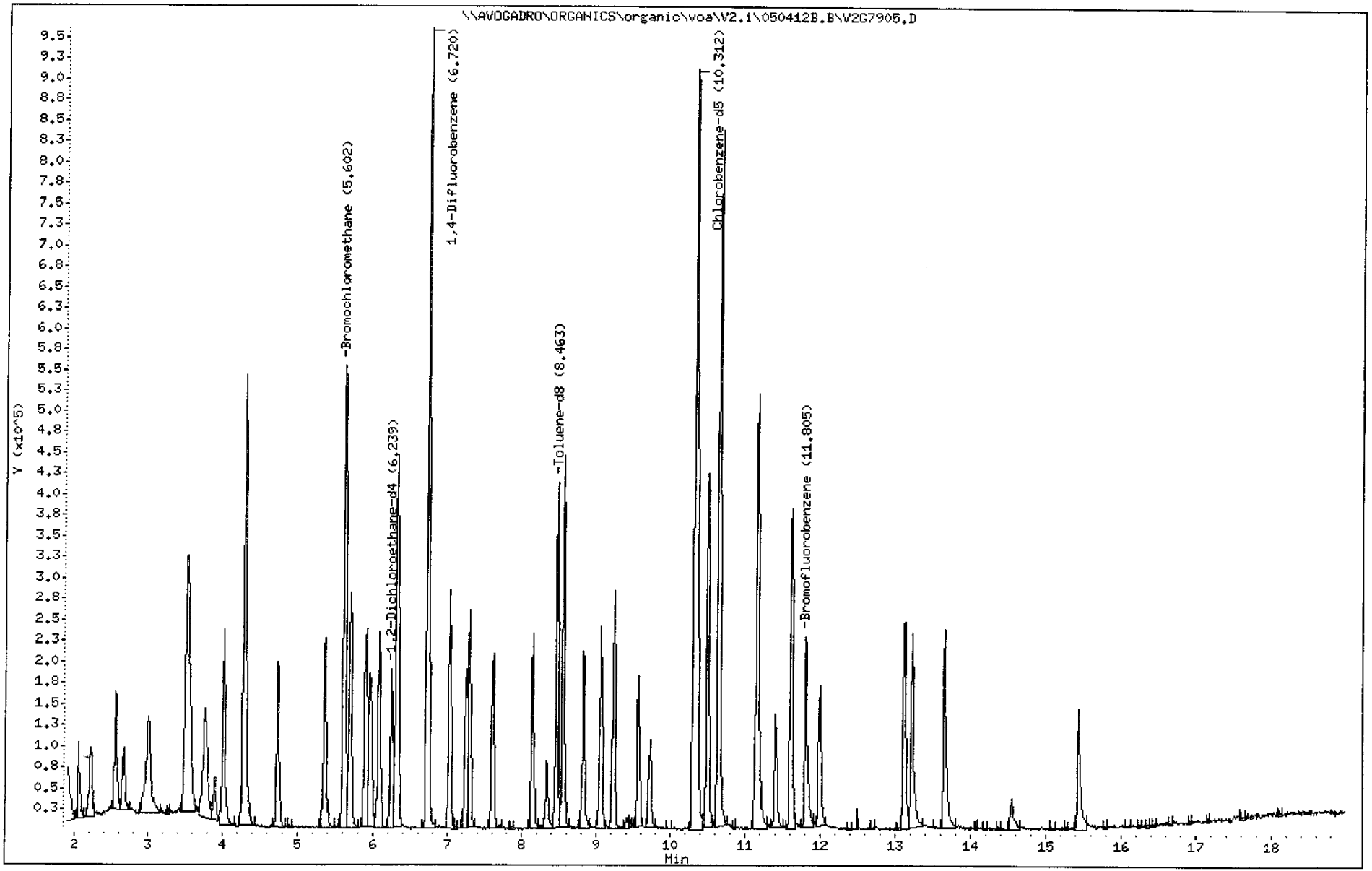
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

YP 4/28/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\V2G7905.D
Date : 12-APR-2005 18:36
Client ID: VSTD0202P
Sample Info: ,VSTD0202P,VSTD0202P
Purge Volume: 5.0
Column phase: DB-624

Instrument: V2.i

Operator: JC SRC: JC
Column diameter: 0.25



0172

Data File: V2G7905.D
Report Date: 28-Apr-2005 15:12

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\V2G7905.D
Lab Smp Id: VSTD0202P Client Smp ID: VSTD0202P
Inj Date : 12-APR-2005 18:36
Operator : JC SRC: JC Inst ID: V2.i
Smp Info : ,VSTD0202P,VSTD0202P
Misc Info : ,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\v2clp4S.m
Meth Date : 13-Apr-2005 09:54 mtl Quant Type: ISTD
Cal Date : 12-APR-2005 16:52 Cal File: V2G7901.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

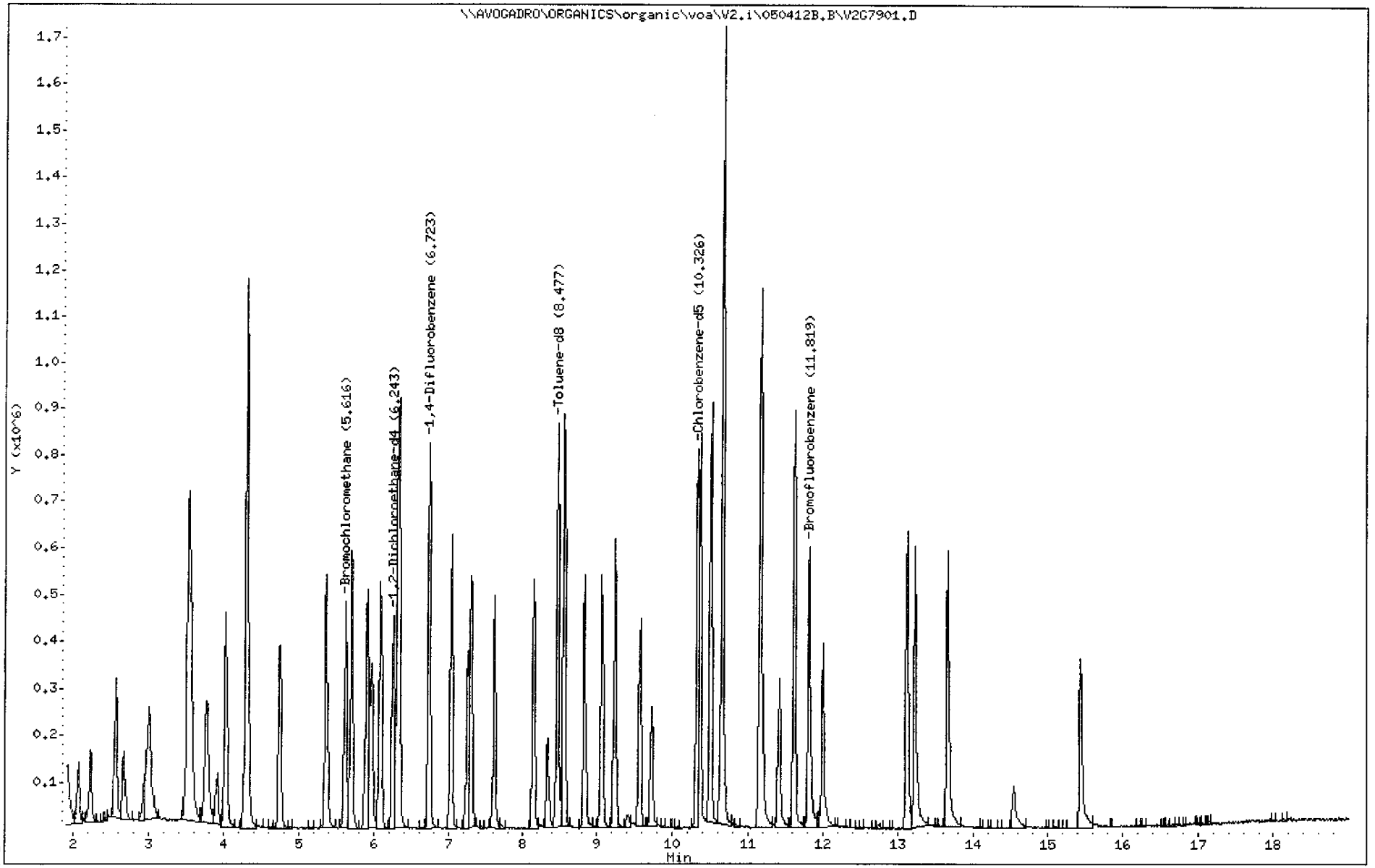
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.896	1.910	(0.338)	165623	20.0000	19
2 Chloromethane	50	2.042	2.056	(0.364)	103478	20.0000	22
3 Vinyl Chloride	62	2.209	2.212	(0.394)	126056	20.0000	22
4 Bromomethane	94	2.554	2.557	(0.455)	111507	20.0000	20
5 Chloroethane	64	2.658	2.661	(0.474)	69403	20.0000	21
6 Trichlorofluoromethane	101	2.992	2.995	(0.533)	249310	20.0000	22
7 1,1-Dichloroethene	96	3.504	3.507	(0.624)	118984	20.0000	21
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.535	3.528	(0.630)	129128	20.0000	20
9 Acetone	43	3.556	3.570	(0.634)	83451	20.0000	21
10 Carbon Disulfide	76	3.754	3.758	(0.669)	336146	20.0000	21
11 Methyl Acetate	43	3.890	3.893	(0.693)	87133	20.0000	19
12 Methylene Chloride	84	4.005	4.008	(0.714)	138250	20.0000	20
13 trans-1,2-Dichloroethene	96	4.287	4.290	(0.764)	126207	20.0000	21
14 Methyl tert-Butyl Ether	73	4.287	4.290	(0.764)	359146	20.0000	19
15 1,1-Dichloroethane	63	4.725	4.739	(0.842)	215983	20.0000	21
17 cis-1,2-Dichloroethene	96	5.352	5.355	(0.953)	116888	20.0000	20

Data File: V2G7905.D
Report Date: 28-Apr-2005 15:12

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16	2-Butanone	43	5.373	5.376	(0.957)	50454	20.0000	20
*	18	Bromochloromethane	128	5.613	5.616	(1.000)	182307	50.0000	
	19	Chloroform	83	5.686	5.689	(1.013)	237620	20.0000	20
	20	1,1,1-Trichloroethane	97	5.895	5.898	(0.877)	209717	20.0000	20
	21	Cyclohexane	56	5.947	5.961	(0.885)	104778	20.0000	21
	22	Carbon Tetrachloride	117	6.072	6.076	(0.904)	185807	20.0000	19
$	23	1,2-Dichloroethane-d4	65	6.239	6.243	(1.112)	180973	20.0000	18
	25	Benzene	78	6.302	6.305	(0.938)	352333	20.0000	21
	24	1,2-Dichloroethane	62	6.323	6.326	(1.127)	233376	20.0000	19
*	26	1,4-Difluorobenzene	114	6.720	6.723	(1.000)	831117	50.0000	
	27	Trichloroethene	130	7.023	7.026	(1.045)	106256	20.0000	20
	28	Methylcyclohexane	83	7.242	7.245	(1.078)	81937	20.0000	19
	29	1,2-Dichloropropane	63	7.284	7.287	(1.084)	87985	20.0000	21
	30	Bromodichloromethane	83	7.607	7.611	(1.132)	159915	20.0000	19
	31	cis-1,3-Dichloropropene	75	8.140	8.143	(1.211)	142327	20.0000	20
	32	4-Methyl-2-Pentanone	43	8.338	8.342	(0.808)	70419	20.0000	17
$	33	Toluene-d8	98	8.463	8.477	(0.820)	322744	20.0000	19
	34	Toluene	91	8.547	8.561	(0.828)	368691	20.0000	20
	35	trans-1,3-Dichloropropene	75	8.819	8.832	(1.312)	148038	20.0000	18
	36	1,1,2-Trichloroethane	97	9.059	9.062	(1.348)	87689	20.0000	19
	37	Tetrachloroethene	164	9.236	9.240	(0.895)	81746	20.0000	20
	38	2-Hexanone	43	9.414	9.417	(0.912)	22895	20.0000	13
	39	Dibromochloromethane	129	9.560	9.574	(1.423)	121175	20.0000	18
	40	1,2-Dibromoethane	107	9.727	9.730	(0.942)	97872	20.0000	17
*	42	Chlorobenzene-d5	117	10.322	10.326	(1.000)	637201	50.0000	
	43	Chlorobenzene	112	10.353	10.367	(1.003)	246496	20.0000	20
	44	Ethylbenzene	106	10.489	10.503	(1.016)	110437	20.0000	19
	45	m,p-Xylene	106	10.646	10.649	(1.031)	285943	40.0000	39
	46	o-Xylene	106	11.157	11.161	(1.081)	140320	20.0000	19
	47	Styrene	104	11.178	11.182	(1.083)	180346	20.0000	19
	48	Bromoform	173	11.408	11.422	(1.698)	87186	20.0000	18
	49	Isopropylbenzene	105	11.617	11.620	(1.125)	318808	20.0000	19
M	41	Xylene (Total)	106				426264	20.0000	59
$	50	Bromofluorobenzene	95	11.805	11.819	(1.144)	117608	20.0000	17
	51	1,1,2,2-Tetrachloroethane	83	11.993	11.996	(1.162)	105966	20.0000	19
	52	1,3-Dichlorobenzene	146	13.121	13.124	(1.271)	142152	20.0000	19
	53	1,4-Dichlorobenzene	146	13.214	13.228	(1.280)	159924	20.0000	19
	54	1,2-Dichlorobenzene	146	13.653	13.656	(1.323)	153001	20.0000	19
	55	1,2-Dibromo-3-chloropropane	75	14.541	14.544	(1.409)	16908	20.0000	15
	56	1,2,4-Trichlorobenzene	180	15.439	15.442	(1.496)	67184	20.0000	17

VP 4/26/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\V2G7901.D
Date : 12-APR-2005 16:52
Client ID: VSTD0502P
Instrument: V2.i
Sample Info: ,VSTD0502P,VSTD0502P
Purge Volume: 5.0
Operator: JC SRC: JC
Column phase: DB-624
Column diameter: 0.25



Data File: V2G7901.D
Report Date: 28-Apr-2005 15:12

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\V2G7901.D
Lab Smp Id: VSTD0502P Client Smp ID: VSTD0502P
Inj Date : 12-APR-2005 16:52
Operator : JC SRC: JC Inst ID: V2.i
Smp Info : ,VSTD0502P,VSTD0502P
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\v2clp4S.m
Meth Date : 13-Apr-2005 09:54 mtl Quant Type: ISTD
Cal Date : 12-APR-2005 16:52 Cal File: V2G7901.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

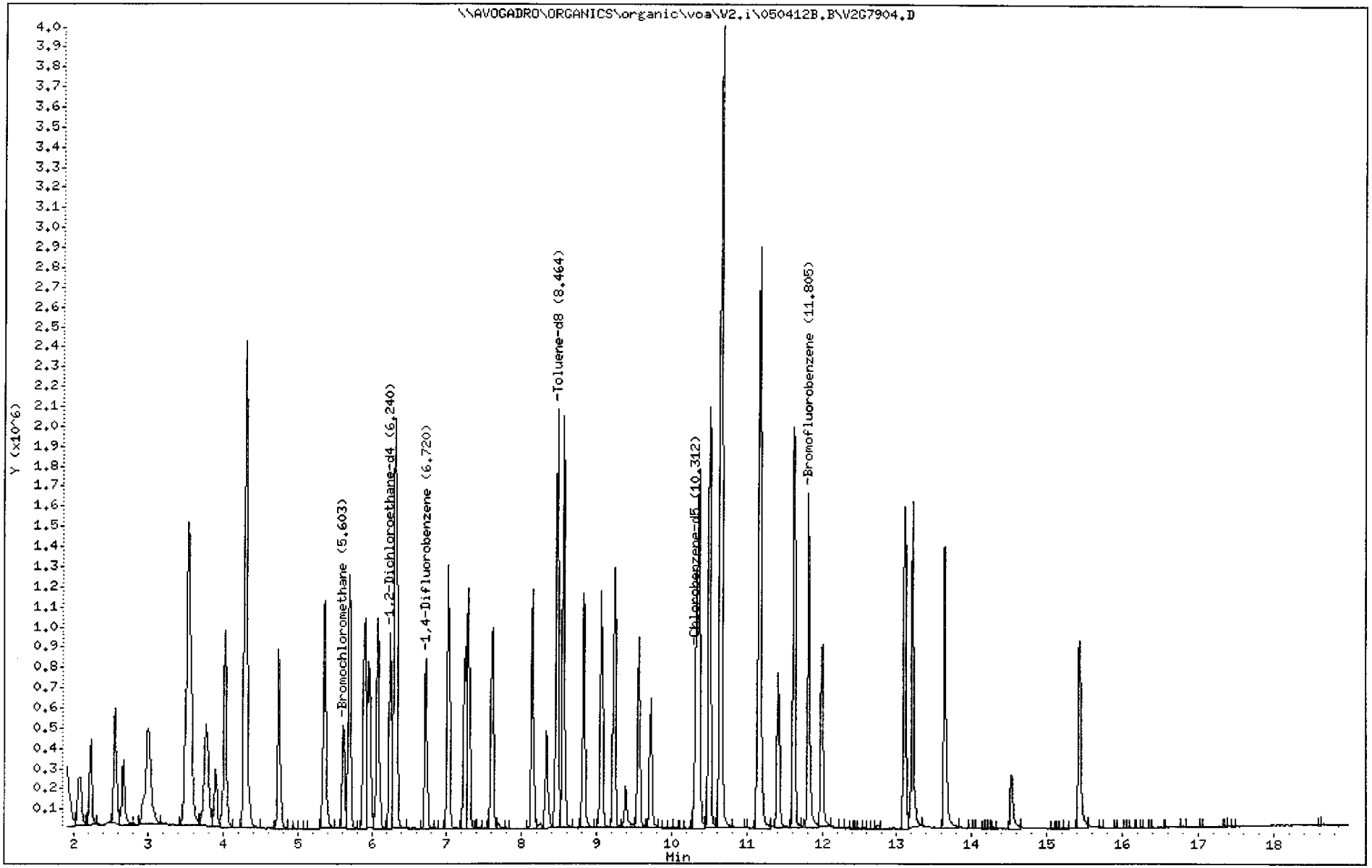
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.910	1.910	(0.340)	372915	50.0000	50
2 Chloromethane	50	2.056	2.056	(0.366)	156485	50.0000	50
3 Vinyl Chloride	62	2.212	2.212	(0.394)	212247	50.0000	50
4 Bromomethane	94	2.557	2.557	(0.455)	243082	50.0000	50
5 Chloroethane	64	2.661	2.661	(0.474)	138641	50.0000	50
6 Trichlorofluoromethane	101	2.995	2.995	(0.533)	460537	50.0000	50
7 1,1-Dichloroethene	96	3.507	3.507	(0.624)	230494	50.0000	50
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.528	3.528	(0.628)	277949	50.0000	50
9 Acetone	43	3.570	3.570	(0.636)	166027	50.0000	50
10 Carbon Disulfide	76	3.758	3.758	(0.669)	645537	50.0000	50
11 Methyl Acetate	43	3.893	3.893	(0.693)	189498	50.0000	50
12 Methylene Chloride	84	4.008	4.008	(0.714)	285046	50.0000	50
13 trans-1,2-Dichloroethene	96	4.290	4.290	(0.764)	254005	50.0000	50
14 Methyl tert-Butyl Ether	73	4.290	4.290	(0.764)	837245	50.0000	50
15 1,1-Dichloroethane	63	4.739	4.739	(0.844)	432479	50.0000	50
17 cis-1,2-Dichloroethene	96	5.355	5.355	(0.954)	251219	50.0000	50

Data File: V2G7901.D
Report Date: 28-Apr-2005 15:12

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16	2-Butanone	43	5.376	5.376	(0.957)	100491	50.0000	50
*	18	Bromochloromethane	128	5.616	5.616	(1.000)	155821	50.0000	
	19	Chloroform	83	5.689	5.689	(1.013)	533693	50.0000	50
	20	1,1,1-Trichloroethane	97	5.898	5.898	(0.877)	453948	50.0000	50
	21	Cyclohexane	56	5.961	5.961	(0.887)	188782	50.0000	50
	22	Carbon Tetrachloride	117	6.076	6.076	(0.904)	423777	50.0000	50
$	23	1,2-Dichloroethane-d4	65	6.243	6.243	(1.112)	457891	50.0000	50
	25	Benzene	78	6.305	6.305	(0.938)	696074	50.0000	50
	24	1,2-Dichloroethane	62	6.326	6.326	(1.126)	532581	50.0000	50
*	26	1,4-Difluorobenzene	114	6.723	6.723	(1.000)	712212	50.0000	
	27	Trichloroethene	130	7.026	7.026	(1.045)	223934	50.0000	50
	28	Methylcyclohexane	83	7.245	7.245	(1.078)	173514	50.0000	50
	29	1,2-Dichloropropane	63	7.287	7.287	(1.084)	167439	50.0000	50
	30	Bromodichloromethane	83	7.611	7.611	(1.132)	370084	50.0000	50
	31	cis-1,3-Dichloropropene	75	8.143	8.143	(1.211)	308269	50.0000	50
	32	4-Methyl-2-Pentanone	43	8.342	8.342	(0.808)	160375	50.0000	50
$	33	Toluene-d8	98	8.477	8.477	(0.821)	705017	50.0000	50
	34	Toluene	91	8.561	8.561	(0.829)	755456	50.0000	50
	35	trans-1,3-Dichloropropene	75	8.832	8.832	(1.314)	339112	50.0000	50
	36	1,1,2-Trichloroethane	97	9.062	9.062	(1.348)	198474	50.0000	50
	37	Tetrachloroethene	164	9.240	9.240	(0.895)	171661	50.0000	50
	38	2-Hexanone	43	9.417	9.417	(0.912)	49545	50.0000	50
	39	Dibromochloromethane	129	9.574	9.574	(1.424)	291021	50.0000	50
	40	1,2-Dibromoethane	107	9.730	9.730	(0.942)	238528	50.0000	50
*	42	Chlorobenzene-d5	117	10.326	10.326	(1.000)	530106	50.0000	
	43	Chlorobenzene	112	10.367	10.367	(1.004)	528380	50.0000	50
	44	Ethylbenzene	106	10.503	10.503	(1.017)	244779	50.0000	50
	45	m,p-Xylene	106	10.649	10.649	(1.031)	604213	100.000	100
	46	o-Xylene	106	11.161	11.161	(1.081)	305436	50.0000	50
	47	Styrene	104	11.182	11.182	(1.083)	403445	50.0000	50
	48	Bromoform	173	11.422	11.422	(1.699)	215475	50.0000	50
	49	Isopropylbenzene	105	11.620	11.620	(1.125)	714747	50.0000	50
M	41	Xylene (Total)	106				909649	50.0000	150
$	50	Bromofluorobenzene	95	11.819	11.819	(1.145)	292343	50.0000	50
	51	1,1,2,2-Tetrachloroethane	83	11.996	11.996	(1.162)	227874	50.0000	50
	52	1,3-Dichlorobenzene	146	13.124	13.124	(1.271)	331376	50.0000	50
	53	1,4-Dichlorobenzene	146	13.228	13.228	(1.281)	360527	50.0000	50
	54	1,2-Dichlorobenzene	146	13.656	13.656	(1.323)	357810	50.0000	50
	55	1,2-Dibromo-3-chloropropane	75	14.544	14.544	(1.409)	51946	50.0000	50
	56	1,2,4-Trichlorobenzene	180	15.442	15.442	(1.496)	178465	50.0000	50

YD 4/28/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\V2G7904.D
Date : 12-APR-2005 18:10
Client ID: VSTD1002P
Instrument: V2.i
Sample Info: ,VSTD1002P,VSTD1002P
Purge Volume: 5.0
Operator: JC SRC: JC
Column phase: DB-624
Column diameter: 0.25



Data File: V2G7904.D
Report Date: 28-Apr-2005 15:12

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\V2G7904.D
Lab Smp Id: VSTD1002P Client Smp ID: VSTD1002P
Inj Date : 12-APR-2005 18:10
Operator : JC SRC: JC Inst ID: V2.i
Smp Info : ,VSTD1002P,VSTD1002P
Misc Info : ,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\v2clp4S.m
Meth Date : 13-Apr-2005 09:54 mtl Quant Type: ISTD
Cal Date : 12-APR-2005 16:52 Cal File: V2G7901.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

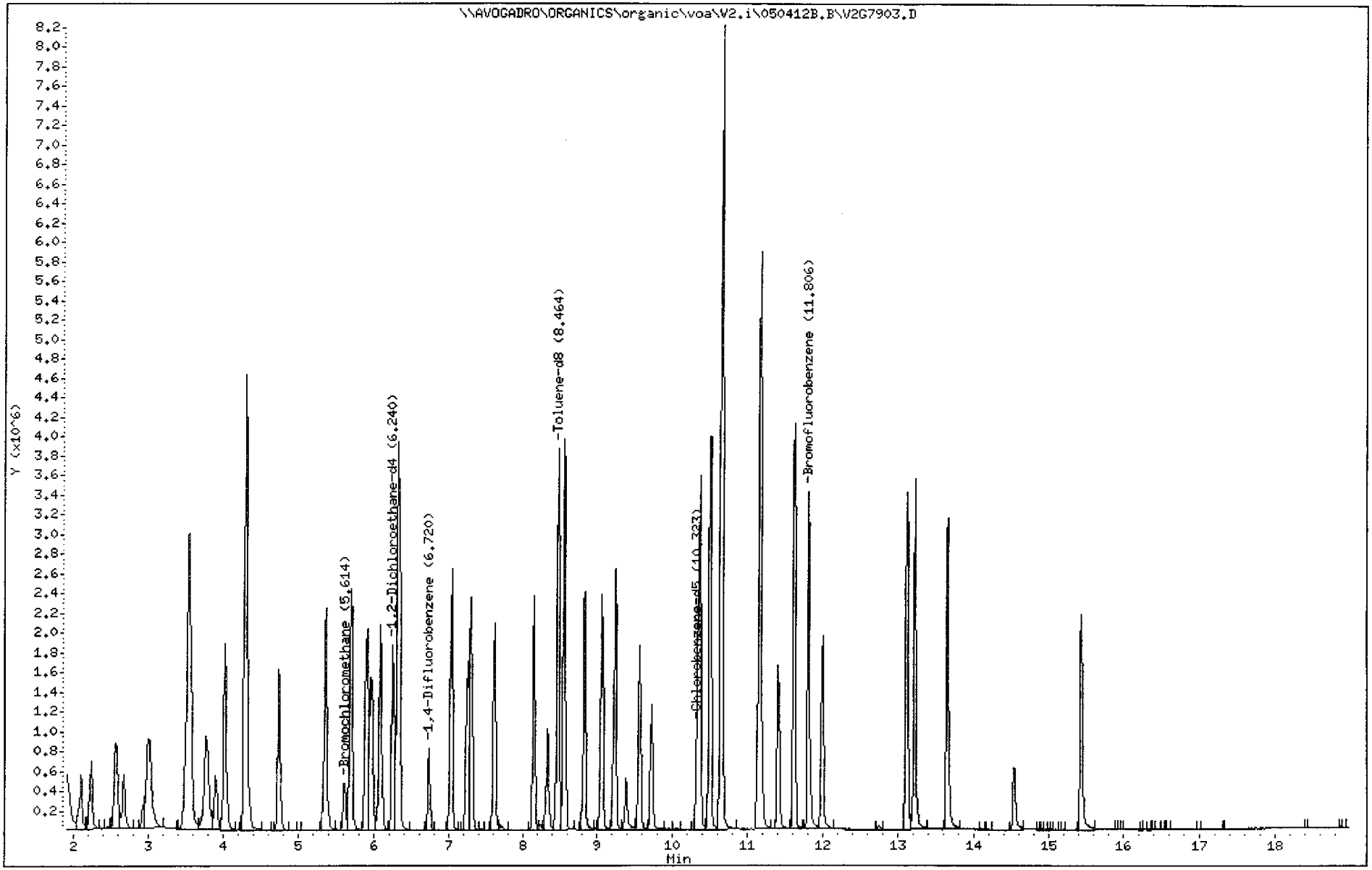
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.896	1.910	(0.338)	831375	100.000	100
2 Chloromethane	50	2.063	2.056	(0.368)	492666	100.000	120
3 Vinyl Chloride	62	2.220	2.212	(0.396)	545849	100.000	110
4 Bromomethane	94	2.554	2.557	(0.456)	511783	100.000	98
5 Chloroethane	64	2.658	2.661	(0.474)	319861	100.000	100
6 Trichlorofluoromethane	101	2.992	2.995	(0.534)	1136443	100.000	110
7 1,1-Dichloroethene	96	3.514	3.507	(0.627)	510019	100.000	99
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.525	3.528	(0.629)	593232	100.000	99
9 Acetone	43	3.556	3.570	(0.635)	364665	100.000	100
10 Carbon Disulfide	76	3.765	3.758	(0.672)	1484962	100.000	100
11 Methyl Acetate	43	3.890	3.893	(0.694)	458952	100.000	100
12 Methylene Chloride	84	4.005	4.008	(0.715)	627506	100.000	98
13 trans-1,2-Dichloroethene	96	4.287	4.290	(0.765)	547208	100.000	100
14 Methyl tert-Butyl Ether	73	4.287	4.290	(0.765)	1742245	100.000	100
15 1,1-Dichloroethane	63	4.726	4.739	(0.843)	959873	100.000	100
17 cis-1,2-Dichloroethene	96	5.342	5.355	(0.953)	543495	100.000	100

Data File: V2G7904.D
Report Date: 28-Apr-2005 15:12

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16	2-Butanone	43	5.373	5.376	(0.959)	255042	100.000	110
*	18	Bromochloromethane	128	5.603	5.616	(1.000)	169920	50.0000	
	19	Chloroform	83	5.686	5.689	(1.015)	1088545	100.000	97
	20	1,1,1-Trichloroethane	97	5.895	5.898	(0.877)	938503	100.000	100
	21	Cyclohexane	56	5.947	5.961	(0.885)	475526	100.000	110
	22	Carbon Tetrachloride	117	6.073	6.076	(0.904)	858178	100.000	100
$	23	1,2-Dichloroethane-d4	65	6.240	6.243	(1.114)	955743	100.000	99
	25	Benzene	78	6.302	6.305	(0.938)	1580087	100.000	100
	24	1,2-Dichloroethane	62	6.323	6.326	(1.129)	1101568	100.000	97
*	26	1,4-Difluorobenzene	114	6.720	6.723	(1.000)	734575	50.0000	
	27	Trichloroethene	130	7.023	7.026	(1.045)	492046	100.000	100
	28	Methylcyclohexane	83	7.242	7.245	(1.078)	413923	100.000	110
	29	1,2-Dichloropropane	63	7.284	7.287	(1.084)	397235	100.000	110
	30	Bromodichloromethane	83	7.608	7.611	(1.132)	777185	100.000	100
	31	cis-1,3-Dichloropropene	75	8.140	8.143	(1.211)	692311	100.000	110
	32	4-Methyl-2-Pentanone	43	8.328	8.342	(0.808)	407305	100.000	110
$	33	Toluene-d8	98	8.464	8.477	(0.821)	1596284	100.000	100
	34	Toluene	91	8.547	8.561	(0.829)	1715227	100.000	100
	35	trans-1,3-Dichloropropene	75	8.819	8.832	(1.312)	751640	100.000	100
	36	1,1,2-Trichloroethane	97	9.059	9.062	(1.348)	438417	100.000	100
	37	Tetrachloroethene	164	9.236	9.240	(0.896)	368009	100.000	98
	38	2-Hexanone	43	9.383	9.417	(0.910)	233279	100.000	150
	39	Dibromochloromethane	129	9.560	9.574	(1.423)	615926	100.000	100
	40	1,2-Dibromoethane	107	9.717	9.730	(0.942)	536764	100.000	100
*	42	Chlorobenzene-d5	117	10.312	10.326	(1.000)	579273	50.0000	
	43	Chlorobenzene	112	10.354	10.367	(1.004)	1131075	100.000	99
	44	Ethylbenzene	106	10.490	10.503	(1.017)	566594	100.000	110
	45	m,p-Xylene	106	10.646	10.649	(1.032)	1391790	200.000	210
	46	o-Xylene	106	11.147	11.161	(1.081)	713882	100.000	110
	47	Styrene	104	11.168	11.182	(1.083)	947664	100.000	110
	48	Bromoform	173	11.408	11.422	(1.698)	466589	100.000	100
	49	Isopropylbenzene	105	11.617	11.620	(1.127)	1615373	100.000	110
M	41	Xylene (Total)	106				2105673	100.000	320
$	50	Bromofluorobenzene	95	11.805	11.819	(1.145)	693739	100.000	110
	51	1,1,2,2-Tetrachloroethane	83	11.993	11.996	(1.163)	550777	100.000	110
	52	1,3-Dichlorobenzene	146	13.110	13.124	(1.271)	748083	100.000	110
	53	1,4-Dichlorobenzene	146	13.215	13.228	(1.281)	841405	100.000	110
	54	1,2-Dichlorobenzene	146	13.653	13.656	(1.324)	778086	100.000	100
	55	1,2-Dibromo-3-chloropropane	75	14.530	14.544	(1.409)	118969	100.000	110
	56	1,2,4-Trichlorobenzene	180	15.439	15.442	(1.497)	412320	100.000	110

VP 4/29/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\V2G7903.D
Date : 12-APR-2005 17:44
Client ID: VSTD2002P
Instrument: V2.i
Sample Info: ,VSTD2002P,VSTD2002P
Purge Volume: 5.0
Operator: JC SRC: JC
Column phase: DB-624
Column diameter: 0.25



0181

Data File: V2G7903.D
Report Date: 28-Apr-2005 15:12

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\V2G7903.D
Lab Smp Id: VSTD2002P Client Smp ID: VSTD2002P
Inj Date : 12-APR-2005 17:44
Operator : JC SRC: JC Inst ID: V2.i
Smp Info : ,VSTD2002P,VSTD2002P
Misc Info : ,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\v2clp4S.m
Meth Date : 13-Apr-2005 09:54 mtl Quant Type: ISTD
Cal Date : 12-APR-2005 16:52 Cal File: V2G7901.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.896	1.910	(0.338)	1569338	200.000	210(A)
2 Chloromethane	50	2.084	2.056	(0.371)	841177	200.000	230(A)
3 Vinyl Chloride	62	2.220	2.212	(0.395)	972832	200.000	220(A)
4 Bromomethane	94	2.554	2.557	(0.455)	950645	200.000	200
5 Chloroethane	64	2.659	2.661	(0.474)	580887	200.000	210(A)
6 Trichlorofluoromethane	101	3.003	2.995	(0.535)	2017196	200.000	220(A)
7 1,1-Dichloroethene	96	3.525	3.507	(0.628)	980632	200.000	210(A)
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.536	3.528	(0.630)	1157849	200.000	210(A)
9 Acetone	43	3.557	3.570	(0.634)	721448	200.000	220(A)
10 Carbon Disulfide	76	3.765	3.758	(0.671)	2867816	200.000	220(A)
11 Methyl Acetate	43	3.891	3.893	(0.693)	889017	200.000	220(A)
12 Methylene Chloride	84	4.016	4.008	(0.715)	1225128	200.000	210(A)
13 trans-1,2-Dichloroethene	96	4.287	4.290	(0.764)	1022961	200.000	210(A)
14 Methyl tert-Butyl Ether	73	4.287	4.290	(0.764)	3388098	200.000	210(A)
15 1,1-Dichloroethane	63	4.726	4.739	(0.842)	1825893	200.000	210(A)
17 cis-1,2-Dichloroethene	96	5.353	5.355	(0.954)	1036612	200.000	220(A)

Data File: V2G7903.D
Report Date: 28-Apr-2005 15:12

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	16	2-Butanone	43	5.373	5.376	(0.957)	490047	200.000	230(A)
*	18	Bromochloromethane	128	5.614	5.616	(1.000)	155578	50.0000	
	19	Chloroform	83	5.687	5.689	(1.013)	2138092	200.000	210(A)
	20	1,1,1-Trichloroethane	97	5.896	5.898	(0.877)	1823409	200.000	200
	21	Cyclohexane	56	5.948	5.961	(0.885)	900286	200.000	220(A)
	22	Carbon Tetrachloride	117	6.073	6.076	(0.904)	1703067	200.000	200
$	23	1,2-Dichloroethane-d4	65	6.240	6.243	(1.112)	1858269	200.000	210(A)
	25	Benzene	78	6.303	6.305	(0.938)	2998885	200.000	210(A)
	24	1,2-Dichloroethane	62	6.324	6.326	(1.126)	2232896	200.000	210(A)
*	26	1,4-Difluorobenzene	114	6.721	6.723	(1.000)	710735	50.0000	
	27	Trichloroethene	130	7.023	7.026	(1.045)	942365	200.000	210(A)
	28	Methylcyclohexane	83	7.243	7.245	(1.078)	797536	200.000	220(A)
	29	1,2-Dichloropropane	63	7.295	7.287	(1.085)	776563	200.000	220(A)
	30	Bromodichloromethane	83	7.608	7.611	(1.132)	1531902	200.000	210(A)
	31	cis-1,3-Dichloropropene	75	8.140	8.143	(1.211)	1381477	200.000	220(A)
	32	4-Methyl-2-Pentanone	43	8.329	8.342	(0.807)	838330	200.000	240(A)
$	33	Toluene-d8	98	8.464	8.477	(0.820)	3091019	200.000	210(A)
	34	Toluene	91	8.548	8.561	(0.828)	3422009	200.000	210(A)
	35	trans-1,3-Dichloropropene	75	8.830	8.832	(1.314)	1556865	200.000	220(A)
	36	1,1,2-Trichloroethane	97	9.059	9.062	(1.348)	873158	200.000	220(A)
	37	Tetrachloroethene	164	9.237	9.240	(0.895)	736966	200.000	200
	38	2-Hexanone	43	9.383	9.417	(0.909)	504611	200.000	410(A)
	39	Dibromochloromethane	129	9.571	9.574	(1.424)	1256734	200.000	220(A)
	40	1,2-Dibromoethane	107	9.717	9.730	(0.941)	1082525	200.000	210(A)
*	42	Chlorobenzene-d5	117	10.323	10.326	(1.000)	560221	50.0000	
	43	Chlorobenzene	112	10.354	10.367	(1.003)	2298943	200.000	210(A)
	44	Ethylbenzene	106	10.500	10.503	(1.017)	1122472	200.000	220(A)
	45	m,p-Xylene	106	10.647	10.649	(1.031)	2748099	400.000	430(A)
	46	o-Xylene	106	11.158	11.161	(1.081)	1379141	200.000	220(A)
	47	Styrene	104	11.169	11.182	(1.082)	1958573	200.000	240(A)
	48	Bromoform	173	11.409	11.422	(1.698)	978909	200.000	230(A)
	49	Isopropylbenzene	105	11.618	11.620	(1.125)	3318384	200.000	230(A)
M	41	Xylene (Total)	106				4127240	200.000	660(A)
$	50	Bromofluorobenzene	95	11.806	11.819	(1.144)	1419141	200.000	230(A)
	51	1,1,2,2-Tetrachloroethane	83	11.994	11.996	(1.162)	1109893	200.000	230(A)
	52	1,3-Dichlorobenzene	146	13.111	13.124	(1.270)	1585821	200.000	240(A)
	53	1,4-Dichlorobenzene	146	13.215	13.228	(1.280)	1746925	200.000	240(A)
	54	1,2-Dichlorobenzene	146	13.654	13.656	(1.323)	1621518	200.000	220(A)
	55	1,2-Dibromo-3-chloropropane	75	14.531	14.544	(1.408)	252284	200.000	240(A)
	56	1,2,4-Trichlorobenzene	180	15.439	15.442	(1.496)	884418	200.000	250(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

YP 4/28/05

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Instrument ID: V2 Calibration Date: 04/13/05 Time: 1046

Lab File ID: V2G7911 Init. Calib. Date(s): 04/12/05 04/12/05

EPA Sample No.(VSTD050##): VSTD0502Q Init. Calib. Times: 1652 1836

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.361	2.629		11.4	
Chloromethane	1.271	1.481		16.5	
Vinyl Chloride	1.537	1.773	0.100	15.4	25.0
Bromomethane	1.533	1.596	0.100	4.1	25.0
Chloroethane	0.914	1.011		10.6	
Trichlorofluoromethane	3.127	3.911		25.1	
1,1-Dichloroethene	1.534	1.594	0.100	3.9	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.769	2.004		13.3	
Acetone	1.087	1.540		41.7	
Carbon Disulfide	4.332	4.778		10.3	
Methyl Acetate	1.286	1.223		-4.9	
Methylene Chloride	1.880	1.868		-0.6	
trans-1,2-Dichloroethene	1.628	1.731		6.3	
Methyl tert-Butyl Ether	5.088	4.833		-5.0	
1,1-Dichloroethane	2.803	2.916	0.200	4.0	25.0
cis-1,2-Dichloroethene	1.566	1.585		1.2	
2-Butanone	0.697	0.877		25.8	
Chloroform	3.289	3.225	0.200	-1.9	25.0
1,1,1-Trichloroethane	0.629	0.640	0.100	1.7	25.0
Cyclohexane	0.299	0.341		14.0	
Carbon Tetrachloride	0.580	0.604	0.100	4.1	25.0
Benzene	1.032	1.050	0.500	1.7	25.0
1,2-Dichloroethane	3.305	3.105	0.100	-6.1	25.0
Trichloroethene	0.322	0.322	0.300	0.0	25.0
Methylcyclohexane	0.259	0.292		12.7	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Instrument ID: V2 Calibration Date: 04/13/05 Time: 1046

Lab File ID: V2G7911 Init. Calib. Date(s): 04/12/05 04/12/05

EPA Sample No.(VSTD050##): VSTD0502Q Init. Calib. Times: 1652 1836

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
1,2-Dichloropropane	0.257	0.252		-1.9		
Bromodichloromethane	0.512	0.485	0.200	-5.3	25.0	
cis-1,3-Dichloropropene	0.439	0.444	0.200	1.1	25.0	
4-Methyl-2-Pentanone	0.316	0.285		-9.8		
Toluene	1.451	1.460	0.400	0.6	25.0	
trans-1,3-Dichloropropene	0.484	0.457	0.100	-5.6	25.0	
1,1,2-Trichloroethane	0.283	0.267	0.100	-5.7	25.0	
Tetrachloroethene	0.323	0.319	0.200	-1.2	25.0	
2-Hexanone	0.136	0.153		12.5		
Dibromochloromethane	0.395	0.363	0.100	-8.1	25.0	
1,2-Dibromoethane	0.439	0.401		-8.7		
Chlorobenzene	0.979	0.945	0.500	-3.5	25.0	
Ethylbenzene	0.459	0.459	0.100	0.0	25.0	
Xylene (Total)	0.567	0.580	0.300	2.3	25.0	
Styrene	0.747	0.756	0.300	1.2	25.0	
Bromoform	0.296	0.254	0.100	-14.2	25.0	
Isopropylbenzene	1.309	1.361		4.0		
1,1,2,2-Tetrachloroethane	0.442	0.409	0.300	-7.5	25.0	
1,3-Dichlorobenzene	0.597	0.608	0.600	1.8	25.0	<-
1,4-Dichlorobenzene	0.664	0.662	0.500	-0.3	25.0	
1,2-Dichlorobenzene	0.640	0.614	0.400	-4.1	25.0	
1,2-Dibromo-3-chloropropane	0.091	0.082		-9.9		
1,2,4-Trichlorobenzene	0.318	0.307	0.200	-3.5	25.0	
Toluene-d8	1.329	1.388		4.4		
Bromofluorobenzene	0.538	0.557	0.200	3.5	25.0	
1,2-Dichloroethane-d4	2.776	2.709		-2.4		

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Instrument ID: V2 Calibration Date: 04/14/05 Time: 1202

Lab File ID: V2G7922 Init. Calib. Date(s): 04/12/05 04/12/05

EPA Sample No.(VSTD050##): VSTD0502T Init. Calib. Times: 1652 1836

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.361	2.698		14.3	
Chloromethane	1.271	1.452		14.2	
Vinyl Chloride	1.537	1.835	0.100	19.4	25.0
Bromomethane	1.533	1.556	0.100	1.5	25.0
Chloroethane	0.914	1.010		10.5	
Trichlorofluoromethane	3.127	3.175		1.5	
1,1-Dichloroethene	1.534	1.593	0.100	3.8	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.769	1.956		10.6	
Acetone	1.087	1.656		52.3	
Carbon Disulfide	4.332	4.702		8.5	
Methyl Acetate	1.286	1.316		2.3	
Methylene Chloride	1.880	1.781		-5.3	
trans-1,2-Dichloroethene	1.628	1.685		3.5	
Methyl tert-Butyl Ether	5.088	4.635		-8.9	
1,1-Dichloroethane	2.803	2.756	0.200	-1.7	25.0
cis-1,2-Dichloroethene	1.566	1.474		-5.9	
2-Butanone	0.697	0.896		28.6	
Chloroform	3.289	3.103	0.200	-5.7	25.0
1,1,1-Trichloroethane	0.629	0.608	0.100	-3.3	25.0
Cyclohexane	0.299	0.321		7.4	
Carbon Tetrachloride	0.580	0.571	0.100	-1.6	25.0
Benzene	1.032	1.025	0.500	-0.7	25.0
1,2-Dichloroethane	3.305	3.034	0.100	-8.2	25.0
Trichloroethene	0.322	0.316	0.300	-1.9	25.0
Methylcyclohexane	0.259	0.263		1.5	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Instrument ID: V2 Calibration Date: 04/14/05 Time: 1202

Lab File ID: V2G7922 Init. Calib. Date(s): 04/12/05 04/12/05

EPA Sample No.(VSTD050##): VSTD0502T Init. Calib. Times: 1652 1836

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

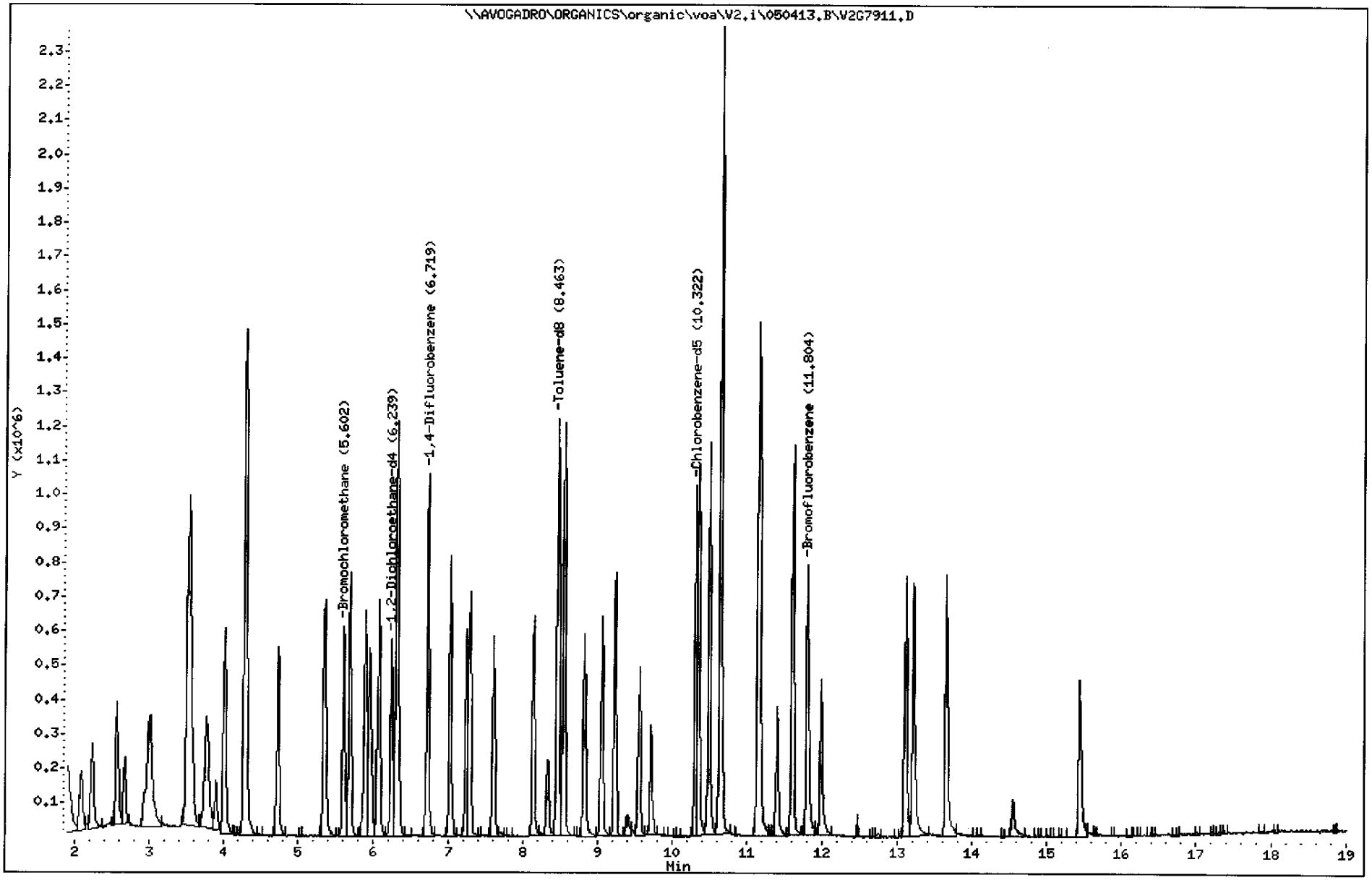
COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
1,2-Dichloropropane	0.257	0.257		0.0		
Bromodichloromethane	0.512	0.450	0.200	-12.1	25.0	
cis-1,3-Dichloropropene	0.439	0.406	0.200	-7.5	25.0	
4-Methyl-2-Pentanone	0.316	0.320		1.3		
Toluene	1.451	1.449	0.400	-0.1	25.0	
trans-1,3-Dichloropropene	0.484	0.449	0.100	-7.2	25.0	
1,1,2-Trichloroethane	0.283	0.267	0.100	-5.7	25.0	
Tetrachloroethene	0.323	0.314	0.200	-2.8	25.0	
2-Hexanone	0.136	0.162		19.1		
Dibromochloromethane	0.395	0.361	0.100	-8.6	25.0	
1,2-Dibromoethane	0.439	0.411		-6.4		
Chlorobenzene	0.979	0.938	0.500	-4.2	25.0	
Ethylbenzene	0.459	0.447	0.100	-2.6	25.0	
Xylene (Total)	0.567	0.561	0.300	-1.1	25.0	
Styrene	0.747	0.748	0.300	0.1	25.0	
Bromoform	0.296	0.257	0.100	-13.2	25.0	
Isopropylbenzene	1.309	1.293		-1.2		
1,1,2,2-Tetrachloroethane	0.442	0.444	0.300	0.5	25.0	
1,3-Dichlorobenzene	0.597	0.576	0.600	-3.5	25.0	<-
1,4-Dichlorobenzene	0.664	0.653	0.500	-1.7	25.0	
1,2-Dichlorobenzene	0.640	0.599	0.400	-6.4	25.0	
1,2-Dibromo-3-chloropropane	0.091	0.084		-7.7		
1,2,4-Trichlorobenzene	0.318	0.277	0.200	-12.9	25.0	
Toluene-d8	1.329	1.301		-2.1		
Bromofluorobenzene	0.538	0.557	0.200	3.5	25.0	
1,2-Dichloroethane-d4	2.776	2.548		-8.2		

All other compounds must meet a minimum RRF of 0.010.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7911.D
Date : 13-APR-2005 10:46
Client ID: VSTD0502Q
Sample Info: ,VSTD0502Q,VSTD0502Q
Purge Volume: 5.0
Column phase: DB-624

Instrument: V2.i

Operator: JC SRC: JC
Column diameter: 0.25



0188

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7911.D
Report Date: 03-May-2005 11:47

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7911.D
Lab Smp Id: VSTD0502Q Client Smp ID: VSTD0502Q
Inj Date : 13-APR-2005 10:46
Operator : JC SRC: JC Inst ID: V2.i
Smp Info : ,VSTD0502Q,VSTD0502Q
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

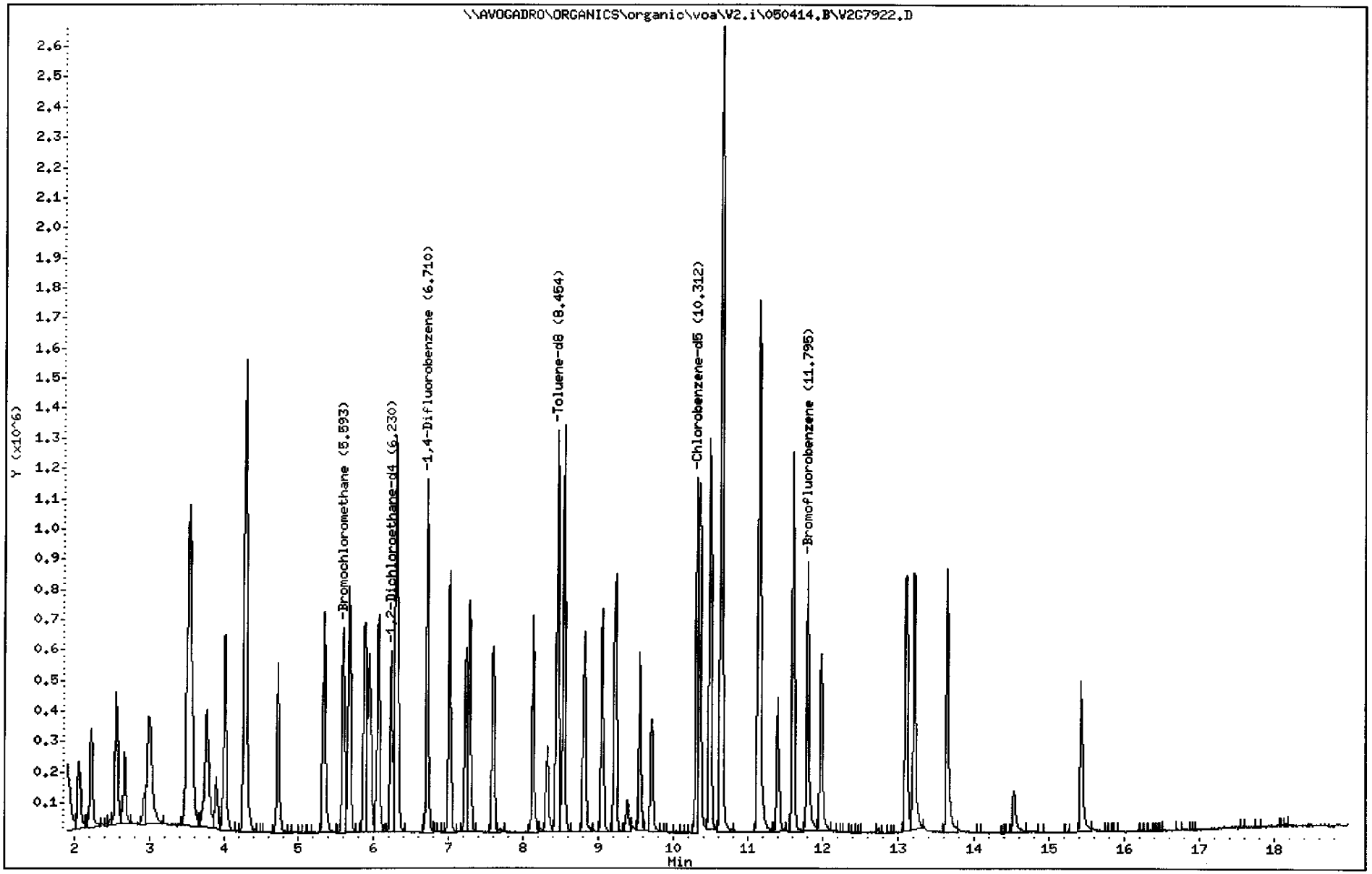
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.906	1.906	(0.340)	537629	50.0000	56
2	Chloromethane	50	2.083	2.083	(0.372)	302862	50.0000	58
3	Vinyl Chloride	62	2.219	2.219	(0.396)	362539	50.0000	58
4	Bromomethane	94	2.553	2.553	(0.456)	326439	50.0000	52
5	Chloroethane	64	2.657	2.657	(0.474)	206836	50.0000	55
6	Trichlorofluoromethane	101	3.002	3.002	(0.536)	799862	50.0000	63
7	1,1-Dichloroethene	96	3.514	3.514	(0.627)	326114	50.0000	52
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.524	3.524	(0.629)	409957	50.0000	57
9	Acetone	43	3.555	3.555	(0.635)	314979	50.0000	71
10	Carbon Disulfide	76	3.764	3.764	(0.672)	977341	50.0000	55
11	Methyl Acetate	43	3.890	3.890	(0.694)	250195	50.0000	48
12	Methylene Chloride	84	4.015	4.015	(0.717)	382144	50.0000	50
13	trans-1,2-Dichloroethene	96	4.286	4.286	(0.765)	354007	50.0000	53
14	Methyl tert-Butyl Ether	73	4.286	4.286	(0.765)	988445	50.0000	47
15	1,1-Dichloroethane	63	4.725	4.725	(0.843)	596325	50.0000	52
17	cis-1,2-Dichloroethene	96	5.351	5.351	(0.955)	324146	50.0000	51

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7911.D
Report Date: 03-May-2005 11:47

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16	2-Butanone	43	5.372	5.372	(0.959)	179447	50.0000	63
*	18	Bromochloromethane	128	5.602	5.602	(1.000)	204532	50.0000	
	19	Chloroform	83	5.685	5.685	(1.015)	659621	50.0000	49
	20	1,1,1-Trichloroethane	97	5.894	5.894	(0.877)	589552	50.0000	51
	21	Cyclohexane	56	5.947	5.947	(0.885)	313986	50.0000	57
	22	Carbon Tetrachloride	117	6.072	6.072	(0.904)	556802	50.0000	52
$	23	1,2-Dichloroethane-d4	65	6.239	6.239	(1.114)	554067	50.0000	49
	25	Benzene	78	6.301	6.301	(0.938)	967576	50.0000	51
	24	1,2-Dichloroethane	62	6.322	6.322	(1.129)	635128	50.0000	47
*	26	1,4-Difluorobenzene	114	6.719	6.719	(1.000)	921600	50.0000	
	27	Trichloroethene	130	7.022	7.022	(1.045)	296847	50.0000	50
	28	Methylcyclohexane	83	7.241	7.241	(1.078)	269235	50.0000	56
	29	1,2-Dichloropropane	63	7.283	7.283	(1.084)	232181	50.0000	49
	30	Bromodichloromethane	83	7.607	7.607	(1.132)	446819	50.0000	47
	31	cis-1,3-Dichloropropene	75	8.139	8.139	(1.211)	408858	50.0000	51
	32	4-Methyl-2-Pentanone	43	8.327	8.327	(0.807)	195478	50.0000	45
$	33	Toluene-d8	98	8.463	8.463	(0.820)	953300	50.0000	52
	34	Toluene	91	8.547	8.547	(0.828)	1002877	50.0000	50
	35	trans-1,3-Dichloropropene	75	8.828	8.828	(1.314)	421109	50.0000	47
	36	1,1,2-Trichloroethane	97	9.058	9.058	(1.348)	246090	50.0000	47
	37	Tetrachloroethene	164	9.236	9.236	(0.895)	219094	50.0000	49
	38	2-Hexanone	43	9.403	9.403	(0.911)	105448	50.0000	56
	39	Dibromochloromethane	129	9.559	9.559	(1.423)	334161	50.0000	46
	40	1,2-Dibromoethane	107	9.716	9.716	(0.941)	275237	50.0000	46
*	42	Chlorobenzene-d5	117	10.322	10.322	(1.000)	687011	50.0000	
	43	Chlorobenzene	112	10.353	10.353	(1.003)	649396	50.0000	48
	44	Ethylbenzene	106	10.489	10.489	(1.016)	315627	50.0000	50
	45	m,p-Xylene	106	10.645	10.645	(1.031)	828518	100.000	110
	46	o-Xylene	106	11.157	11.157	(1.081)	398221	50.0000	51
	47	Styrene	104	11.178	11.178	(1.083)	519306	50.0000	51
	48	Bromoform	173	11.408	11.408	(1.698)	233671	50.0000	43
	49	Isopropylbenzene	105	11.616	11.616	(1.125)	935078	50.0000	52
M	41	Xylene (Total)	106				1226739	50.0000	160
$	50	Bromofluorobenzene	95	11.804	11.804	(1.144)	382578	50.0000	52
	51	1,1,2,2-Tetrachloroethane	83	11.992	11.992	(1.162)	281150	50.0000	46
	52	1,3-Dichlorobenzene	146	13.120	13.120	(1.271)	417973	50.0000	51
	53	1,4-Dichlorobenzene	146	13.224	13.224	(1.281)	454639	50.0000	50
	54	1,2-Dichlorobenzene	146	13.652	13.652	(1.323)	422125	50.0000	48
	55	1,2-Dibromo-3-chloropropane	75	14.540	14.540	(1.409)	56161	50.0000	45
	56	1,2,4-Trichlorobenzene	180	15.438	15.438	(1.496)	210672	50.0000	48

SB 5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7922.D
Date : 14-APR-2005 12:02
Client ID: VSTD0502T
Instrument: V2.i
Sample Info: ,VSTD0502T,VSTD0502T
Purge Volume: 5.0
Operator: JC SRC: JC
Column phase: DB-624
Column diameter: 0.25



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Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7922.D
Report Date: 03-May-2005 12:04

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7922.D
Lab Smp Id: VSTD0502T Client Smp ID: VSTD0502T
Inj Date : 14-APR-2005 12:02
Operator : JC SRC: JC Inst ID: V2.i
Smp Info : ,VSTD0502T,VSTD0502T
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.896	1.896	(0.339)	606472	50.0000	57
2 Chloromethane	50	2.053	2.053	(0.367)	326340	50.0000	57
3 Vinyl Chloride	62	2.210	2.210	(0.395)	412547	50.0000	60
4 Bromomethane	94	2.544	2.544	(0.455)	349711	50.0000	51
5 Chloroethane	64	2.648	2.648	(0.473)	227005	50.0000	55
6 Trichlorofluoromethane	101	2.993	2.993	(0.535)	713846	50.0000	51
7 1,1-Dichloroethene	96	3.504	3.504	(0.627)	358135	50.0000	52
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.525	3.525	(0.630)	439648	50.0000	55
9 Acetone	43	3.546	3.546	(0.634)	372299	50.0000	76
10 Carbon Disulfide	76	3.755	3.755	(0.671)	1056998	50.0000	54
11 Methyl Acetate	43	3.880	3.880	(0.694)	295884	50.0000	51
12 Methylene Chloride	84	4.005	4.005	(0.716)	400398	50.0000	47
13 trans-1,2-Dichloroethene	96	4.277	4.277	(0.765)	378691	50.0000	52
14 Methyl tert-Butyl Ether	73	4.277	4.277	(0.765)	1041895	50.0000	46
15 1,1-Dichloroethane	63	4.716	4.716	(0.843)	619598	50.0000	49
17 cis-1,2-Dichloroethene	96	5.342	5.342	(0.955)	331378	50.0000	47

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7922.D
Report Date: 03-May-2005 12:04

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16	2-Butanone	43	5.363	5.363	(0.959)	201396	50.0000	64
*	18	Bromochloromethane	128	5.593	5.593	(1.000)	224805	50.0000	
	19	Chloroform	83	5.676	5.676	(1.015)	697494	50.0000	47
	20	1,1,1-Trichloroethane	97	5.885	5.885	(0.877)	616089	50.0000	48
	21	Cyclohexane	56	5.937	5.937	(0.885)	324844	50.0000	54
	22	Carbon Tetrachloride	117	6.063	6.063	(0.904)	578629	50.0000	49
$	23	1,2-Dichloroethane-d4	65	6.230	6.230	(1.114)	572804	50.0000	46
	25	Benzene	78	6.292	6.292	(0.938)	1038452	50.0000	50
	24	1,2-Dichloroethane	62	6.313	6.313	(1.129)	682131	50.0000	46
*	26	1,4-Difluorobenzene	114	6.710	6.710	(1.000)	1012963	50.0000	
	27	Trichloroethene	130	7.013	7.013	(1.045)	320397	50.0000	49
	28	Methylcyclohexane	83	7.232	7.232	(1.078)	266147	50.0000	51
	29	1,2-Dichloropropane	63	7.274	7.274	(1.084)	260494	50.0000	50
	30	Bromodichloromethane	83	7.598	7.598	(1.132)	455726	50.0000	44
	31	cis-1,3-Dichloropropene	75	8.130	8.130	(1.212)	411624	50.0000	46
	32	4-Methyl-2-Pentanone	43	8.318	8.318	(0.807)	247230	50.0000	51
$	33	Toluene-d8	98	8.454	8.454	(0.820)	1005480	50.0000	49
	34	Toluene	91	8.537	8.537	(0.828)	1119756	50.0000	50
	35	trans-1,3-Dichloropropene	75	8.819	8.819	(1.314)	455094	50.0000	46
	36	1,1,2-Trichloroethane	97	9.049	9.049	(1.349)	270594	50.0000	47
	37	Tetrachloroethene	164	9.226	9.226	(0.895)	243013	50.0000	49
	38	2-Hexanone	43	9.383	9.383	(0.910)	125432	50.0000	60
	39	Dibromochloromethane	129	9.550	9.550	(1.423)	365415	50.0000	46
	40	1,2-Dibromoethane	107	9.707	9.707	(0.941)	317855	50.0000	47
*	42	Chlorobenzene-d5	117	10.312	10.312	(1.000)	772848	50.0000	
	43	Chlorobenzene	112	10.344	10.344	(1.003)	724807	50.0000	48
	44	Ethylbenzene	106	10.479	10.479	(1.016)	345237	50.0000	49
	45	m,p-Xylene	106	10.636	10.636	(1.031)	896466	100.000	100
	46	o-Xylene	106	11.148	11.148	(1.081)	433501	50.0000	49
	47	Styrene	104	11.169	11.169	(1.083)	578224	50.0000	50
	48	Bromoform	173	11.398	11.398	(1.699)	259909	50.0000	43
	49	Isopropylbenzene	105	11.607	11.607	(1.126)	999461	50.0000	49
M	41	Xylene (Total)	106				1329967	50.0000	150
$	50	Bromofluorobenzene	95	11.795	11.795	(1.144)	430327	50.0000	52
	51	1,1,2,2-Tetrachloroethane	83	11.983	11.983	(1.162)	343387	50.0000	50
	52	1,3-Dichlorobenzene	146	13.111	13.111	(1.271)	444982	50.0000	48
	53	1,4-Dichlorobenzene	146	13.215	13.215	(1.281)	504711	50.0000	49
	54	1,2-Dichlorobenzene	146	13.643	13.643	(1.323)	462594	50.0000	47
	55	1,2-Dibromo-3-chloropropane	75	14.531	14.531	(1.409)	64554	50.0000	46
	56	1,2,4-Trichlorobenzene	180	15.429	15.429	(1.496)	214145	50.0000	44

SB
5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\V2G7900.D

Date : 12-APR-2005 16:21

Client ID: BFB2P

Instrument: V2.i

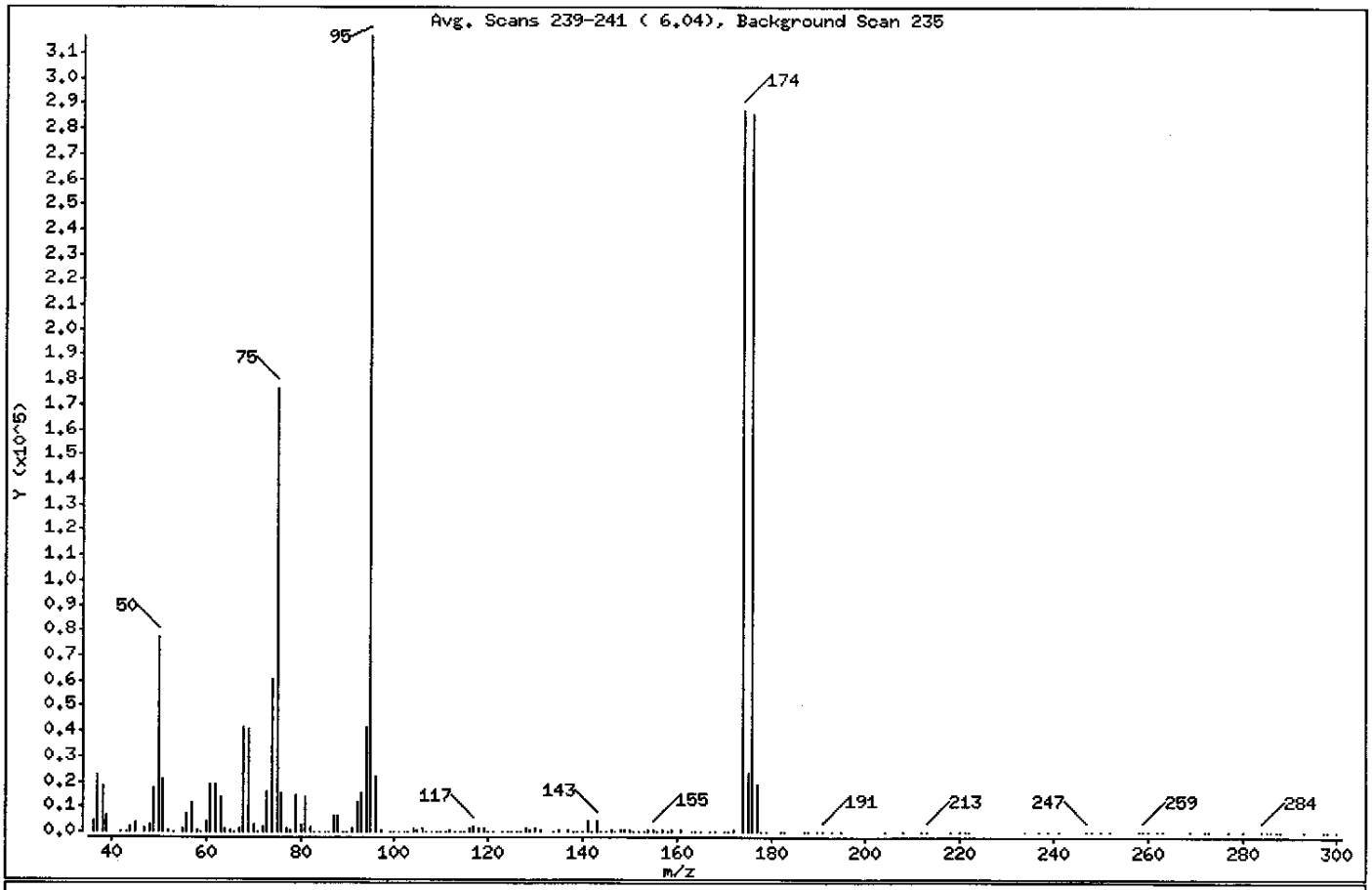
Sample Info: ,BFB2P,BFB2P

Operator: JC

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	24.48
75	30.00 - 66.00% of mass 95	55.70
96	5.00 - 9.00% of mass 95	6.84
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	90.82
175	4.00 - 9.00% of mass 174	7.47 (8.22)
176	93.00 - 101.00% of mass 174	90.30 (99.42)
177	5.00 - 9.00% of mass 176	5.91 (6.55)

COPY

Original Documents Are Included in CSF_____

Signed:_____ Date:_____

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\V2G7900.D

Date : 12-APR-2005 16:21

Client ID: BFB2P

Instrument: V2.i

Sample Info: ,BFB2P,BFB2P

Operator: JC

Column phase: DB-624

Column diameter: 0.25

Data File: V2G7900.D
Spectrum: Avg. Scans 239-241 (6.04), Background Scan 235
Location of Maximum: 95.00
Number of points: 173

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4507	84.00	88	130.00	1433	187.00	24
37.00	22824	85.00	134	131.00	433	188.00	19
38.00	18544	86.00	119	134.00	12	190.00	47
39.00	6333	87.00	6917	135.00	864	191.00	135
42.00	220	88.00	6745	137.00	820	193.00	48
43.00	99	89.00	316	138.00	104	195.00	17
44.00	2272	90.00	97	139.00	152	204.00	41
45.00	3561	91.00	1639	140.00	294	208.00	83
47.00	1350	92.00	11876	141.00	4363	212.00	26
48.00	2558	93.00	15342	142.00	309	213.00	66
49.00	17552	94.00	41648	143.00	4655	218.00	27
50.00	77480	95.00	316544	144.00	240	220.00	31
51.00	21192	96.00	21640	145.00	307	221.00	20
52.00	731	97.00	473	146.00	731	222.00	18
53.00	14	99.00	27	147.00	311	234.00	17
55.00	1467	100.00	110	148.00	834	237.00	36
56.00	7235	101.00	33	149.00	382	239.00	78
57.00	11706	102.00	137	150.00	433	241.00	31
58.00	513	103.00	84	151.00	248	247.00	79
59.00	90	104.00	1706	152.00	152	248.00	25
60.00	4383	105.00	543	153.00	286	250.00	36
61.00	18960	106.00	1561	154.00	384	252.00	33
62.00	18984	107.00	326	155.00	903	258.00	18
63.00	13553	108.00	55	156.00	178	259.00	52
64.00	1573	109.00	70	157.00	492	260.00	20
65.00	419	110.00	317	158.00	60	262.00	24
66.00	27	111.00	252	159.00	544	263.00	41
67.00	1155	112.00	378	161.00	561	269.00	46
68.00	41304	113.00	341	163.00	112	272.00	31
69.00	40592	114.00	342	164.00	85	273.00	34
70.00	2736	115.00	75	165.00	41	277.00	20
71.00	114	116.00	1585	167.00	27	280.00	43
72.00	1969	117.00	2474	168.00	17	284.00	66
73.00	16119	118.00	1450	170.00	205	285.00	63
74.00	60288	119.00	1609	171.00	113	286.00	24

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\V2G7900.D

Date : 12-APR-2005 16:21

Client ID: BFB2P

Instrument: V2.i

Sample Info: ,BFB2P,BFB2P

Operator: JC

Column phase: DB-624

Column diameter: 0.25

Data File: V2G7900.D
Spectrum: Avg. Scans 239-241 (6.04), Background Scan 235
Location of Maximum: 95.00
Number of points: 173

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	176320	120.00	133	172.00	602	287.00	50
76.00	14977	121.00	82	174.00	287488	288.00	28
77.00	1269	123.00	203	175.00	23640	293.00	36
78.00	747	124.00	278	176.00	285824	297.00	17
79.00	14745	125.00	154	177.00	18720	298.00	32
80.00	3236	126.00	148	178.00	300	300.00	19
81.00	13563	127.00	154	179.00	40		
82.00	2537	128.00	1243	182.00	60		
83.00	46	129.00	607	183.00	24		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050412B.B\V2G7900.D

Date : 12-APR-2005 16:21

Client ID: BFB2P

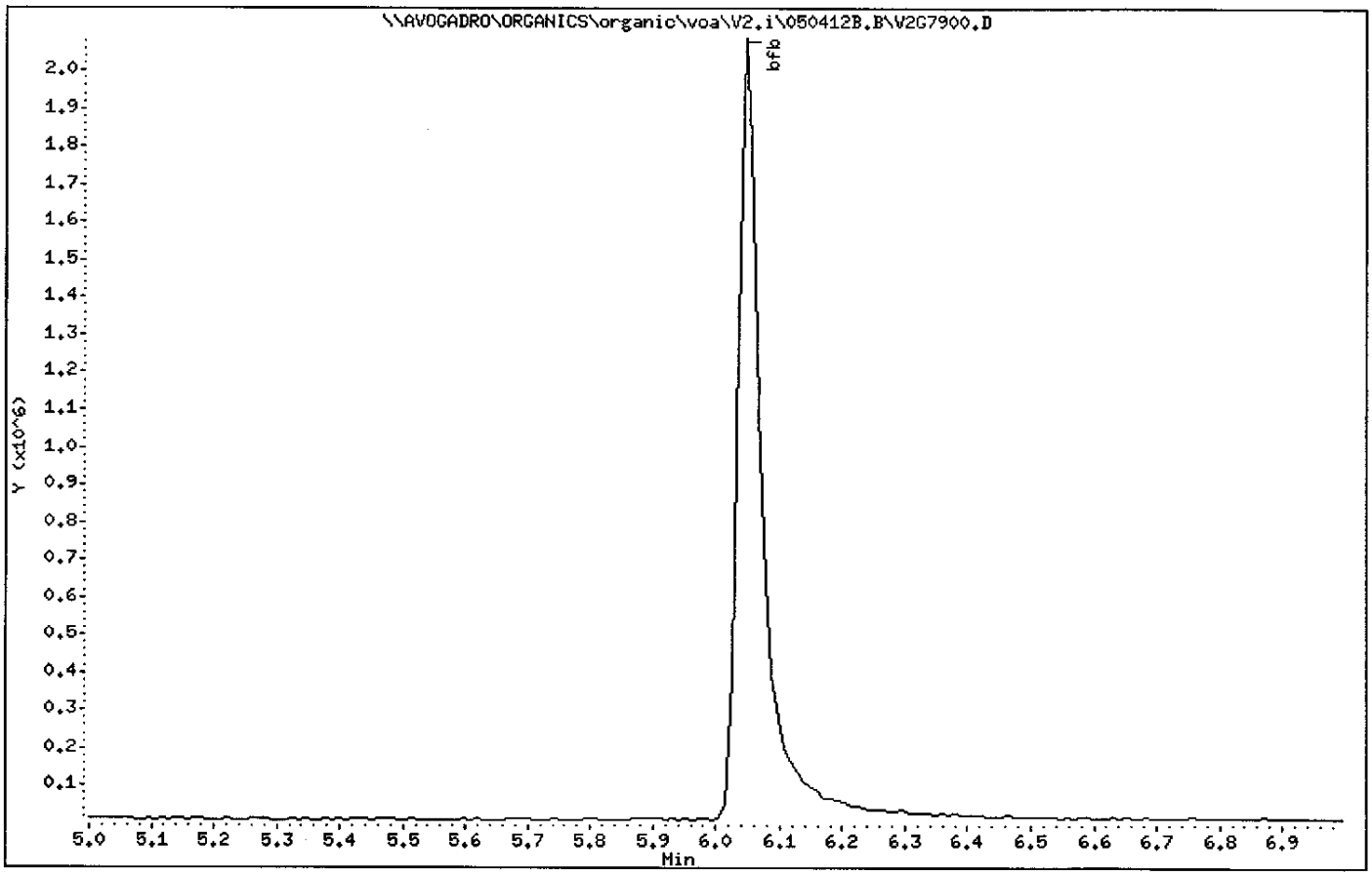
Instrument: V2.i

Sample Info: ,BFB2P,BFB2P

Operator: JC

Column phase: DB-624

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7910.D

Date : 13-APR-2005 10:24

Client ID: BFB2Q

Instrument: V2.i

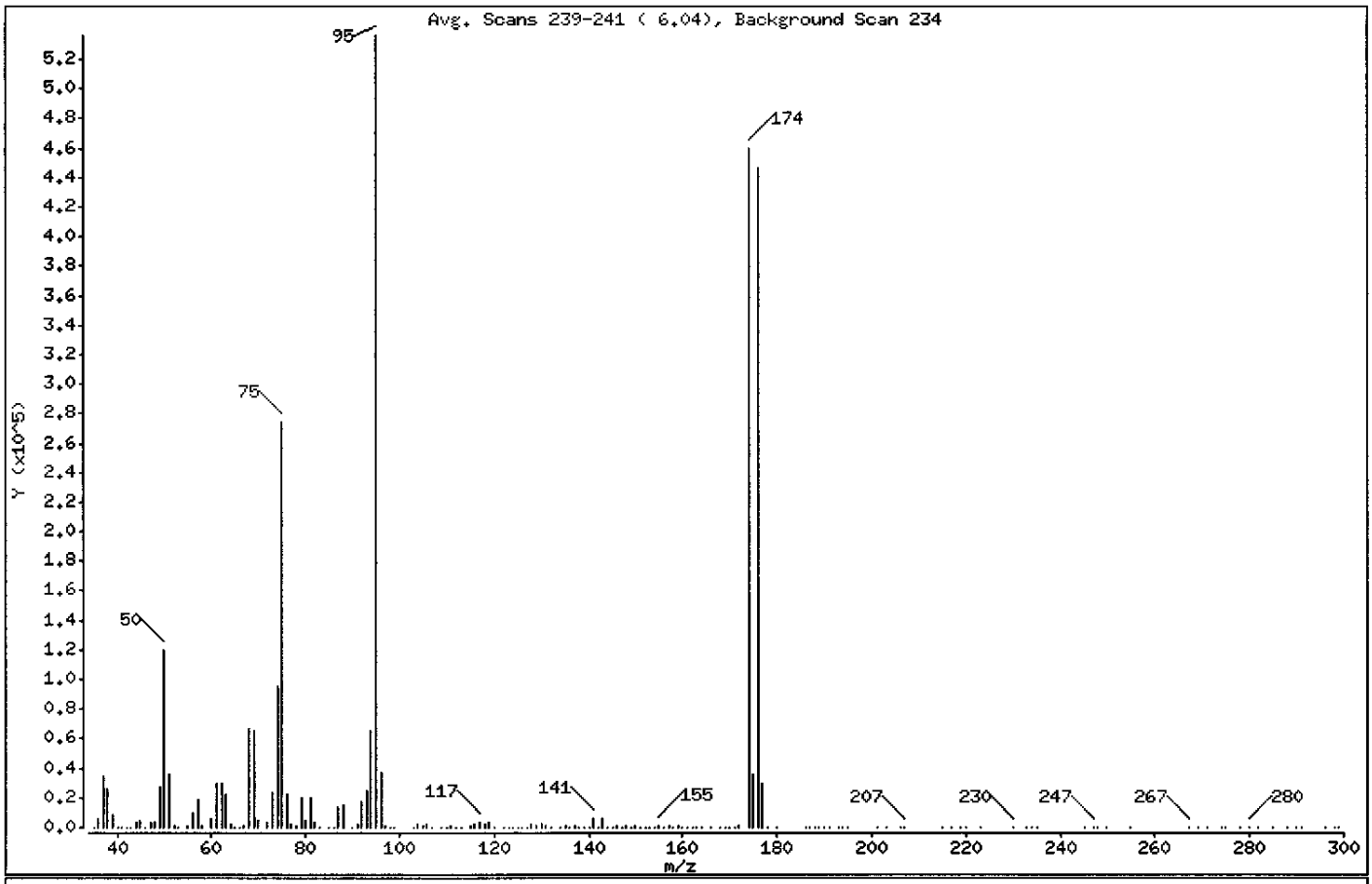
Sample Info: ,BFB2Q,BFB2Q

Operator: JC

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	22.27
75	30.00 - 66.00% of mass 95	51.12
96	5.00 - 9.00% of mass 95	7.01
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	85.72
175	4.00 - 9.00% of mass 174	6.63 (7.74)
176	93.00 - 101.00% of mass 174	83.22 (97.08)
177	5.00 - 9.00% of mass 176	5.58 (6.71)

Date : 13-APR-2005 10:24

Client ID: BFB2Q Instrument: V2.i

Sample Info: ,BFB2Q,BFB2Q

Operator: JC

Column phase: DB-624 Column diameter: 0.25

Data File: V2G7910.D
Spectrum: Avg. Scans 239-241 (6.04), Background Scan 234
Location of Maximum: 95.00
Number of points: 172

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	35	82.00	3556	135.00	1233	188.00	35
36.00	6558	83.00	367	136.00	58	189.00	23
37.00	34816	85.00	147	137.00	714	190.00	72
38.00	26512	86.00	16	138.00	162	191.00	32
39.00	8675	87.00	14179	139.00	224	193.00	16
40.00	382	88.00	14538	140.00	616	194.00	38
41.00	190	90.00	76	141.00	6093	195.00	27
42.00	230	91.00	2468	142.00	575	201.00	25
43.00	332	92.00	16912	143.00	5661	203.00	102
44.00	4179	93.00	25088	144.00	409	206.00	41
45.00	5254	94.00	65480	145.00	292	207.00	304
46.00	434	95.00	536192	146.00	910	215.00	18
47.00	3303	96.00	37568	147.00	389	217.00	55
48.00	4202	97.00	758	148.00	1290	219.00	40
49.00	27488	98.00	22	149.00	498	220.00	24
50.00	119400	99.00	25	150.00	702	223.00	2
51.00	36056	103.00	254	151.00	51	230.00	56
52.00	1138	104.00	2557	152.00	201	233.00	34
53.00	91	105.00	706	153.00	398	234.00	28
55.00	1542	106.00	2728	154.00	355	235.00	42
56.00	10190	107.00	412	155.00	1403	245.00	20
57.00	18408	109.00	70	156.00	156	247.00	97
58.00	1049	110.00	372	157.00	893	248.00	63
60.00	6391	111.00	683	158.00	178	250.00	29
61.00	29680	112.00	478	159.00	853	255.00	39
62.00	29096	113.00	454	160.00	19	267.00	71
63.00	21808	115.00	637	161.00	564	269.00	9
64.00	2007	116.00	2182	162.00	91	271.00	44
65.00	563	117.00	3614	163.00	35	274.00	21
66.00	128	118.00	1969	164.00	29	275.00	48
67.00	1373	119.00	3109	166.00	47	278.00	47
68.00	66288	120.00	133	168.00	151	280.00	175
69.00	65288	122.00	56	169.00	18	282.00	23
70.00	4828	123.00	69	170.00	403	285.00	11
72.00	3375	124.00	410	171.00	67	288.00	36

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7910.D

Date : 13-APR-2005 10:24

Client ID: BFB2Q

Instrument: V2.i

Sample Info: ,BFB2Q,BFB2Q

Operator: JC

Column phase: DB-624

Column diameter: 0.25

Data File: V2G7910.D
Spectrum: Avg. Scans 239-241 (6.04), Background Scan 234
Location of Maximum: 95.00
Number of points: 172

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	23648	125.00	165	172.00	1158	290.00	23
74.00	95744	126.00	328	174.00	459648	291.00	18
75.00	274112	127.00	110	175.00	35560	296.00	28
76.00	22752	128.00	2019	176.00	446208	298.00	24
77.00	2120	129.00	888	177.00	29944	299.00	42
78.00	1690	130.00	1882	178.00	408		
79.00	20104	131.00	1077	180.00	94		
80.00	4642	132.00	63	186.00	53		
81.00	20304	134.00	69	187.00	51		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7910.D

Date : 13-APR-2005 10:24

Client ID: BFB2Q

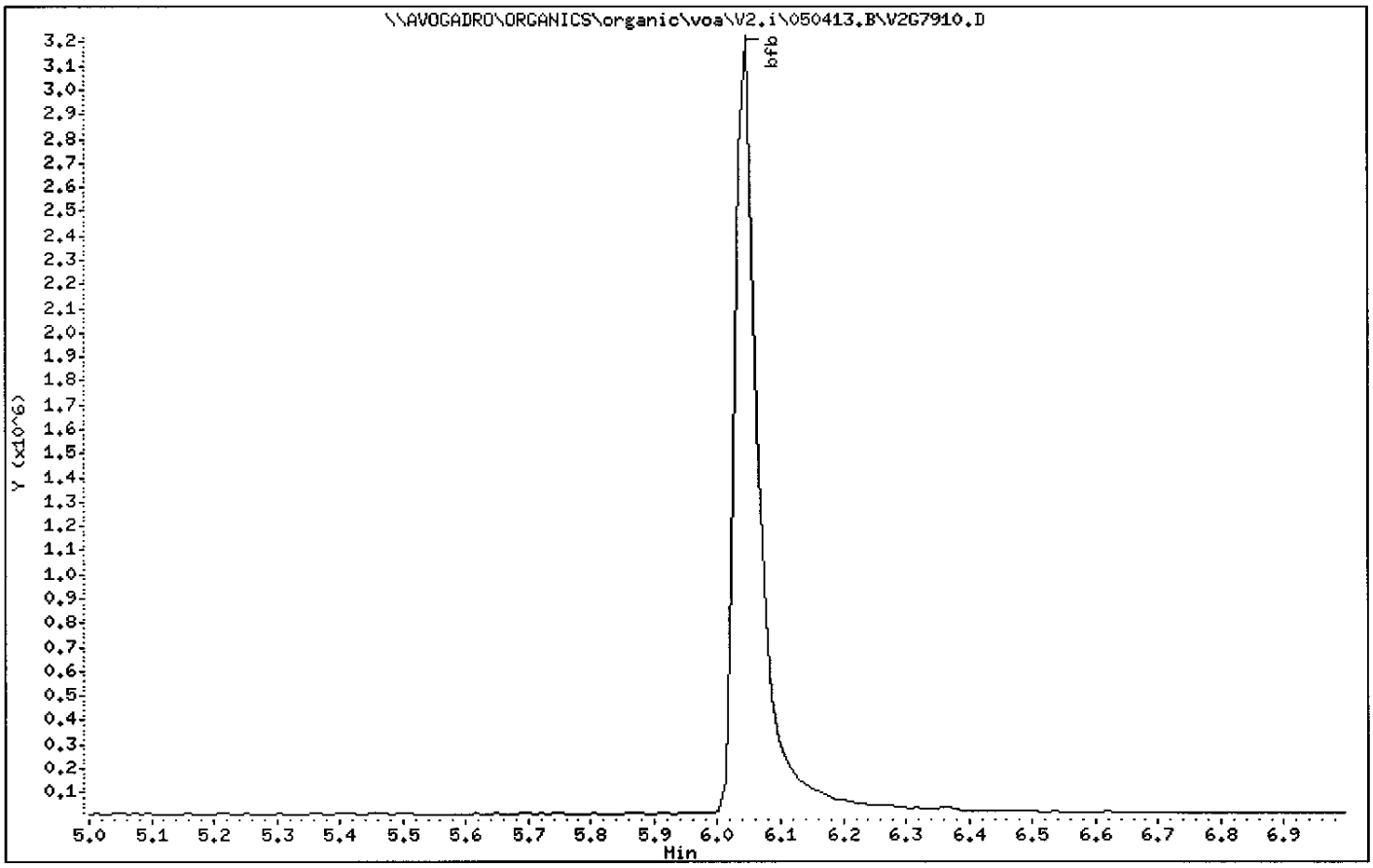
Instrument: V2.i

Sample Info: ,BFB2Q,BFB2Q

Operator: JC

Column phase: DB-624

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7920.D

Date : 14-APR-2005 10:40

Client ID: BFB2T

Instrument: V2.i

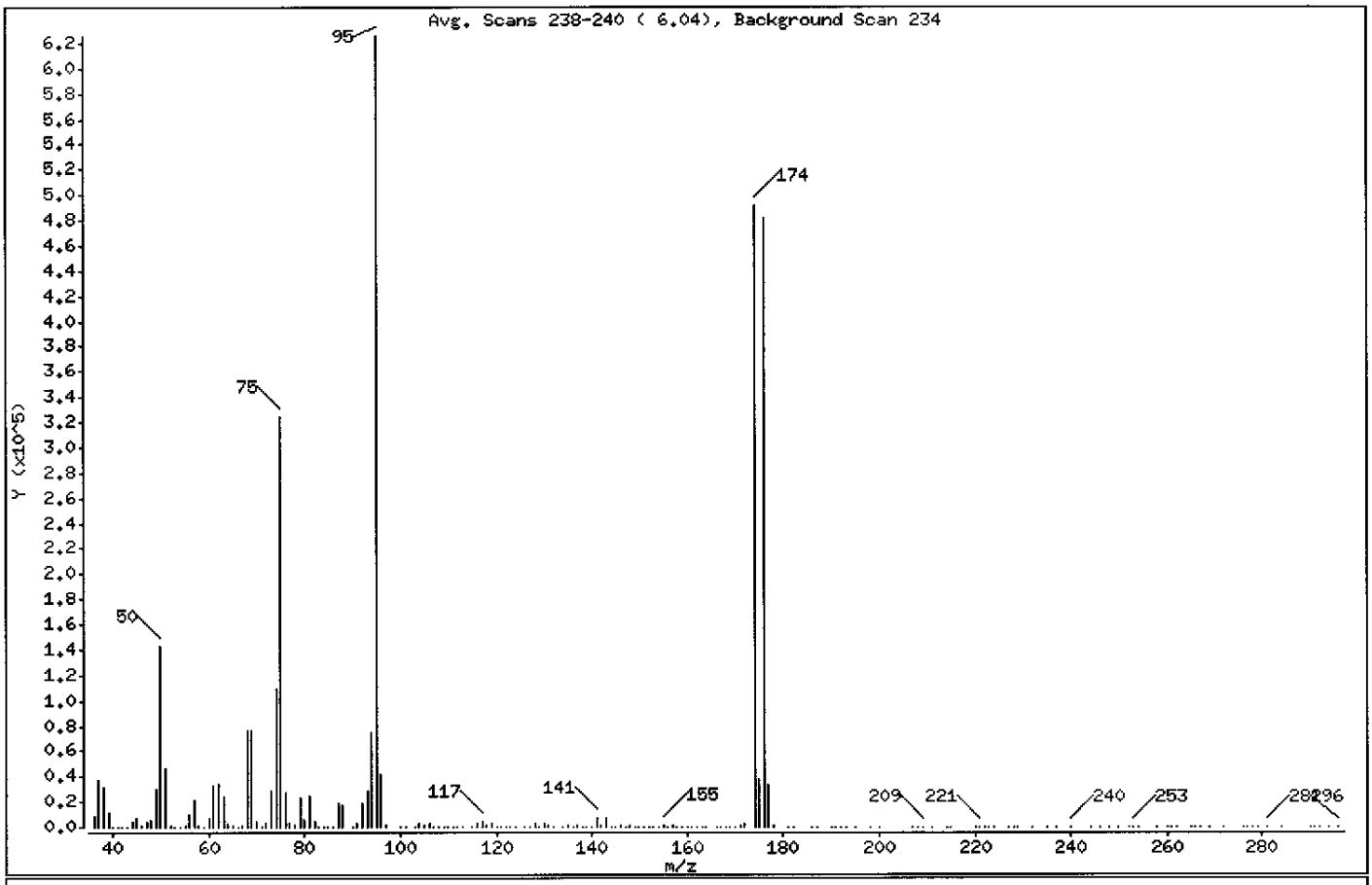
Sample Info: ,BFB2T,BFB2T

Operator: JC

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	22.78
75	30.00 - 66.00% of mass 95	51.77
96	5.00 - 9.00% of mass 95	6.78
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	78.62
175	4.00 - 9.00% of mass 174	6.07 (7.72)
176	93.00 - 101.00% of mass 174	76.96 (97.89)
177	5.00 - 9.00% of mass 176	5.23 (6.80)

Date : 14-APR-2005 10:40

Client ID: BFB2T Instrument: V2.i

Sample Info: ,BFB2T,BFB2T

Operator: JC

Column phase: DB-624 Column diameter: 0.25

Data File: V2G7920.D
Spectrum: Avg. Scans 238-240 (6.04), Background Scan 234
Location of Maximum: 95.00
Number of points: 190

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	8338	84.00	255	139.00	304	200.00	26
37.00	37744	85.00	110	140.00	316	207.00	27
38.00	31440	86.00	378	141.00	7387	208.00	96
39.00	11547	87.00	18088	142.00	1187	209.00	243
40.00	455	88.00	17072	143.00	6559	211.00	29
41.00	126	90.00	83	144.00	70	214.00	46
42.00	136	91.00	2687	145.00	628	215.00	6
43.00	369	92.00	19048	146.00	894	220.00	37
44.00	5020	93.00	29504	147.00	422	221.00	51
45.00	6940	94.00	74944	148.00	1274	222.00	4
46.00	722	95.00	625664	149.00	522	223.00	34
47.00	4206	96.00	42400	150.00	603	224.00	27
48.00	5295	97.00	1270	151.00	58	227.00	32
49.00	30696	100.00	23	152.00	598	228.00	38
50.00	142528	101.00	48	153.00	182	229.00	35
51.00	46056	103.00	466	154.00	301	232.00	32
52.00	1519	104.00	3356	155.00	1682	235.00	21
53.00	289	105.00	1026	156.00	239	237.00	29
54.00	94	106.00	3090	157.00	1070	240.00	62
55.00	1879	107.00	690	158.00	698	244.00	2
56.00	10093	108.00	72	159.00	526	246.00	47
57.00	21712	109.00	128	160.00	102	248.00	35
58.00	948	110.00	224	161.00	566	250.00	62
59.00	97	111.00	342	162.00	35	252.00	24
60.00	7111	112.00	481	163.00	31	253.00	110
61.00	33816	113.00	632	164.00	53	254.00	76
62.00	33928	115.00	653	166.00	69	258.00	19
63.00	24536	116.00	2542	167.00	108	260.00	24
64.00	2561	117.00	4269	168.00	49	261.00	38
65.00	1688	118.00	1854	169.00	121	262.00	25
66.00	282	119.00	3587	170.00	231	265.00	50
67.00	1287	120.00	30	171.00	745	266.00	50
68.00	76504	121.00	55	172.00	2252	267.00	72
69.00	76376	122.00	16	174.00	491904	269.00	22
70.00	4887	123.00	572	175.00	37976	272.00	57

Date : 14-APR-2005 10:40

Client ID: BFB2T Instrument: V2.i

Sample Info: ,BFB2T,BFB2T

Operator: JC

Column phase: DB-624 Column diameter: 0.25

Data File: V2G7920.D
Spectrum: Avg. Scans 238-240 (6.04), Background Scan 234
Location of Maximum: 95.00
Number of points: 190

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	215	124.00	326	176.00	481536	276.00	22
72.00	3121	126.00	296	177.00	32736	277.00	17
73.00	28496	127.00	407	178.00	1081	278.00	43
74.00	109960	128.00	3170	181.00	20	279.00	71
75.00	323904	129.00	601	182.00	84	281.00	162
76.00	27336	130.00	2234	186.00	28	284.00	42
77.00	2669	131.00	896	187.00	32	290.00	18
78.00	1803	132.00	182	190.00	106	291.00	21
79.00	23024	134.00	565	191.00	85	292.00	31
80.00	5644	135.00	743	192.00	77	294.00	36
81.00	24592	136.00	186	193.00	121	296.00	46
82.00	4608	137.00	958	195.00	33		
83.00	354	138.00	126	198.00	43		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7920.D

Date : 14-APR-2005 10:40

Client ID: BFB2T

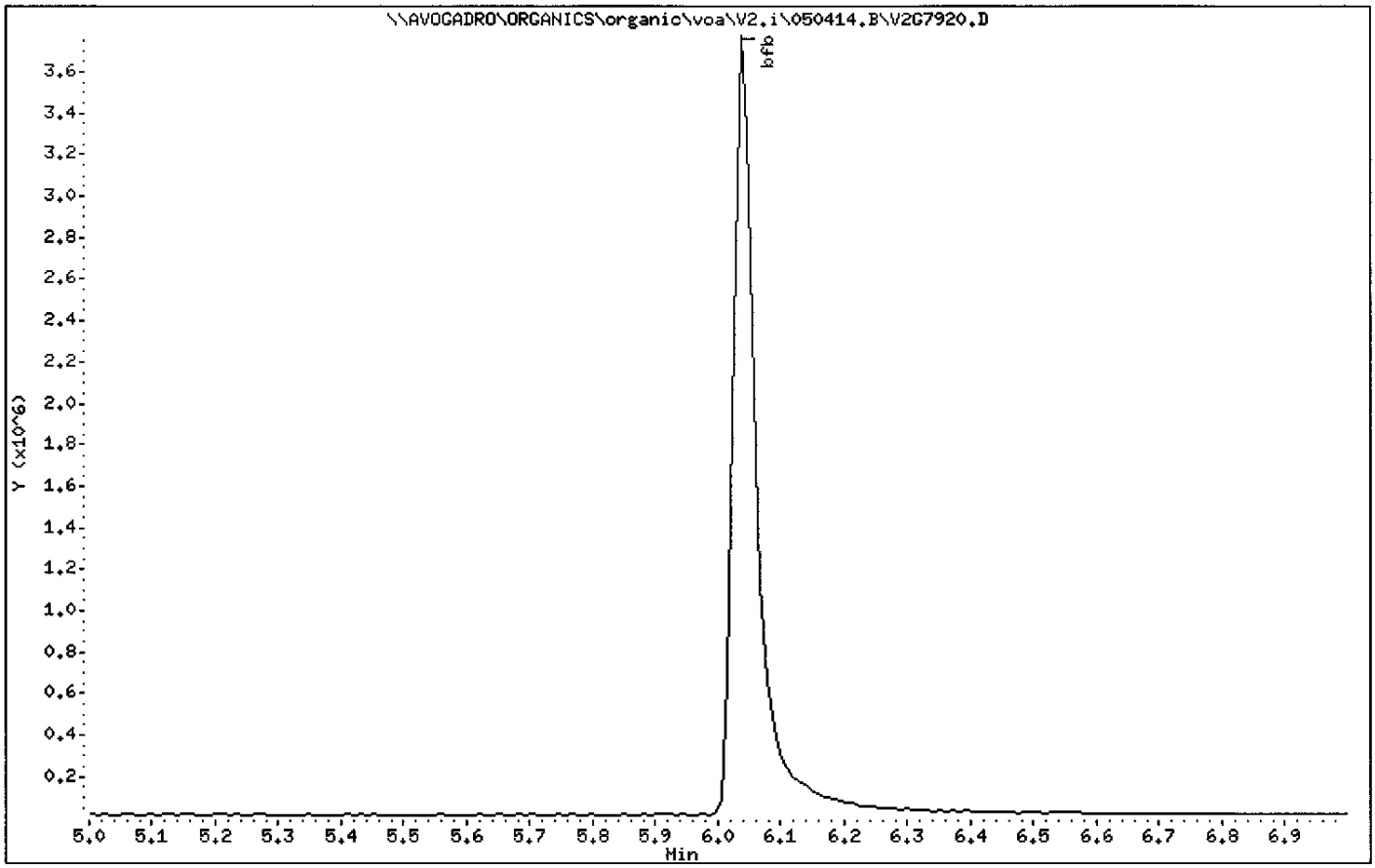
Instrument: V2.i

Sample Info: ,BFB2T,BFB2T

Operator: JC

Column phase: DB-624

Column diameter: 0.25



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: MB-17654

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7914

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: MB-17654

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7914

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK2Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: MB-17654

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7914

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/13/05

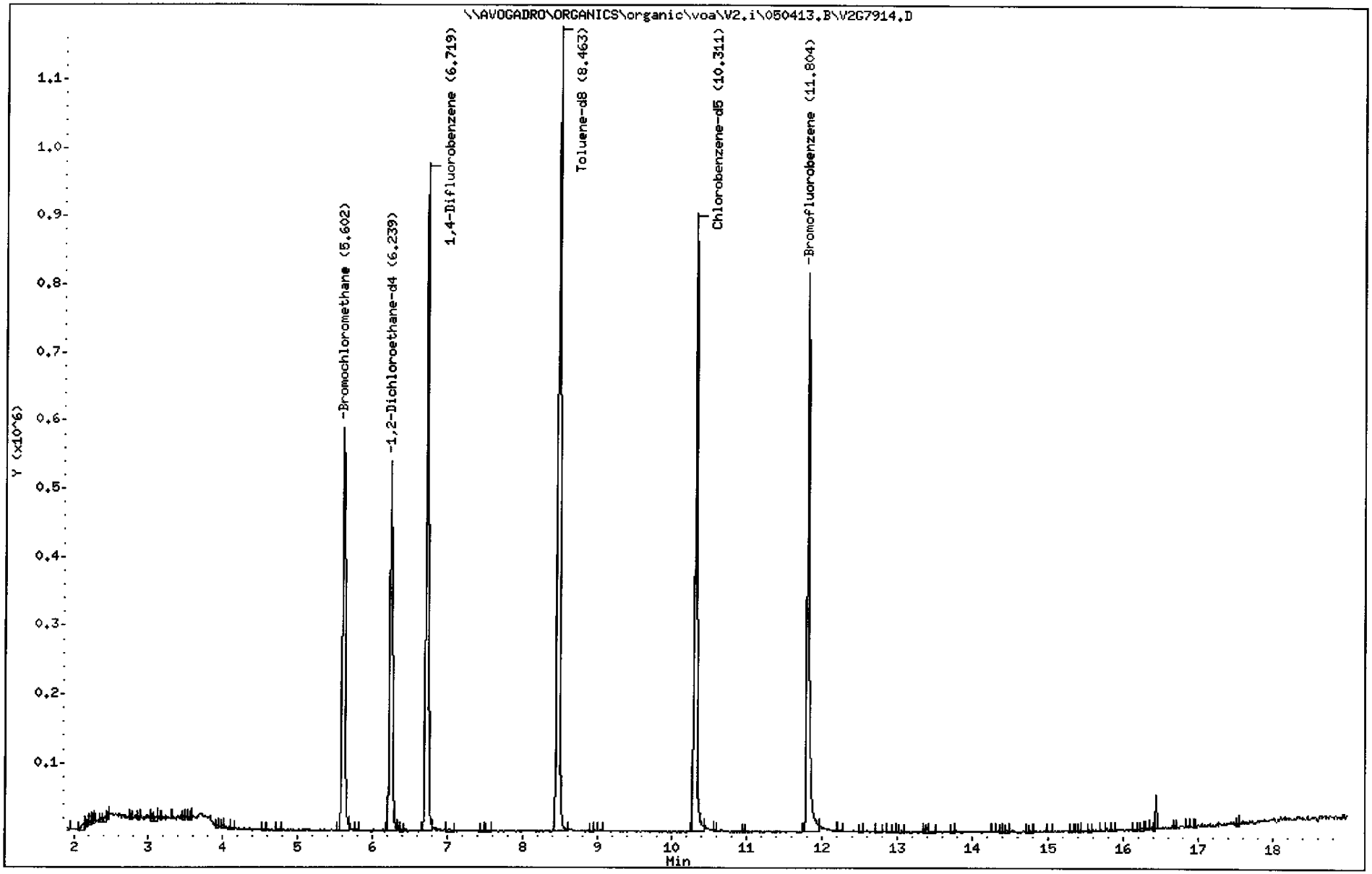
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7914.D
Date : 13-APR-2005 12:46
Client ID: VBLK2Q
Instrument: V2.i
Sample Info: ,MB-17654,VBLK2Q,17654
Purge Volume: 5.0
Operator: JC SRC: JC
Column phase: DB-624
Column diameter: 0.25



0209

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7914.D
Report Date: 03-May-2005 11:47

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7914.D
Lab Smp Id: MB-17654 Client Smp ID: VBLK2Q
Inj Date : 13-APR-2005 12:46
Operator : JC SRC: JC Inst ID: V2.i
Smp Info : ,MB-17654,VBLK2Q,17654
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D ✓
Als bottle: 4 QC Sample: BLANK ✓
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 18 Bromochloromethane	128	5.602	5.602	(1.000)	191400	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.239	6.239	(1.114)	539268	52.0034	52
* 26 1,4-Difluorobenzene	114	6.719	6.719	(1.000)	866450	50.0000	
$ 33 Toluene-d8	98	8.463	8.463	(0.821)	865907	49.0132	49
* 42 Chlorobenzene-d5	117	10.311	10.322	(1.000)	636593	50.0000	
$ 50 Bromofluorobenzene	95	11.804	11.804	(1.145)	352181	49.6727	50

5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7914.D
Report Date: 03-May-2005 11:47

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7914.D
Lab Smp Id: MB-17654 Client Smp ID: VBLK2Q
Inj Date : 13-APR-2005 12:46
Operator : JC SRC: JC Inst ID: V2.i
Smp Info : ,MB-17654,VBLK2Q,17654
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: MB-17666

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7923

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: MB-17666

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7923

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK2T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: MB-17666

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7923

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/14/05

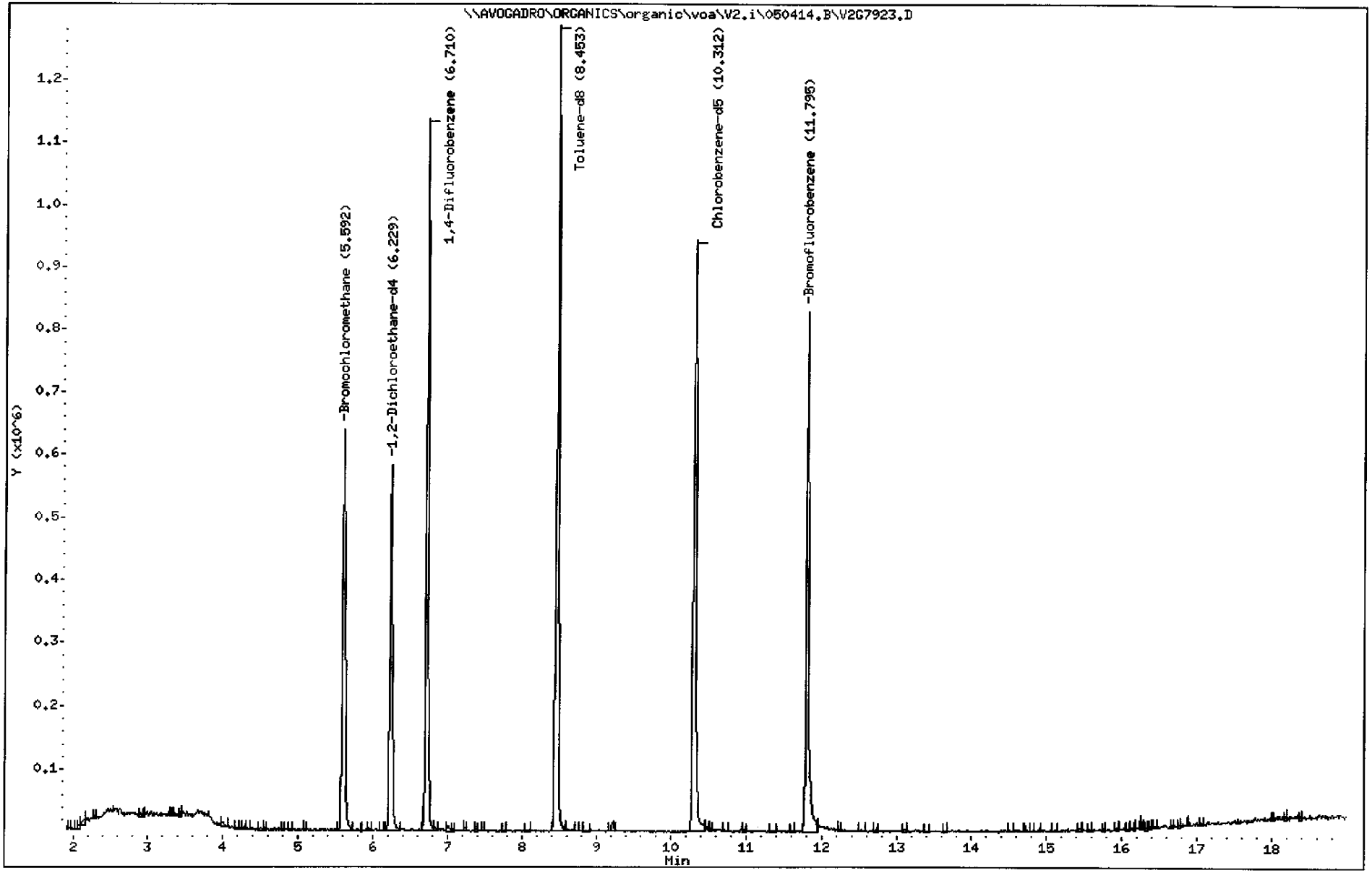
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 ~~17666.0~~ 5/3/05

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7923.D
Date : 14-APR-2005 12:41
Client ID: VBLK2T
Instrument: V2.i
Sample Info: ,MB-17666,VBLK2T,,17666
Purge Volume: 5.0
Operator: JC SRC: JC
Column phase: DB-624
Column diameter: 0.25



0215

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7923.D
Report Date: 03-May-2005 14:08

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7923.D
Lab Smp Id: MB-17666 Client Smp ID: VBLK2T
Inj Date : 14-APR-2005 12:41
Operator : JC SRC: JC Inst ID: V2.i
Smp Info : ,MB-17666,VBLK2T,,17666
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 18 Bromochloromethane	128	5.603	5.593	(1.000)	217434	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.229	6.230	(1.112)	586356	52.9181	53
* 26 1,4-Difluorobenzene	114	6.710	6.710	(1.000)	981358	50.0000	
$ 33 Toluene-d8	98	8.453	8.454	(0.820)	948393	52.6261	53
* 42 Chlorobenzene-d5	117	10.312	10.312	(1.000)	692593	50.0000	
$ 50 Bromofluorobenzene	95	11.795	11.795	(1.144)	370087	47.9834	48

SB
5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7923.D
Report Date: 03-May-2005 12:04

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7923.D
Lab Smp Id: MB-17666 Client Smp ID: VBLK2T
Inj Date : 14-APR-2005 12:41
Operator : JC SRC: JC Inst ID: V2.i
Smp Info : ,MB-17666,VBLK2T,,17666
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 17666.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK2T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: VHBLK2T

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7932

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK2T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: VHBLK2T

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7932

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK2T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: VHBLK2T

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7932

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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26.					
27.					
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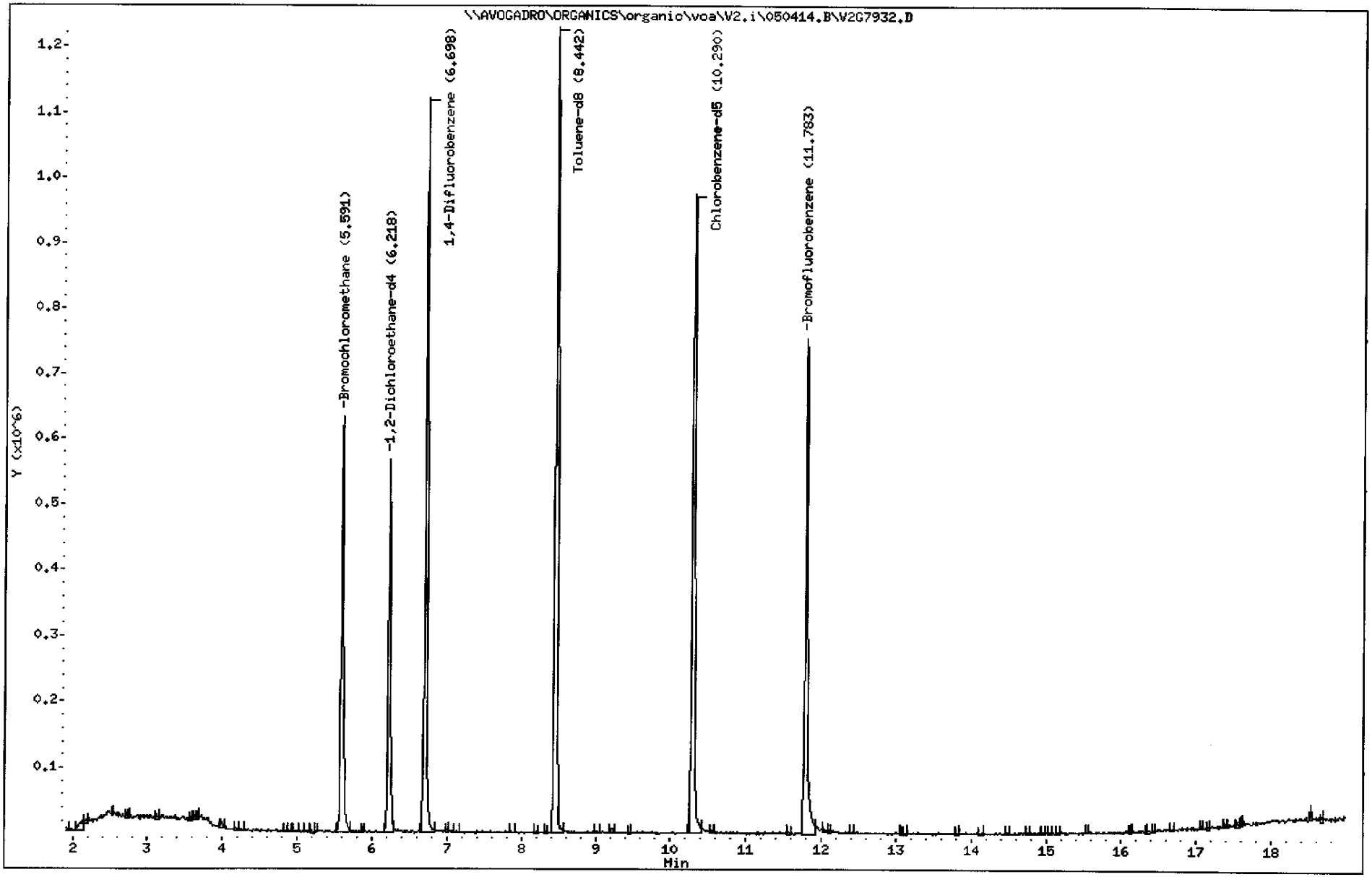
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7932.D
Date : 14-APR-2005 17:18
Client ID: VHBLK2T
Instrument: V2.i
Sample Info: ,VHBLK2T,VHBLK2T
Purge Volume: 5.0
Operator: JC SRC: JC
Column phase: DB-624
Column diameter: 0.25



0221

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7932.D
Report Date: 03-May-2005 12:04

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7932.D
Lab Smp Id: VHBLK2T Client Smp ID: VHBLK2T
Inj Date : 14-APR-2005 17:18
Operator : JC SRC: JC Inst ID: V2.i
Smp Info : ,VHBLK2T,VHBLK2T
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D ✓
Als bottle: 12 QC Sample: STORAGEBLANK ✓
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	5.591	5.593	(1.000)	209057	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.218	6.230	(1.112)	550849	51.7056	52
* 26 1,4-Difluorobenzene	114	6.698	6.710	(1.000)	947694	50.0000	
$ 33 Toluene-d8	98	8.442	8.454	(0.820)	910591	50.9161	51
* 42 Chlorobenzene-d5	117	10.300	10.312	(1.000)	687320	50.0000	
$ 50 Bromofluorobenzene	95	11.783	11.795	(1.144)	350850	45.8382	46

SB
5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7932.D
Report Date: 03-May-2005 12:04

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7932.D
Lab Smp Id: VHBLK2T Client Smp ID: VHBLK2T
Inj Date : 14-APR-2005 17:18
Operator : JC SRC: JC Inst ID: V2.i
Smp Info : ,VHBLK2T,VHBLK2T
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D
Als bottle: 12 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2QLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: LCS-17654

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7915

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	57	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	58	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2QLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: LCS-17654

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7915

Level: (low/med) LOW Date Received: _____

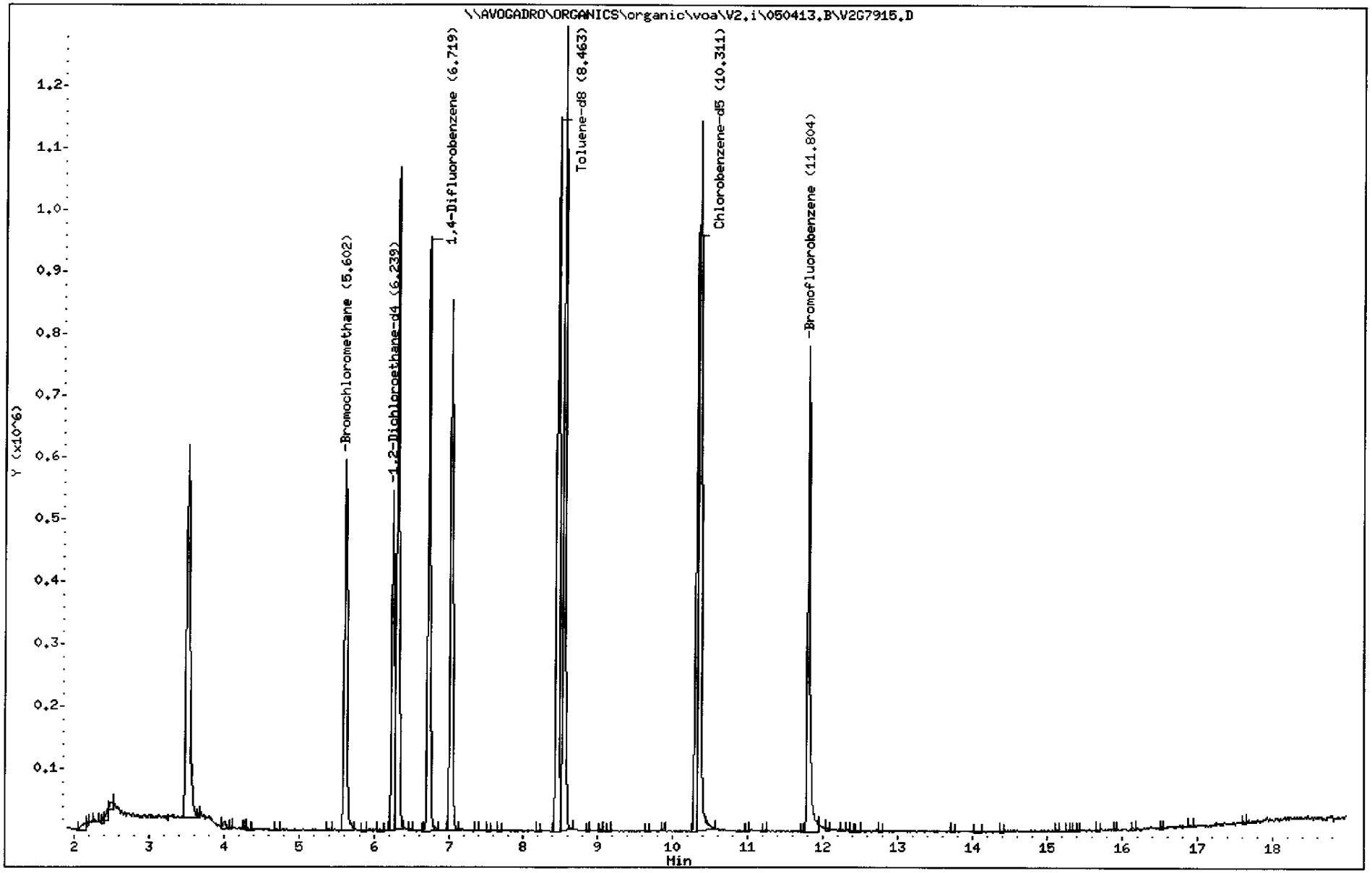
% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	59	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	59	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	60	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7915.D
Date : 13-APR-2005 13:24
Client ID: V2QLCS
Instrument: V2.i
Sample Info: ,LCS-17654,V2QLCS,17654
Purge Volume: 5.0
Operator: JC SRC: JC
Column phase: DB-624
Column diameter: 0.25



0226

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7915.D
Report Date: 03-May-2005 11:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7915.D
Lab Smp Id: LCS-17654 Client Smp ID: V2QLCS
Inj Date : 13-APR-2005 13:24
Operator : JC SRC: JC Inst ID: V2.i
Smp Info : ,LCS-17654,V2QLCS,17654
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D ✓
Als bottle: 5 QC Sample: LCS ✓
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	7 1,1-Dichloroethene	96	3.503	3.514	(0.625)	345942	56.9185	57
*	18 Bromochloromethane	128	5.602	5.602	(1.000)	190595	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.239	6.239	(1.114)	537689	52.0701	52
	25 Benzene	78	6.302	6.301	(0.938)	1054542	58.0223	58
*	26 1,4-Difluorobenzene	114	6.719	6.719	(1.000)	865559	50.0000	
	27 Trichloroethene	130	7.022	7.022	(1.045)	327997	58.8238	59
$	33 Toluene-d8	98	8.463	8.463	(0.821)	862241	47.9220	48
	34 Toluene	91	8.547	8.547	(0.829)	1115938	58.9561	59
*	42 Chlorobenzene-d5	117	10.311	10.322	(1.000)	648332	50.0000	
	43 Chlorobenzene	112	10.353	10.353	(1.004)	729424	59.5123	60
$	50 Bromofluorobenzene	95	11.804	11.804	(1.145)	341937	47.3546	47

SB 5/3/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2TLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: LCS-17666

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7924

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	55	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	53	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2TLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: LCS-17666

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7924

Level: (low/med) LOW Date Received: _____

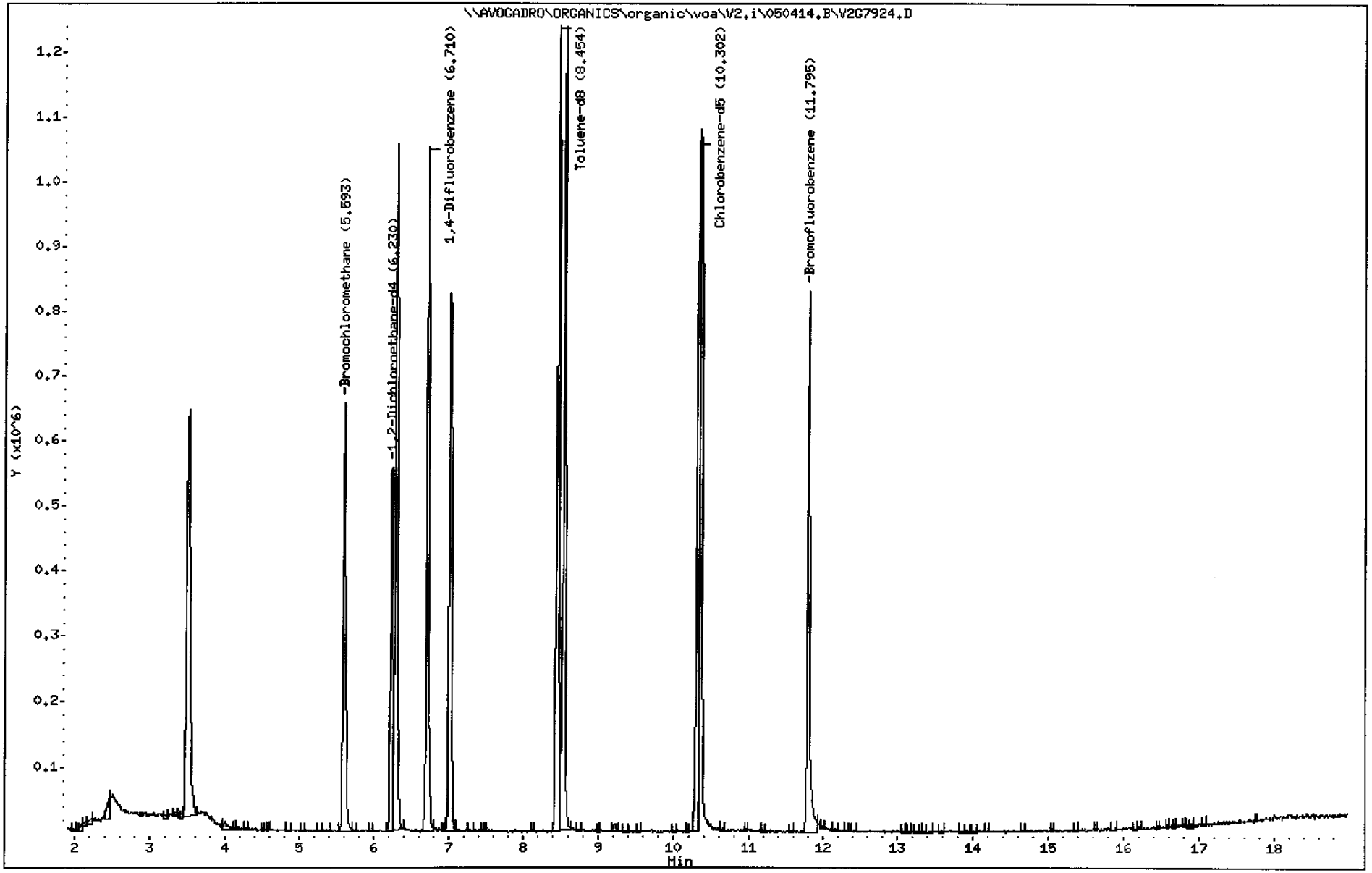
% Moisture: not dec. _____ Date Analyzed: 04/14/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	51	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	53	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	54	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

Data File: \\AVOCADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7924.D
Date : 14-APR-2005 13:27
Client ID: V2TLCS
Instrument: V2.i
Sample Info: ,LCS-17666,V2TLCS,,17666
Purge Volume: 5.0
Operator: JC SRC: JC
Column phase: DB-624
Column diameter: 0.25



0230

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7924.D
Report Date: 03-May-2005 14:09

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\V2G7924.D
Lab Smp Id: LCS-17666 Client Smp ID: V2TLCS
Inj Date : 14-APR-2005 13:27
Operator : JC SRC: JC Inst ID: V2.i
Smp Info : ,LCS-17666,V2TLCS,,17666
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050414.B\v2clp4S.m
Meth Date : 03-May-2005 11:59 mtl Quant Type: ISTD
Cal Date : 14-APR-2005 12:02 Cal File: V2G7922.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	7 1,1-Dichloroethene	96	3.494	3.504	(0.625)	360046	54.8326	55
*	18 Bromochloromethane	128	5.593	5.593	(1.000)	206086	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.219	6.230	(1.112)	562887	53.5973	54
	25 Benzene	78	6.293	6.292	(0.938)	1053585	53.3751	53
*	26 1,4-Difluorobenzene	114	6.710	6.710	(1.000)	962738	50.0000	
	27 Trichloroethene	130	7.013	7.013	(1.045)	308071	50.5845	51
$	33 Toluene-d8	98	8.454	8.454	(0.821)	933199	51.9818	52
	34 Toluene	91	8.537	8.537	(0.829)	1062850	53.1618	53
*	42 Chlorobenzene-d5	117	10.302	10.312	(1.000)	689943	50.0000	
	43 Chlorobenzene	112	10.344	10.344	(1.004)	693951	53.6238	54
$	50 Bromofluorobenzene	95	11.795	11.795	(1.145)	349414	45.4771	45

SB 5/3/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR311326MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01AMS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7918

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	310	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	85	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	13	
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	4	J
156-59-2	cis-1,2-Dichloroethene	1600	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	45	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR311326MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01AMS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7918

Level: (low/med) LOW Date Received: 04/08/05

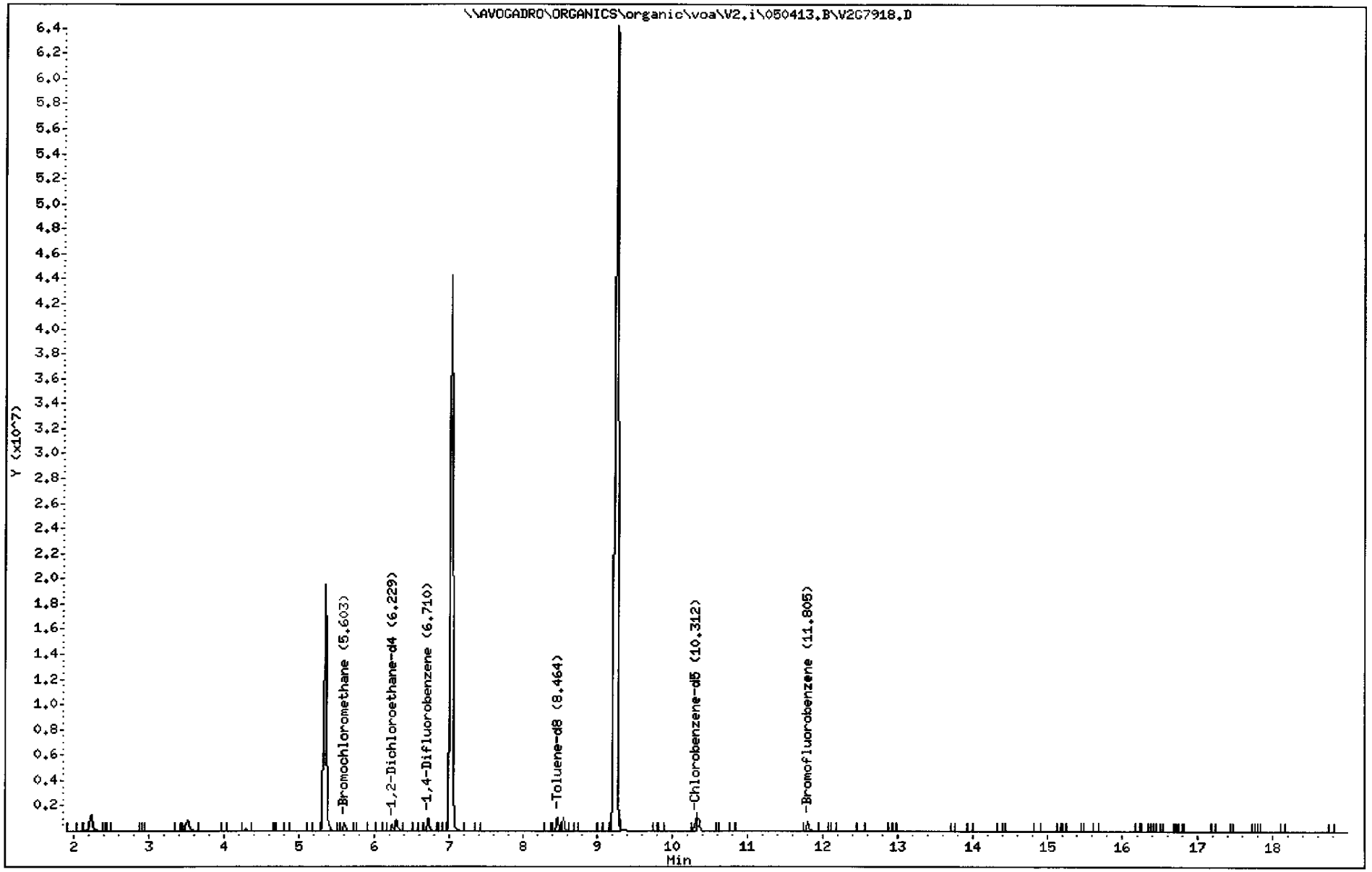
% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	2900	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	47	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	5200	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	47	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7918.D
Date : 13-APR-2005 15:03
Client ID: BR311326MS
Instrument: V2.i
Sample Info: ,D0410-01AMS,,17654
Purge Volume: 5.0
Operator: JC SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



0234

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7918.D
Report Date: 03-May-2005 11:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7918.D
Lab Smp Id: D0410-01AMS Client Smp ID: BR311326MS
Inj Date : 13-APR-2005 15:03
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-01AMS,,17654
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D✓
Als bottle: 8 QC Sample: MS✓
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	3 Vinyl Chloride	62	2.220	2.219	(0.396)	2041528	312.281	310(A)
	7 1,1-Dichloroethene	96	3.515	3.514	(0.627)	500375	85.0884	85(R)
	13 trans-1,2-Dichloroethene	96	4.277	4.286	(0.763)	83248	13.0409	13
	15 1,1-Dichloroethane	63	4.715	4.725	(0.842)	37718	3.50760	4(a)
	17 cis-1,2-Dichloroethene	96	5.342	5.351	(0.953)	9254957	1583.35	1600(A)
*	18 Bromochloromethane	128	5.603	5.602	(1.000)	184411	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.229	6.239	(1.112)	493625	49.4060	49
	25 Benzene	78	6.292	6.301	(0.936)	816185	45.1985	45
*	26 1,4-Difluorobenzene	114	6.720	6.719	(1.000)	859988	50.0000	
	27 Trichloroethene	130	7.023	7.022	(1.045)	16011255	2890.10	2900(AR)
$	33 Toluene-d8	98	8.464	8.463	(0.821)	818813	46.2222	46
	34 Toluene	91	8.547	8.547	(0.829)	879994	47.2201	47
	37 Tetrachloroethene	164	9.237	9.236	(0.896)	20978739	5152.81	5200(A)
*	42 Chlorobenzene-d5	117	10.312	10.322	(1.000)	638320	50.0000	
	43 Chlorobenzene	112	10.354	10.353	(1.004)	564287	46.7612	47
$	50 Bromofluorobenzene	95	11.805	11.804	(1.145)	344273	48.4260	48

SB 5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7918.D
Report Date: 03-May-2005 11:48

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR311326MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01AMSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7919

Level: (low/med) LOW Date Received: 04/08/05

% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	320	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	100	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	12	
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	3	J
156-59-2	cis-1,2-Dichloroethene	1600	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	61	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BR311326MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0410

Matrix: (soil/water) WATER Lab Sample ID: D0410-01AMSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2G7919

Level: (low/med) LOW Date Received: 04/08/05

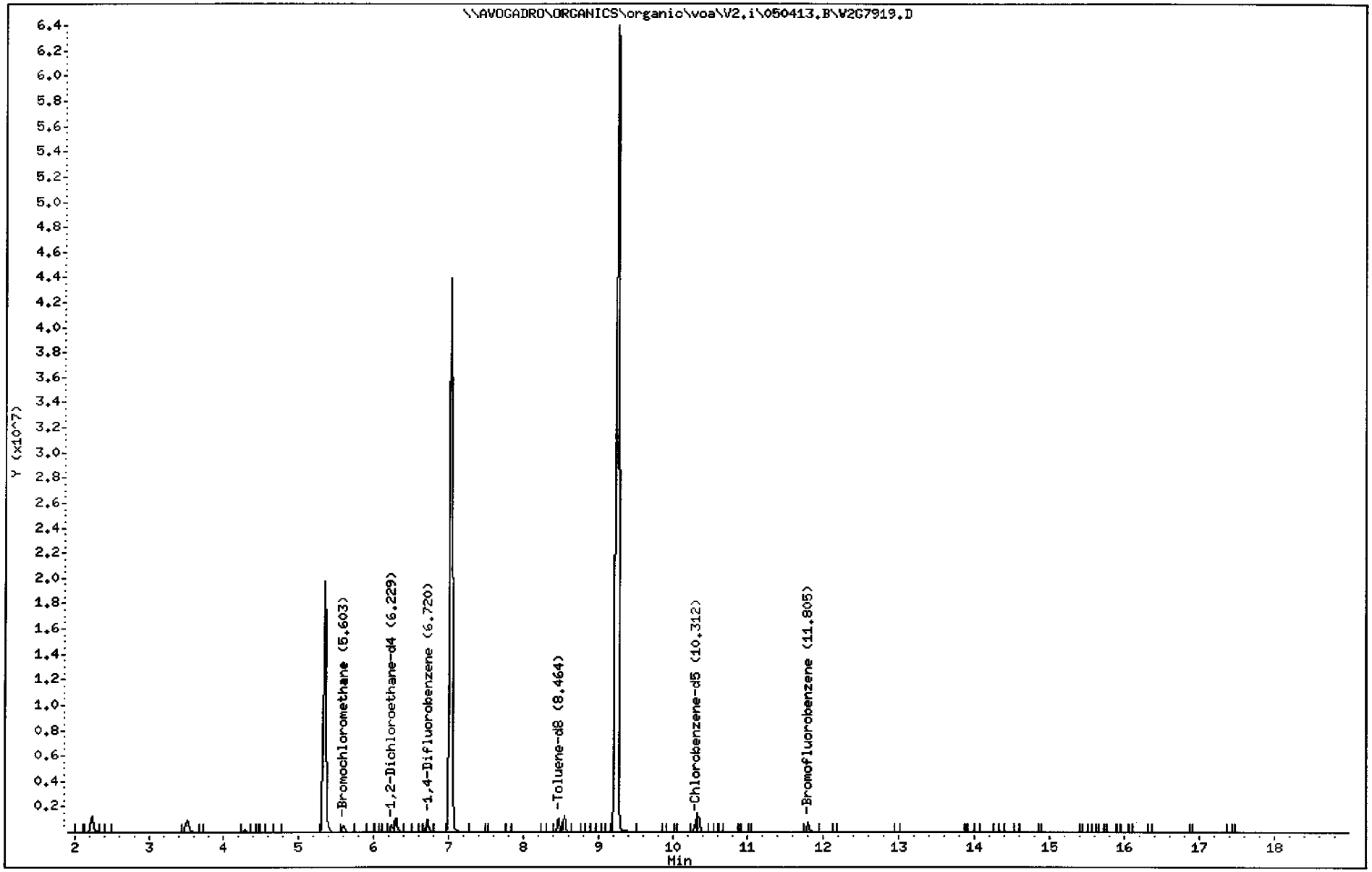
% Moisture: not dec. _____ Date Analyzed: 04/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	2900	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	62	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	5100	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	63	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7919.D
Date : 13-APR-2005 15:28
Client ID: BR311326MSD
Instrument: V2.i
Sample Info: ,D0410-01AMSD,,17654
Purge Volume: 5.0
Operator: JC SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7919.D
Report Date: 03-May-2005 11:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7919.D
Lab Smp Id: D0410-01AMSD Client Smp ID: BR311326MSD
Inj Date : 13-APR-2005 15:28
Operator : JC SRC: LIMS Inst ID: V2.i
Smp Info : ,D0410-01AMSD,,17654
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\v2clp4S.m
Meth Date : 03-May-2005 11:40 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 10:46 Cal File: V2G7911.D
Als bottle: 9 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	3 Vinyl Chloride	62	2.220	2.219	(0.396)	2008063	315.428	320(A)
	7 1,1-Dichloroethene	96	3.504	3.514	(0.625)	576163	100.613	100(R)
	13 trans-1,2-Dichloroethene	96	4.277	4.286	(0.763)	75760	12.1873	12
	15 1,1-Dichloroethane	63	4.726	4.725	(0.843)	33971	3.24417	3(a)
	17 cis-1,2-Dichloroethene	96	5.342	5.351	(0.953)	9172074	1611.41	1600(A)
*	18 Bromochloromethane	128	5.603	5.602	(1.000)	179578	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.229	6.239	(1.112)	490489	50.4133	50
	25 Benzene	78	6.292	6.301	(0.936)	1086244	61.4802	61
*	26 1,4-Difluorobenzene	114	6.720	6.719	(1.000)	841433	50.0000	
	27 Trichloroethene	130	7.023	7.022	(1.045)	15798819	2914.64	2900(AR)
$	33 Toluene-d8	98	8.464	8.463	(0.821)	818428	47.2274	47
	34 Toluene	91	8.547	8.547	(0.829)	1125793	61.7524	62
	37 Tetrachloroethene	164	9.236	9.236	(0.896)	20457383	5136.44	5100(A)
*	42 Chlorobenzene-d5	117	10.312	10.322	(1.000)	624440	50.0000	
	43 Chlorobenzene	112	10.354	10.353	(1.004)	744168	63.0383	63
$	50 Bromofluorobenzene	95	11.805	11.804	(1.145)	326873	47.0005	47

SB 5/3/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V2.i\050413.B\V2G7919.D
Report Date: 03-May-2005 11:48

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Instrument V 2
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: V2CLP45
INITIAL CAL: 4-12-05
COMMENTS:

CAL ID: VW050214A-15
IS/SS ID: VW050314B-SS
~~VW050411A~~ JC 4-12-05
VW050405C-SS10

ANALYST: JC
DATE: 4-12-05
DATE PRINTED:
DATE LOADED:

AS #	FILE	MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V2G79 00	BFB2P	BFB2P	2ml	-	Passed 16:21			
	01	VSTD050 2P	VSTD050 2P	5ml	-				
	02	VSTD010 2P	VSTD010 2P		-	Used for			
	03	VSTD200 2P	VSTD200 2P		-	OLM4.3 AQ			
	04	VSTD100 2P	VSTD100 2P		-				
	V2G79 05	VSTD020 2P	VSTD020 2P	5ml	-				

VLM 4-12-05
JC 4-12-05

COPY
Original Documents Are Included in CSF_____
Signed:_____ Date:_____

Instrument V 2
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: V2 CLP 4/5 | CAL ID: VW050314A-15 | ANALYST: JC

INITIAL CAL: 4-12-05 | IS/SS ID: VW050314A-45 VW050405C-SSD | DATE: 4-13-05

COMMENTS: | DATE PRINTED: | DATE LOADED:

AS #	FILE		MITKEM ID		CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V2G79	10	BFB2Q		BFB2Q	2ml	—	10:24 Passed			—
		11	VSTD050 2Q		VSTD0502Q	5ml	—	OK			
		12	MB-17654		VBLK 2Q		—	rr	✓	1L	
		13	MB-17654		VBLK 2Q		—	rr	3L	✓	
		14	MB-17654		VBLK 2Q		—	OK	✓	✓	
		15	LCS-17654		V2Q LCS		—	OK	✓	✓	
		16	D0410	07A	Trip-01		—	OK	✓	✓	L2
		17		01A	BR311326		—	PCE 5300 rr 50X	✓	✓	
		18		01AMS	BR311326MS		—	2 spikes ↑ OK	✓	✓	
		19		01AMSD	BR311326MSD		—	2 spikes ↑ OK	✓	✓	
		20		02A	BR417432		—	PCE 6345 rr 50X	✓	✓	
		21		03A	BR547562		—	PCE 2588 rr 25X	✓	✓	
		22		04A	BR677692		—	cis 1,2 DCE 378 rr 3X	✓	✓	
		23		05A	BR807822		—	cis 1,2 DCE 441 rr 4X	✓	✓	
		24	D0410	06A	BR937952		—	rr 1X	✓	✓	L2
		25	VHBLK5 2Q		VHBLK 5Q		—	not used	✓	1L	—
		26	VHBLK5 2Q		VHBLK 5Q		—	not used	✓	✓	—
	V2G79	27	VHBLK5 5S		VHBLK 55	5ml	—	not used 18:55 PCE 3	✓	✓	—

N/A
JC
4/14/05

Logbook ID 90.0206-03/05 | Reviewed By: YD 4/28/05 | Page #: 020

0243

Instrument V 2
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: V2CLP4S
CAL ID: LW050314A-FS
ANALYST: JC
INITIAL CAL: 4-12-05
IS/SS ID: LW050314D-SS
LW050405C-STD
DATE: 4-14-05
COMMENTS:
DATE PRINTED:
DATE LOADED:

AS #	FILE		MITKEM ID		CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V2G75	20	BFB2T		BFB2T	2ml	—	Passed 10:40			—
		21	VSTD0502T		VSTD0502T	5ml	—	not used			
		22	VSTD0502T		VSTD0502T		—	OK			
		23	MB-17666		VBLK2T		—	OK	✓	✓	
		24	LCS-17666		V2TLCS		—	OK	✓	✓	—
		25	D0410	06A	BR937952		—	OK	✓	✓	≤2
		26		01ADL	BR311326DL		50	PCE 142 OK	✓	✓	—
		27		02ADL	BR417432DL		80	PCE 125 OK	✓	✓	
		28		03ADL	BR547562DL		20	PCE 145 OK	✓	✓	
		29		04ADL	BR677692DL		3	cis1,2 DCE 139 OK	✓	✓	✓
		30	D0410	05ADL	BR807822DL		4	cis1,2 DCE 123 OK	✓	✓	—
		31	D0424	01A	TB 4/12		—	OK	✓	✓	≤2
		32	VHBLK2T		VHBLK2T		—	OK	✓	✓	—
		33	D0424	02A	J-10-3		—	OK	✓	✓	≤2
		34		03A	J-0-1		—	OK	✓	✓	
		35		05A	J-10-2		—	OK	✓	✓	
		36		06A	J-10-1		—	OK	✓	✓	
		37		07A	CJ-TW-6		—	OK	✓	✓	
		38		08A	J-0-3		—	OK	✓	✓	
		39		10A	J-12-2		—	OK	✓	✓	
		40		11A	J-12-3		—	OK	✓	✓	
		41		12A	J-3-3A		—	Chloroform 963 rr 8X	✓	✓	
		42		13A	J-3-3B		—	Chloroform 1015 rr 10X	✓	✓	
		43		15A	J-3-2	↓	—	Chloroform 2 rr 1X	✓	✓	↓
	V2G79	44	D0424	16A	TB 4/13	5ml	—	22:26 OK	✓	✓	≤2

Logbook ID 90.0206-03/05

Reviewed By: YD 4/28/05

Page #: 021

MITKEM CORPORATION: VOLATILES RECEIVING LOGBOOK

0270

VOA Log-In Date	Workorder	Client	Sample Numbers	Relinquished By	Refrigerator #	Comments
4/7/05	D0404	CH2M	01-07	SB	R10	
	D0405	TT	01	SB	R13	
4/7/05	D0375	Maguire	01-02	SB	R10	
4-7-05	D0407	RIRRC	01	JC	R4	
4-7-05	D0390	RIRRC	08-09	JC	R4	
4-7-05	D0408	Lincoln	01	JC	R4	
4-8-5	D0410		01-07	ML	R10	
4/11/05	D0413	TRC	01-03	JH	R-10	3 DAY TAT
4-11-05	D0411	RIRRC	01-04	JC	R10	4 SHR
4/13/05	D0416	Maguire	01-03	SB	R4	72 hr TAT
↓	D0417	URS	01-15	↓	R4	
4/13/05	D0418	ET	01-10	SB	R4	
4/14/05	D0417	URS	16-19	YD	R4	
↓	D0423	LMS	01-03	YD	R4	
↓	D0424	01-03, 05-09, 11-16 → ERM		YD	R4	
4/13/05	D0425	TRC	01-09	JH	R10	

Last Page of Data Report

MITKEM CORPORATION

"Environmental Testing For The New Millennium"

May 31, 2005

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Chris Davidson

RE: Client Project: 5 Hunt Road, Jamestown, NY
Lab Work Order #: D0523

Dear Mr. Davidson:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project.

If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

Agnes R. Ng
CLP Project Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499 • www.mitkem.com

MITKEM CORPORATION

* Data Summary Pack *

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Identification and Analytical Requirements Summary

Project Name: **Jamestown** SDG: **D0523**

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOA GC/MS Method #	SVOA GC/MS Method #	Pest/PCB Method #	Metals	Other
B-190	D0523-01	ASP	ASP	ASP	ASP	SEE DATA
B-440	D0523-02	ASP				
B-650	D0523-03	ASP				
B-7140	D0523-04	ASP				

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **Jamestown** SDG: **D0523**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0523-01A	SL	5/2/05	5/5/05	NA	5/13/05
D0523-02A	SL	5/4/05	5/5/05	↓	↓
D0523-03A	SL	5/3/05	5/5/05	↓	↓
D0523-04A	SL	5/4/05	5/5/05	NA	5/13/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Semivolatile (SVOA) Analyses

Project Name: **Jamestown** SDG: **D0523**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0523-01A	SL	5/2/05	5/5/05	5/13/05	5/25/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Pesticides/PCB Analyses

Project Name: **Jamestown** SDG: **D0523**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0523-01A	SL	5/2/05	5/5/05	5/13/05	5/26/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **Jamestown** SDG: **D0523**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
D0523-01A	SL	ASP	NA	Low	1
D0523-02A	SL	ASP	↓	↓	5
D0523-03A	SL	ASP	↓	↓	1
D0523-04A	SL	ASP	NA	Low	1

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Semivolatile (SVOA) Analyses

Project Name: **Jamestown** SDG: **D0523**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D0523-01A	SL	ASP	3550B	GPC	1

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Pesticides/PCB Analyses

Project Name: **Jamestown** SDG: **D0523**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D0523-01A	SL	ASP	3550B	GPC/Florisil/Copper	1

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Inorganic Analyses

Project Name: **Jamestown** SDG: **D0523**

Laboratory Sample ID	Matrix	Metals Requested	Date Received by Lab	Date Analyzed
D0523-01B	SL	ASP	5/5/05	5/13/05 - 5/19/05

NYASP 10/95

Analytical Data Package for Day Environmental, Inc.

Client Project No.: 5 Hunt Road, Jamestown, NY

Mitkem Work Order ID: D0523

May 31, 2005

Prepared For:

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Chris Davidson

Prepared By:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Day Environmental Inc.'s 5 Hunt Road, Jamestown, NY project. Under this deliverable, analysis results are presented for four soil samples that were received on May 5, 2005. Analyses were performed per specifications in the project's contract and the chain of custody forms. Sample Identifications were shortened where necessary due to limitations in data reporting software. Following the narrative is a table of sample identifications for cross-referencing full client sample ID, shortened client sample ID and laboratory sample ID, along with the Mitkem Work Order.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatiles Analysis:

Trap used for instrument V5: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

Alkanes were determined as part of TIC. The alkanes are reported in the Alkane Narrative Report following the SDG Narrative.

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: due to high concentration of target analytes, sample B-440 was analyzed using 1g of sample. This is equivalent to 5x dilution. No other unusual observation was made for the analysis.

3. Semivolatile Analysis:

GC column: 30 m x 0.25 mm id (0.5 um film thickness) DB-5MS capillary column

Alkanes were determined as part of TIC. The alkanes are reported in the Alkane Narrative Report following the SDG Narrative.

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

4. Pesticides/PCB Analysis:

GC column used: 30 m x 0.53 mm id (0.5 um film thickness) CLPPest and 30 m x 0.53 mm id (0.42 um film thickness) CLPPestII megabore columns

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

5. Metals Analysis:

Mercury was analyzed using a Perkin Elmer Model 100 FIMS cold vapor atomic absorption analyzer. The other elements were analyzed using either a Perkin Elmer Model 3100XL Optima or a Perkin Elmer Model 4300DV ICAP.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: serial dilution was performed on sample B-190 with spike recoveries within the QC limits. No unusual observation was made for the analysis.

6. Cyanide Analysis:

The cyanide samples were prepared using minidistill apparatus by Kontes. The resultant distillates were analyzed using a Lachat QuikChem 8000 autoanalyzer.

Lab control sample: spike recovery was within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Agnes Ng
CLP Project Manager
05/31/05

ALKANE NARRATIVE REPORT
Report date : 05/31/2005
SDG: MD0523

Client Sample ID: B-440 Lab Sample ID: D0523-02A File ID: V5F9947

Compound	RT	Est. Conc.	Q
Branched Alkane	10.11	1500	J
Cyclic Alkane	10.23	2400	J
Branched Alkane	11.46	3000	J

ALKANE NARRATIVE REPORT
Report date : 05/26/2005
SDG: MD0523

Client Sample ID: B-190 Lab Sample ID: D0523-01A File ID: S1E4514

Compound	RT	Est. Conc.	Q
Cyclic Alkane	10.09	310	J

*Mitkem and Client Sample ID Summary Report**

Mitkem Workorder: D0523

Client Name: Day Environmental, Inc

Mitkem Sample ID	*Reported Client Sample ID*	*Full Client Sample ID*
D0523-01A	B-190	B-1 (9.0')
D0523-01B	B-190	B-1 (9.0')
D0523-01C	B-190	B-1 (9.0')
D0523-02A	B-440	B-4 (4.0')
D0523-03A	B-650	B-6 (5.0')
D0523-04A	B-7140	B-7 (14.0')

** If client sample ID has not been truncated, the full client sample ID is listed in the column labeled "Reported Client Sample ID"*

Mitkem Corporation

09/May/05 11:20

WorkOrder: D0523

Client ID: DAY
Project: Jamestown
Location:
Comments: N/A

Case:
SDG:
PO: 3563S-04

Report Level: ASP-B
EDD:
HC Due: 05/26/05
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage
D0523-01A	B-190	05/02/05 11:33	05/05/05	Soil	OLM4.2_PH	NYS CLP - ADD LCS, OLM	☐	☐	☐	B3
					OLM4.2_PP_S	NYS CLP - ADD LCS, OLM	☐	☐		B3
					OLM4.2_SVOA_S	NYS CLP - ADD LCS, OLM	☐	☐	☐	B3
					PMoist		☐	☐	☐	B3
D0523-01B	B-190	05/02/05 11:33	05/05/05	Soil	ILM4.1_CN_S		☐	☐	☐	B3
					ILM4.1_HG_S	ILM	☐	☐	☐	B3
					ILM4.1_ICP_S	ILM	☐	☐	☑	B3
D0523-01C	B-190	05/02/05 11:33	05/05/05	Soil	OLM4.2_VOA_LOW_S	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0523-02A	B-440	05/04/05 12:03	05/05/05	Soil	OLM4.2_VOA_LOW_S	NYS CLP - ADD LCS	☐	☐	☐	VOA
					PMoist		☐	☐	☐	VOA
D0523-03A	B-650	05/03/05 13:09	05/05/05	Soil	OLM4.2_VOA_LOW_S	NYS CLP - ADD LCS	☐	☐	☐	VOA
					PMoist		☐	☐	☐	VOA
D0523-04A	B-7140	05/04/05 08:57	05/05/05	Soil	OLM4.2_VOA_LOW_S	NYS CLP - ADD LCS	☐	☐	☐	VOA
					PMoist		☐	☐	☐	VOA

Client Rep: Agnes R Ng

8000

Mitkem Corporation

09/May/05 11:20

WorkOrder: D0523

Client ID: DAY
Project: Jamestown
Location:
Comments: N/A

Case:
SDG:
PO: 3563S-04

Report Level: ASP-B
EDD:
HC Due: 05/26/05
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage

Client Rep: Agnes R Ng

6000

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-190

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-01C

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5F9944

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 10 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-190

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-01C

Sample wt/vol: 5.1(g/mL) G Lab File ID: V5F9944

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 10 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (Total)	2	J
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-190

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-01C

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5F9944

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 10 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-440

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-02A

Sample wt/vol: 1.0 (g/mL) G Lab File ID: V5F9947

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 18 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	61	U
74-87-3	Chloromethane	61	U
75-01-4	Vinyl Chloride	61	U
74-83-9	Bromomethane	61	U
75-00-3	Chloroethane	61	U
75-69-4	Trichlorofluoromethane	61	U
75-35-4	1,1-Dichloroethene	61	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	61	U
67-64-1	Acetone	61	U
75-15-0	Carbon Disulfide	61	U
79-20-9	Methyl Acetate	61	U
75-09-2	Methylene Chloride	61	U
156-60-5	trans-1,2-Dichloroethene	61	U
1634-04-4	Methyl tert-Butyl Ether	61	U
75-34-3	1,1-Dichloroethane	61	U
156-59-2	cis-1,2-Dichloroethene	61	U
78-93-3	2-Butanone	61	U
67-66-3	Chloroform	61	U
71-55-6	1,1,1-Trichloroethane	61	U
110-82-7	Cyclohexane	61	U
56-23-5	Carbon Tetrachloride	61	U
71-43-2	Benzene	61	U
107-06-2	1,2-Dichloroethane	61	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-440

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-02A

Sample wt/vol: 1.0 (g/mL) G Lab File ID: V5F9947

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 18 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	61	U
108-87-2	Methylcyclohexane	39	J
78-87-5	1,2-Dichloropropane	61	U
75-27-4	Bromodichloromethane	61	U
10061-01-5	cis-1,3-Dichloropropene	61	U
108-10-1	4-Methyl-2-Pentanone	61	U
108-88-3	Toluene	61	U
10061-02-6	trans-1,3-Dichloropropene	61	U
79-00-5	1,1,2-Trichloroethane	61	U
127-18-4	Tetrachloroethene	61	U
591-78-6	2-Hexanone	61	U
124-48-1	Dibromochloromethane	61	U
106-93-4	1,2-Dibromoethane	61	U
108-90-7	Chlorobenzene	61	U
100-41-4	Ethylbenzene	37	J
1330-20-7	Xylene (Total)	1800	
100-42-5	Styrene	61	U
75-25-2	Bromoform	61	U
98-82-8	Isopropylbenzene	230	
79-34-5	1,1,2,2-Tetrachloroethane	61	U
541-73-1	1,3-Dichlorobenzene	61	U
106-46-7	1,4-Dichlorobenzene	61	U
95-50-1	1,2-Dichlorobenzene	61	U
96-12-8	1,2-Dibromo-3-chloropropane	61	U
120-82-1	1,2,4-Trichlorobenzene	61	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B-440

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-02A

Sample wt/vol: 1.0 (g/mL) G Lab File ID: V5F9947

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 18 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	9.88	850	J
2.	BRANCHED ALKANE	10.11	1500	J
3.	CYCLIC ALKANE	10.23	2400	J
4.	UNKNOWN	10.45	1100	J
5.	UNKNOWN	10.53	1500	J
6.	UNKNOWN	10.77	2600	J
7. 103-65-1	BENZENE, PROPYL-	10.87	850	NJ
8. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	10.97	5400	NJ
9. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.08	5300	NJ
10.	UNKNOWN	11.21	830	J
11. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	11.32	3000	NJ
12.	UNKNOWN	11.41	1000	J
13.	BRANCHED ALKANE	11.46	3000	J
14. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.54	7800	NJ
15.	UNKNOWN	11.64	850	J
16.	UNKNOWN	11.73	2900	J
17. 535-77-3	BENZENE, 1-METHYL-3-(1-METHY	11.85	2500	NJ
18. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	11.91	1500	NJ
19.	UNKNOWN	11.95	920	J
20. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	12.04	5500	NJ
21. 1074-43-7	BENZENE, 1-METHYL-3-PROPYL-	12.30	3500	NJ
22. 934-74-7	BENZENE, 1-ETHYL-3,5-DIMETHY	12.38	3800	NJ
23. 1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	12.61	1800	NJ
24. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.72	1300	NJ
25. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	12.75	2100	NJ
26. 933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	12.84	1700	NJ
27.	UNKNOWN	12.98	2000	J
28. 934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	13.21	790	NJ
29. 527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	13.39	830	NJ
30.	UNKNOWN	13.91	720	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-650

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-03A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9945

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 22 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl Chloride	3	J
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	U
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	13	U
79-20-9	Methyl Acetate	13	U
75-09-2	Methylene Chloride	13	U
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-Butyl Ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	45	
78-93-3	2-Butanone	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	13	U
56-23-5	Carbon Tetrachloride	13	U
71-43-2	Benzene	13	U
107-06-2	1,2-Dichloroethane	13	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-650

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-03A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9945

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 22 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	27	
108-87-2	Methylcyclohexane	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	14	
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
1330-20-7	Xylene (Total)	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B-650

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-03A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9945

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 22 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
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27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-7140

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-04A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9946

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 14 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-7140

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-04A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9946

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 14 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	12	U
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (Total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B-7140

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-04A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9946

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 14 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
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10.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5LLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9943

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	56	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	57	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5LLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9943

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	56	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	56	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	58	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-190

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4514

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	370	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	370	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-190

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4514

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	38	J
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	99	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

B-190

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4514

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	11.82	270	J
2.		UNKNOWN	22.48	1900	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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28.					
29.					
30.					

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1XLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4511

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	1600	
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	1600	
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	900	
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	1700	
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	1300	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1XLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4511

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	1900	
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	1200	
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	1600	
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	1700	
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	1100	
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-190

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4C6524F

% Moisture: 10 Decanted: (Y/N) N Date Received: 05/05/05

Extraction: (Type) SONC Date Extracted: 05/13/05

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

P4ELCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18108

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4C6523F

% Moisture: 0 Decanted: (Y/N) N Date Received: _____

Extraction: (Type) SONC Date Extracted: 05/13/05

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	11	
76-44-8	Heptachlor	12	
309-00-2	Aldrin	14	
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	26	
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	28	
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	24	
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

B-190

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Matrix (soil/water): SOIL Lab Sample ID: D0523-01

Level (low/med): MED Date Received: 05/05/05

% Solids: 90.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9940			P
7440-36-0	Antimony	0.30	U		P
7440-38-2	Arsenic	11.4			P
7440-39-3	Barium	137			P
7440-41-7	Beryllium	0.47	B		P
7440-43-9	Cadmium	0.31	B		P
7440-70-2	Calcium	15300			P
7440-47-3	Chromium	14.3			P
7440-48-4	Cobalt	10.2			P
7440-50-8	Copper	20.5			P
7439-89-6	Iron	22000			P
7439-92-1	Lead	27.1			P
7439-95-4	Magnesium	6890			P
7439-96-5	Manganese	446			P
7440-02-0	Nickel	22.2			P
7440-09-7	Potassium	1120			P
7782-49-2	Selenium	0.45	U		P
7440-22-4	Silver	0.10	U		P
7440-23-5	Sodium	78.6	B		P
7440-28-0	Thallium	0.30	U		P
7440-62-2	Vanadium	13.1			P
7440-66-6	Zinc	64.2			P
7439-97-6	Mercury	0.056	U		CV
	Cyanide	0.089	U		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

7
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Solid LCS Source:

Aqueous LCS Source:

LCS-18106

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Cyanide				88.4	76.8		35.3	141.7	86.9

7
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Solid LCS Source:

Aqueous LCS Source:

LCS-18174

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Mercury				8.4	11.2		4.3	12.5	133.3

7
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Solid LCS Source:

Aqueous LCS Source:

LCS-18177

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				7270.0	6522.1		4210.1	10300.1	89.7
Antimony				52.5	30.9		6.0	117.0	58.9
Arsenic				111.0	111.5		88.5	133.0	100.5
Barium				195.0	212.0		160.0	230.0	108.7
Beryllium				62.5	62.3		51.3	73.7	99.7
Cadmium				110.0	112.4		89.7	130.0	102.2
Calcium				4120.0	3867.1		3260.2	4979.8	93.9
Chromium				154.0	153.4		121.0	187.0	99.6
Cobalt				63.3	65.3		51.8	74.8	103.2
Copper				107.0	106.8		88.1	126.0	99.8
Iron				11500.0	9133.2		6599.8	16400.2	79.4
Lead				158.0	165.3		127.0	189.0	104.6
Magnesium				2380.0	2410.4		1790.0	2970.0	101.3
Manganese				328.0	330.2		262.0	394.0	100.7
Nickel				160.0	165.7		130.0	190.0	103.6
Potassium				1880.0	1912.1		1340.1	2419.9	101.7
Selenium				94.4	91.3		71.3	117.0	96.7
Silver				102.0	91.7		62.5	142.0	89.9
Sodium				871.0	931.9	B	484.0	1260.0	107.0
Thallium				88.6	96.0		67.0	110.0	108.4
Vanadium				74.8	68.7		55.9	93.7	91.8
Zinc				187.0	199.7		148.0	226.0	106.8

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK5L	102	96	104		0
02	V5LLCS	100	95	96		0
03	B-190	100	96	104		0
04	B-650	98	100	104		0
05	B-7140	99	97	102		0
06	B-440	98	107	102		0
07	VHBLK5L	101	95	92		0
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(84-138)
SMC2 (BFB) = Bromofluorobenzene	(59-113)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK1X	65	66	97	61	61	69	61	54	0
02	S1XLCS	63	72	96	58	64	73	61	54	0
03	B-190	65	62	83	65	57	67	60	50	0
04										
05										
06										
07										
08										
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30										

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK4E	84	79	89	91			0
02	P4ELCS	70	69	81	79			0
03	B-190	68	68	76	77			0
04								
05								
06								
07								
08								
09								
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24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
(TCX) = Tetrachloro-m-xylene	(30-150)
(DCB) = Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix Spike - Sample No.: V5LLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		56	112	59-172
Trichloroethene	50		56	112	62-137
Benzene	50		57	114	66-142
Toluene	50		56	112	59-139
Chlorobenzene	50		58	116	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix Spike - Sample No.: S1XLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Phenol	2500		1600	64	26- 90
2-Chlorophenol	2500		1600	64	25-102
N-Nitroso-di-n-prop.(1)	1700		900	53	41-126
4-Chloro-3-Methylphenol	2500		1700	68	26-103
Acenaphthene	1700		1300	76	31-137
4-Nitrophenol	2500		1900	76	11-114
2,4-Dinitrotoluene	1700		1200	71	28- 89
Pentachlorophenol	2500		1600	64	17-109
Pyrene	1700		1700	100	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 9 outside limits

COMMENTS: _____

FORM III SV

FORM 3
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix Spike - Sample No.: P4ELCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	17		11	65	46-127
Heptachlor	17		12	71	35-130
Aldrin	17		14	82	34-132
Dieldrin	33		26	79	31-134
Endrin	33		28	85	42-139
4,4'-DDT	33		24	73	23-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Lab File ID: V5F9942 Lab Sample ID: MB-18114

Date Analyzed: 05/13/05 Time Analyzed: 1059

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: V5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V5LLCS	LCS-18114	V5F9943	1136
02	B-190	D0523-01C	V5F9944	1207
03	B-650	D0523-03A	V5F9945	1237
04	B-7140	D0523-04A	V5F9946	1308
05	B-440	D0523-02A	V5F9947	1338
06	VHBLK5L	VHBLK5L	V5F9950	1514
07				
08				
09				
10				
11				
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COMMENTS: _____

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: MB-18114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9942

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: MB-18114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9942

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: MB-18114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9942

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: VHBLK5L

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9950

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: VHBLK5L

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9950

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VHBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: VHBLK5L

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9950

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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4B

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

SBLK1X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Lab File ID: S1E4510 Lab Sample ID: MB-18109

Instrument ID: S1 Date Extracted: 05/13/05

Matrix: (soil/water) SOIL Date Analyzed: 05/25/05

Level: (low/med) LOW Time Analyzed: 1104

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S1XLCS	LCS-18109	S1E4511	05/25/05
02	B-190	D0523-01A	S1E4514	05/25/05
03				
04				
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COMMENTS: _____

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: MB-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4510

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: MB-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4510

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

SBLK1X

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: MB-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4510

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Extraction: (Type) SONC

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK4E

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Lab Sample ID: MB-18108 Lab File ID: E4C6522F

Matrix (soil/water) SOIL Extraction:(Type) SONC

Sulfur Cleanup (Y/N) Y Date Extracted: 05/13/05

Date Analyzed (1): 05/26/05 Date Analyzed (2): 05/26/05

Time Analyzed (1): 0927 Time Analyzed (2): 0927

Instrument ID (1): E4 Instrument ID (2): E4

GC Column (1): CLPPEST ID: 0.53 (mm) GC Column (2): CLPPESTII ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	P4ELCS	LCS-18108	05/26/05	05/26/05
02	B-190	D0523-01A	05/26/05	05/26/05
03				
04				
05				
06				
07				
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COMMENTS: _____

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK4E

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) SOIL Lab Sample ID: MB-18108

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4C6522F

% Moisture: 0 Decanted: (Y/N) N Date Received: _____

Extraction: (Type) SONC Date Extracted: 05/13/05

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKC2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) WATER Lab Sample ID: PIBLKC2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6446F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/05/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKC2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) WATER Lab Sample ID: PIBLKC2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6446R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/05/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKCG

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCG

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6520F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKCG

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCG

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6520R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKCH

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCH

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6525F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKCH

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCH

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6525R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) _____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.050	U	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Cyanide	-2.1	B	-2.1	B	-6.1	B	2.0	U	-0.113	B	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Cyanide			-2.3	B	-2.1	B	-2.7	B			CA

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	18.0	U	22.3	B	18.0	U	31.6	B	3.600	U	
Arsenic	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	
Barium	0.7	B	1.5	B	1.2	B	1.2	B	0.217	B	
Beryllium	0.2	U	0.2	U	0.2	U	0.2	U	0.040	U	
Cadmium	0.2	U	0.2	U	0.2	U	0.2	U	0.040	U	
Calcium	50.0	U	51.8	B	50.0	U	50.0	U	21.140	B	
Chromium	0.5	U	0.5	B	0.5	U	0.5	U	0.100	U	
Cobalt	0.4	B	0.7	B	0.4	B	0.6	B	0.080	U	
Copper	3.8	B	5.3	B	3.5	B	4.9	B	0.936	B	
Iron	4.0	U	8.7	B	10.3	B	9.5	B	5.228	B	
Lead	0.9	U	0.9	U	0.9	U	0.9	U	0.180	U	
Magnesium	9.0	U	97.8	B	9.0	U	81.2	B	1.800	U	
Manganese	0.4	U	0.4	U	0.4	U	0.4	U	0.182	B	
Nickel	0.7	U	0.8	B	0.7	U	0.8	B	0.140	U	
Selenium	3.0	U	3.0	U	3.0	U	3.0	U	0.600	U	
Silver	6.7	B	2.4	B	0.7	U	0.7	B	0.182	B	
Thallium	2.0	U	2.0	U	2.4	B	2.0	U	0.400	U	
Vanadium	0.4	U	0.4	U	0.4	U	0.4	U	0.080	U	
Zinc	5.1	B	6.3	B	7.7	B	5.8	B	3.893	B	

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Sodium	32.0	U	39.5	B	32.0	U	32.0	U	6.574	B	

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Potassium	55.0	U	55.0	U	55.0	U	55.0	U	11.000	U	

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Antimony	11.5	B	2.4	B	5.7	B	3.5	B	1.202	B	

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

EPA Sample No. (VSTD050##): VSTD0505L Date Analyzed: 05/13/05

Lab File ID (Standard): V5F9941 Time Analyzed: 1009

Instrument ID: V5 Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	401080	5.11	1943927	6.11	1744916	9.20
	UPPER LIMIT	802160	5.61	3887854	6.61	3489832	9.70
	LOWER LIMIT	200540	4.61	971964	5.61	872458	8.70
	EPA SAMPLE						
01	VBLK5L	328905	5.11	1640816	6.11	1457585	9.20
02	V5LLCS	365739	5.11	1912671	6.11	1679425	9.20
03	B-190	320463	5.11	1599718	6.11	1433176	9.20
04	B-650	312282	5.11	1564281	6.11	1423598	9.21
05	B-7140	324676	5.12	1611055	6.11	1454988	9.20
06	B-440	319098	5.11	1528495	6.11	1508370	9.20
07	VHBLK5L	371180	5.11	1880620	6.10	1644453	9.21
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

EPA Sample No. (SSTD050##): SSTD0501W Date Analyzed: 05/25/05

Lab File ID (Standard): S1E4506 Time Analyzed: 0853

Instrument ID: S1 GC Column: DB-5MS ID: 0.25 (mm)

	EPA SAMPLE NO.	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	297131	5.52	1124444	7.44	619103	10.22
	UPPER LIMIT	594262	6.02	2248888	7.94	1238206	10.72
	LOWER LIMIT	148566	5.02	562222	6.94	309552	9.72
01	SBLK1X	329414	5.52	1105742	7.44	571539	10.22
02	S1XLCS	324831	5.52	1105487	7.44	522000	10.22
03	B-190	337753	5.52	1156515	7.44	591852	10.22
04							
05							
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19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

EPA Sample No. (SSTD050##): SSTD0501W Date Analyzed: 05/25/05

Lab File ID (Standard): S1E4506 Time Analyzed: 0853

Instrument ID: S1 GC Column: DB-5MS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1018707	12.60	1266448	16.86	973706	18.99
	UPPER LIMIT	2037414	13.10	2532896	17.36	1947412	19.49
	LOWER LIMIT	509354	12.10	633224	16.36	486853	18.49
	EPA SAMPLE NO.						
01	SBLK1X	901246	12.59	829293	16.85	888495	18.98
02	S1XLCS	771615	12.60	654829	16.85	684521	18.98
03	B-190	854448	12.60	887723	16.85	785161	18.98
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Identification and Analytical Requirements Summary

Project Name: **Jamestown** SDG: **D0523**

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOA GC/MS Method #	SVOA GC/MS Method #	Pest/PCB Method #	Metals	Other
B-190	D0523-01	ASP	ASP	ASP	ASP	SEE DATA
B-440	D0523-02	ASP				
B-650	D0523-03	ASP				
B-7140	D0523-04	ASP				

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **Jamestown** SDG: **D0523**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0523-01A	SL	5/2/05	5/5/05	NA	5/13/05
D0523-02A	SL	5/4/05	5/5/05	↓	↓
D0523-03A	SL	5/3/05	5/5/05	↓	↓
D0523-04A	SL	5/4/05	5/5/05	NA	5/13/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Semivolatile (SVOA) Analyses

Project Name: **Jamestown** SDG: **D0523**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0523-01A	SL	5/2/05	5/5/05	5/13/05	5/25/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Pesticides/PCB Analyses

Project Name: **Jamestown** SDG: **D0523**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0523-01A	SL	5/2/05	5/5/05	5/13/05	5/26/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **Jamestown**

SDG: **D0523**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
D0523-01A	SL	ASP	NA	Low	1
D0523-02A	SL	ASP	↓	↓	5
D0523-03A	SL	ASP	↓	↓	1
D0523-04A	SL	ASP	NA	Low	1

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Semivolatile (SVOA) Analyses

Project Name: **Jamestown** SDG: **D0523**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D0523-01A	SL	ASP	3550B	GPC	1

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Pesticides/PCB Analyses

Project Name: **Jamestown** SDG: **D0523**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D0523-01A	SL	ASP	3550B	GPC/Florisil/Copper	1

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Inorganic Analyses

Project Name: **Jamestown** SDG: **D0523**

Laboratory Sample ID	Matrix	Metals Requested	Date Received by Lab	Date Analyzed
D0523-01B	SL	ASP	5/5/05	5/13/05 - 5/19/05

NYASP 10/95

Analytical Data Package for Day Environmental, Inc.

Client Project No.: 5 Hunt Road, Jamestown, NY

Mitkem Work Order ID: D0523

May 31, 2005

Prepared For:

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Chris Davidson

Prepared By:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Day Environmental Inc.'s 5 Hunt Road, Jamestown, NY project. Under this deliverable, analysis results are presented for four soil samples that were received on May 5, 2005. Analyses were performed per specifications in the project's contract and the chain of custody forms. Sample Identifications were shortened where necessary due to limitations in data reporting software. Following the narrative is a table of sample identifications for cross-referencing full client sample ID, shortened client sample ID and laboratory sample ID, along with the Mitkem Work Order.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatiles Analysis:

Trap used for instrument V5: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

Alkanes were determined as part of TIC. The alkanes are reported in the Alkane Narrative Report following the SDG Narrative.

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: due to high concentration of target analytes, sample B-440 was analyzed using 1g of sample. This is equivalent to 5x dilution. No other unusual observation was made for the analysis.

3. Semivolatile Analysis:

GC column: 30 m x 0.25 mm id (0.5 um film thickness) DB-5MS capillary column

Alkanes were determined as part of TIC. The alkanes are reported in the Alkane Narrative Report following the SDG Narrative.

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

4. Pesticides/PCB Analysis:

GC column used: 30 m x 0.53 mm id (0.5 um film thickness) CLPPest and 30 m x 0.53 mm id (0.42 um film thickness) CLPPestII megabore columns

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

5. Metals Analysis:

Mercury was analyzed using a Perkin Elmer Model 100 FIMS cold vapor atomic absorption analyzer. The other elements were analyzed using either a Perkin Elmer Model 3100XL Optima or a Perkin Elmer Model 4300DV ICAP.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: serial dilution was performed on sample B-190 with spike recoveries within the QC limits. No unusual observation was made for the analysis.

6. Cyanide Analysis:

The cyanide samples were prepared using minidistill apparatus by Kontes. The resultant distillates were analyzed using a Lachat QuikChem 8000 autoanalyzer.

Lab control sample: spike recovery was within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Agnes Ng
CLP Project Manager
05/31/05

ALKANE NARRATIVE REPORT
Report date : 05/31/2005
SDG: MD0523

Client Sample ID: B-440 Lab Sample ID: D0523-02A File ID: V5F9947

Compound	RT	Est. Conc.	Q
Branched Alkane	10.11	1500	J
Cyclic Alkane	10.23	2400	J
Branched Alkane	11.46	3000	J

ALKANE NARRATIVE REPORT
Report date : 05/26/2005
SDG: MD0523

Client Sample ID: B-190 Lab Sample ID: D0523-01A File ID: S1E4514

Compound	RT	Est. Conc.	Q
Cyclic Alkane	10.09	310	J

*Mitkem and Client Sample ID Summary Report**

Mitkem Workorder: D0523

Client Name: Day Environmental, Inc

Mitkem Sample ID	*Reported Client Sample ID*	*Full Client Sample ID*
D0523-01A	B-190	B-1 (9.0')
D0523-01B	B-190	B-1 (9.0')
D0523-01C	B-190	B-1 (9.0')
D0523-02A	B-440	B-4 (4.0')
D0523-03A	B-650	B-6 (5.0')
D0523-04A	B-7140	B-7 (14.0')

** If client sample ID has not been truncated, the full client sample ID is listed in the column labeled "Reported Client Sample ID"*

Mitkem Corporation

09/May/05 11:20

WorkOrder: D0523

Client ID: DAY
Project: Jamestown
Location:
Comments: N/A

Case:
SDG:
PO: 3563S-04

Report Level: ASP-B
EDD:
HC Due: 05/26/05
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage
D0523-01A	B-190	05/02/05 11:33	05/05/05	Soil	OLM4.2_PH	NYS CLP - ADD LCS, OLM				B3
					OLM4.2_PP_S	NYS CLP - ADD LCS, OLM				B3
					OLM4.2_SVOA_S	NYS CLP - ADD LCS, OLM				B3
					PMoist					B3
D0523-01B	B-190	05/02/05 11:33	05/05/05	Soil	ILM4.1_CN_S					B3
					ILM4.1_HG_S	ILM				B3
					ILM4.1_ICP_S	ILM			✔	B3
D0523-01C	B-190	05/02/05 11:33	05/05/05	Soil	OLM4.2_VOA_LOW_S	NYS CLP - ADD LCS				VOA
D0523-02A	B-440	05/04/05 12:03	05/05/05	Soil	OLM4.2_VOA_LOW_S	NYS CLP - ADD LCS				VOA
					PMoist		☐			VOA
D0523-03A	B-650	05/03/05 13:09	05/05/05	Soil	OLM4.2_VOA_LOW_S	NYS CLP - ADD LCS	☐	☐		VOA
					PMoist		☐	☐	☐	VOA
D0523-04A	B-7140	05/04/05 08:57	05/05/05	Soil	OLM4.2_VOA_LOW_S	NYS CLP - ADD LCS	☐	☐	☐	VOA
					PMoist					VOA

Client Rep: Agnes R Ng

8000

Client ID:	DAY	**Case:**	**Report Level:** ASP-B
Project:	Jamestown	**SDG:**	**EDD:**
Location:		**PO:** 3563S-04	**HC Due:** 05/26/05
Comments:	N/A		**Fax Due:**

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage

Client Rep: Agnes R Ng

6000

Sample Transmittal Documentation

MITKEM CORPORATION

175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO			INVOICE TO		
COMPANY DAY ENVIRONMENTAL INC	PHONE 585 454 0210		COMPANY SAME	PHONE	LAB PROJECT #: D0523
NAME DAN NOLL	FAX 585 454 0825		NAME	FAX	
ADDRESS 40 COMMERCIAL STREET			ADDRESS		TURNAROUND TIME: STANDARD
CITY/ST/ZIP Rochester NY 14614			CITY/ST/ZIP		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
S. Hunt Rd., Jamestown, NY	35635-04	35635-04

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: ASP TCL VOL OLM04.2	ASP TCL/TAL OLM04.2	Full OLM04.2	COMMENTS
B-1 (9.0')	5-2-05 1133		X		X		01	4	X			
B-4 (4.0')	5-4-05 1203		X		X		02	1				Please HOLD
B-6 (5.0')	5-3-05 1309		X		X		03	1		X		
B-7 (14.0')	5-4-05 0857		X		X		04	1		X		
	/											
	/											
	/											
	/											
	/											
	/											
	/											
	/											

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	QCD	5-4-05 1500	FEDEX	5-4-05 1500	ASP category B data deliverables	5°C
		/	Agnes Rig	5/5/05 845	-Hold B-4 (4.0') until further notice by DAY	
		/		/		

0111

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION
Sample Condition Form

Received By: ARN | Reviewed By: JJH | Date: 5/5/05 | MITKEM Project #: D0523

Client Project: Jamestown | Client: Day

Cooler Sealed (Yes) / No

1) Custody Seal(s) (Present) / Absent
(Coolers) / Bottles
Intact / Broken

2) Custody Seal Number(s) _____

3) Chain-of-Custody (Present) / Absent

4) Cooler Temperature 5°C
Coolant Condition Ice

5) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx
8507 6470 7950

6) Sample Bottles (Intact)/Broken/Leakin

7) Date Received 5/5/05

8) Time Received 845

Preservative Name/Lot No: _____

Lab Sample ID		Preservation (pH) HNO_3	Preservation (pH) H_2SO_4	Preservation (pH) HCl	Preservation (pH) NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
D0523	01					US	
↓	02						
↓	03					US	
D0523	04					US	

VOA Matrix Key:
US = Unpreserved Soil **A** = Air
UA = Unpreserved Aqueo **H** = HCl
M/N= MeOH & $NaHSO_4$ **E** = Encore
N = $NaHSO_4$ **M** =MeOH

See Sample Condition Notification/Corrective Action Form yes / (no)

Rad OK yes/ no

Form ID: SampleCond.Form-11/04

MITKEM CORPORATION

* Volatiles *

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK5L	102	96	104		0
02	V5LLCS	100	95	96		0
03	B-190	100	96	104		0
04	B-650	98	100	104		0
05	B-7140	99	97	102		0
06	B-440	98	107	102		0
07	VHBLK5L	101	95	92		0
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(84-138)
SMC2 (BFB) = Bromofluorobenzene	(59-113)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix Spike - Sample No.: V5LLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		56	112	59-172
Trichloroethene	50		56	112	62-137
Benzene	50		57	114	66-142
Toluene	50		56	112	59-139
Chlorobenzene	50		58	116	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Lab File ID: V5F9942 Lab Sample ID: MB-18114

Date Analyzed: 05/13/05 Time Analyzed: 1059

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: V5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V5LLCS	LCS-18114	V5F9943	1136
02	B-190	D0523-01C	V5F9944	1207
03	B-650	D0523-03A	V5F9945	1237
04	B-7140	D0523-04A	V5F9946	1308
05	B-440	D0523-02A	V5F9947	1338
06	VHBLK5L	VHBLK5L	V5F9950	1514
07				
08				
09				
10				
11				
12				
13				
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16				
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26				
27				
28				
29				
30				

COMMENTS: _____

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Lab File ID: V5F9475 BFB Injection Date: 04/13/05

Instrument ID: V5 BFB Injection Time: 1045

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.4
75	30.0 - 66.0% of mass 95	46.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.2 (0.2)1
174	50.0 - 120.0% of mass 95	87.2
175	4.0 - 9.0% of mass 174	6.3 (7.2)1
176	93.0 - 101.0% of mass 174	85.4 (97.9)1
177	5.0 - 9.0% of mass 176	5.7 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0505Z	VSTD0505Z	V5F9476	04/13/05	1117
02	VSTD0105Z	VSTD0105Z	V5F9477	04/13/05	1227
03	VSTD2005Z	VSTD2005Z	V5F9478	04/13/05	1340
04	VSTD1005Z	VSTD1005Z	V5F9479	04/13/05	1426
05	VSTD0205Z	VSTD0205Z	V5F9480	04/13/05	1455
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Lab File ID: V5F9940 BFB Injection Date: 05/13/05

Instrument ID: V5 BFB Injection Time: 0926

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.9
75	30.0 - 66.0% of mass 95	47.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	82.3
175	4.0 - 9.0% of mass 174	5.9 (7.1)1
176	93.0 - 101.0% of mass 174	79.9 (97.1)1
177	5.0 - 9.0% of mass 176	5.3 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0505L	VSTD0505L	V5F9941	05/13/05	1009
02	VBLK5L	MB-18114	V5F9942	05/13/05	1059
03	V5LLCS	LCS-18114	V5F9943	05/13/05	1136
04	B-190	D0523-01C	V5F9944	05/13/05	1207
05	B-650	D0523-03A	V5F9945	05/13/05	1237
06	B-7140	D0523-04A	V5F9946	05/13/05	1308
07	B-440	D0523-02A	V5F9947	05/13/05	1338
08	VHBLK5L	VHBLK5L	V5F9950	05/13/05	1514
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

EPA Sample No. (VSTD050##): VSTD0505L Date Analyzed: 05/13/05

Lab File ID (Standard): V5F9941 Time Analyzed: 1009

Instrument ID: V5 Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	401080	5.11	1943927	6.11	1744916	9.20
	UPPER LIMIT	802160	5.61	3887854	6.61	3489832	9.70
	LOWER LIMIT	200540	4.61	971964	5.61	872458	8.70
	EPA SAMPLE						
01	VBLK5L	328905	5.11	1640816	6.11	1457585	9.20
02	V5LLCS	365739	5.11	1912671	6.11	1679425	9.20
03	B-190	320463	5.11	1599718	6.11	1433176	9.20
04	B-650	312282	5.11	1564281	6.11	1423598	9.21
05	B-7140	324676	5.12	1611055	6.11	1454988	9.20
06	B-440	319098	5.11	1528495	6.11	1508370	9.20
07	VHBLK5L	371180	5.11	1880620	6.10	1644453	9.21
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-190

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-01C

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5F9944

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 10 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
78-93-3	2-Butanone	11	U
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-190

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-01C

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5F9944

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 10 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	11	U
108-87-2	Methylcyclohexane	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	11	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (Total)	2	J
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B-190

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-01C

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5F9944

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 10 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

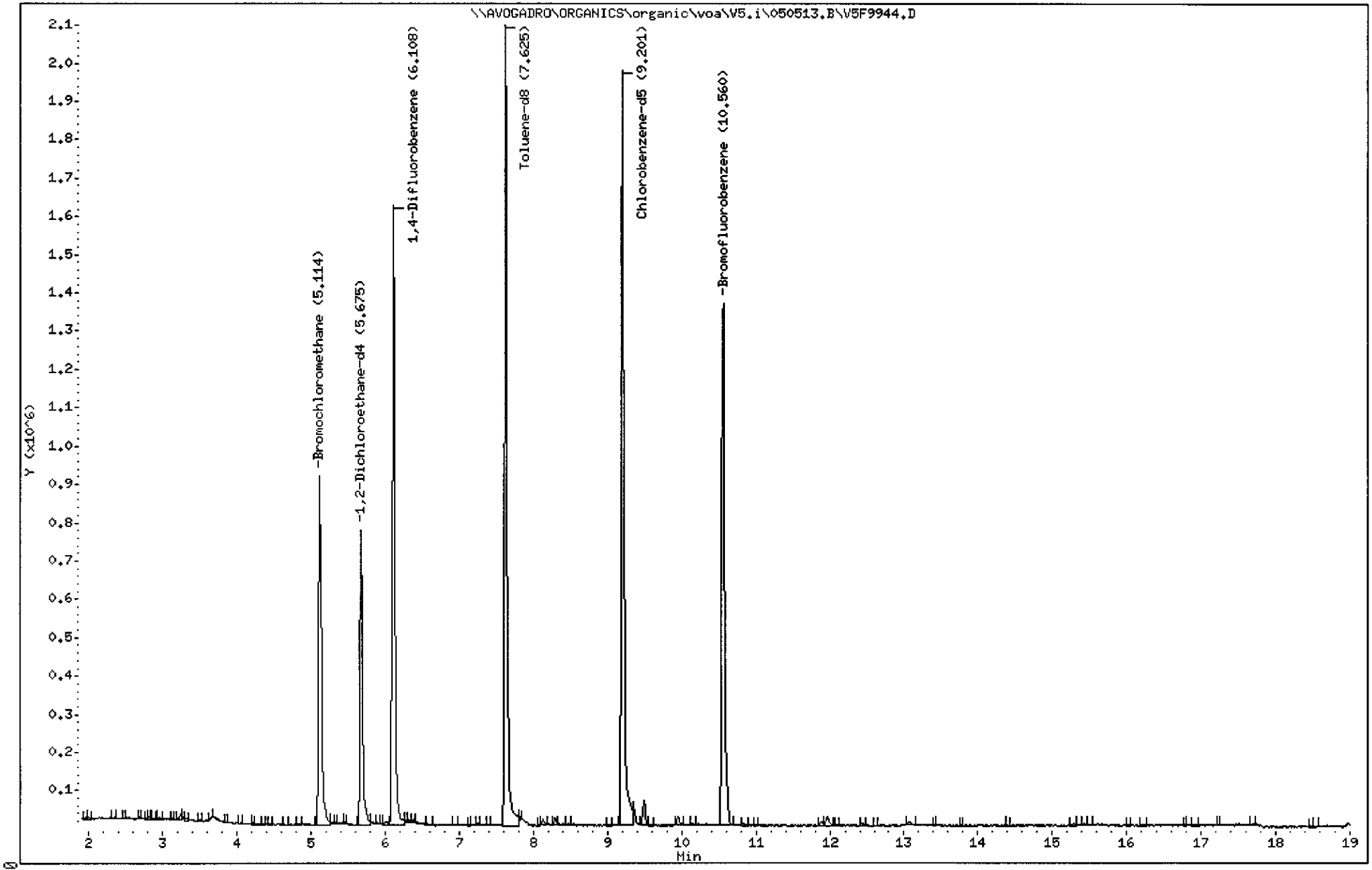
Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9944.D
Date : 13-MAY-2005 12:07
Client ID: B-190
Instrument: v5.i
Sample Info: ,D0523-01C,,18114
Operator: JC SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



0023

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9944.D
Report Date: 31-May-2005 10:47

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9944.D
Lab Smp Id: D0523-01C Client Smp ID: B-190
Inj Date : 13-MAY-2005 12:07
Operator : JC SRC: LIMS Inst ID: v5.i
Smp Info : ,D0523-01C,,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 31-May-2005 10:42 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D ✓
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.100	Weight of sample (g) ✓
M	10.000	% Moisture (not decanted)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)	
*	18 Bromochloromethane	128	5.114	5.112	(1.000)	320463	50.0000		
$	23 1,2-Dichloroethane-d4	65	5.675	5.674	(1.110)	683832	51.8355	56	
*	26 1,4-Difluorobenzene	114	6.108	6.107	(1.000)	1599718	50.0000		
$	33 Toluene-d8	98	7.625	7.624	(0.829)	1738478	50.0620	55	
*	42 Chlorobenzene-d5	117	9.201	9.200	(1.000)	1433176	50.0000		
	45 m,p-Xylene	106	9.497	9.495	(1.032)	27910	1.58494	2(a)	
$	50 Bromofluorobenzene	95	10.551	10.549	(1.147)	684152	48.1279	52	
M	41 Xylene (Total)	106				27910	1.64421	2(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SB 5/31/05

KL

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9944.D
Report Date: 31-May-2005 10:47

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9944.D
Lab Smp Id: D0523-01C Client Smp ID: B-190
Inj Date : 13-MAY-2005 12:07
Operator : JC SRC: LIMS Inst ID: v5.i
Smp Info : ,D0523-01C,,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 31-May-2005 10:42 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9944.D

Date : 13-MAY-2005 12:07

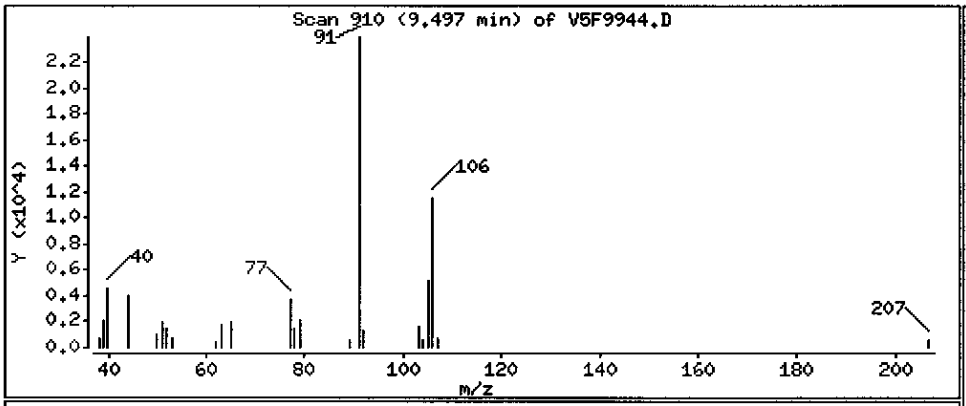
Client ID: B-190 Instrument: v5.i

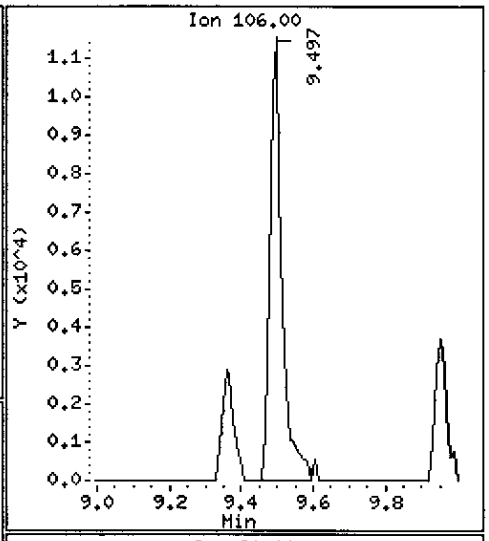
Sample Info: ,D0523-01C,,18114

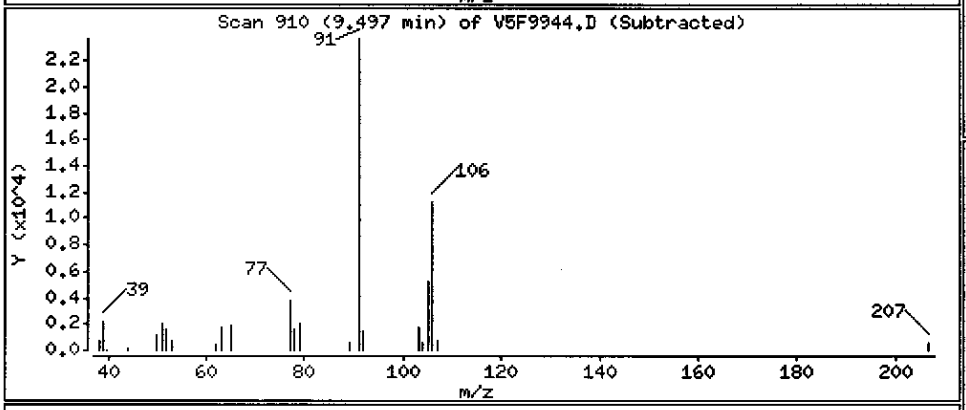
Operator: JC SRC: LIMS

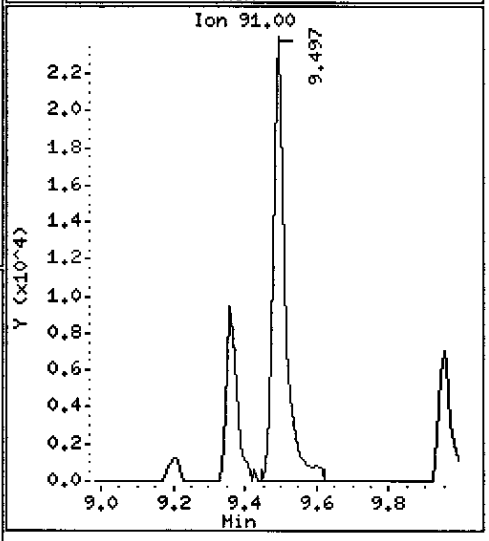
Column phase: DB-624 Column diameter: 0.25

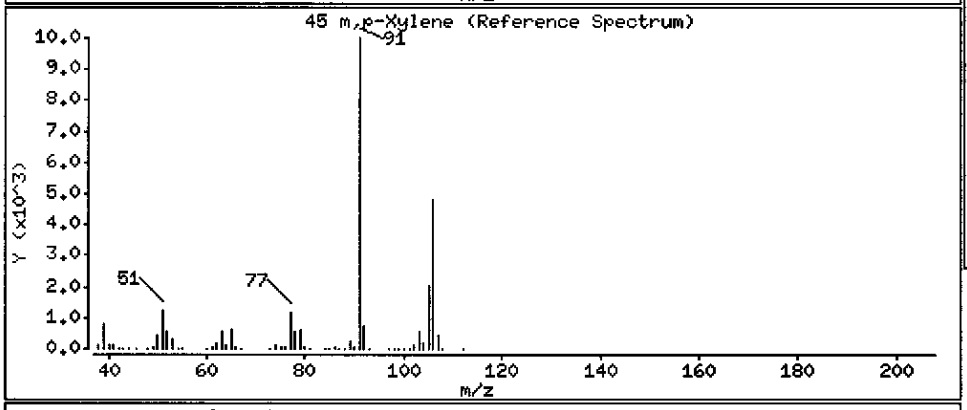
45 m,p-Xylene Concentration: 2 ug/Kg

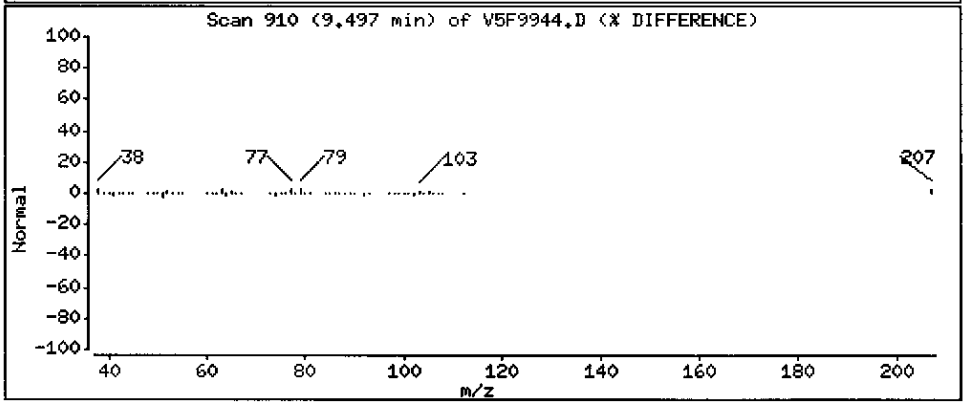












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-440

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-02A

Sample wt/vol: 1.0 (g/mL) G Lab File ID: V5F9947

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 18 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	61	U
74-87-3	Chloromethane	61	U
75-01-4	Vinyl Chloride	61	U
74-83-9	Bromomethane	61	U
75-00-3	Chloroethane	61	U
75-69-4	Trichlorofluoromethane	61	U
75-35-4	1,1-Dichloroethene	61	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	61	U
67-64-1	Acetone	61	U
75-15-0	Carbon Disulfide	61	U
79-20-9	Methyl Acetate	61	U
75-09-2	Methylene Chloride	61	U
156-60-5	trans-1,2-Dichloroethene	61	U
1634-04-4	Methyl tert-Butyl Ether	61	U
75-34-3	1,1-Dichloroethane	61	U
156-59-2	cis-1,2-Dichloroethene	61	U
78-93-3	2-Butanone	61	U
67-66-3	Chloroform	61	U
71-55-6	1,1,1-Trichloroethane	61	U
110-82-7	Cyclohexane	61	U
56-23-5	Carbon Tetrachloride	61	U
71-43-2	Benzene	61	U
107-06-2	1,2-Dichloroethane	61	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-440

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-02A

Sample wt/vol: 1.0 (g/mL) G Lab File ID: V5F9947

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 18 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	61	U
108-87-2	Methylcyclohexane	39	J
78-87-5	1,2-Dichloropropane	61	U
75-27-4	Bromodichloromethane	61	U
10061-01-5	cis-1,3-Dichloropropene	61	U
108-10-1	4-Methyl-2-Pentanone	61	U
108-88-3	Toluene	61	U
10061-02-6	trans-1,3-Dichloropropene	61	U
79-00-5	1,1,2-Trichloroethane	61	U
127-18-4	Tetrachloroethene	61	U
591-78-6	2-Hexanone	61	U
124-48-1	Dibromochloromethane	61	U
106-93-4	1,2-Dibromoethane	61	U
108-90-7	Chlorobenzene	61	U
100-41-4	Ethylbenzene	37	J
1330-20-7	Xylene (Total)	1800	
100-42-5	Styrene	61	U
75-25-2	Bromoform	61	U
98-82-8	Isopropylbenzene	230	
79-34-5	1,1,2,2-Tetrachloroethane	61	U
541-73-1	1,3-Dichlorobenzene	61	U
106-46-7	1,4-Dichlorobenzene	61	U
95-50-1	1,2-Dichlorobenzene	61	U
96-12-8	1,2-Dibromo-3-chloropropane	61	U
120-82-1	1,2,4-Trichlorobenzene	61	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B-440

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-02A

Sample wt/vol: 1.0 (g/mL) G Lab File ID: V5F9947

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 18 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

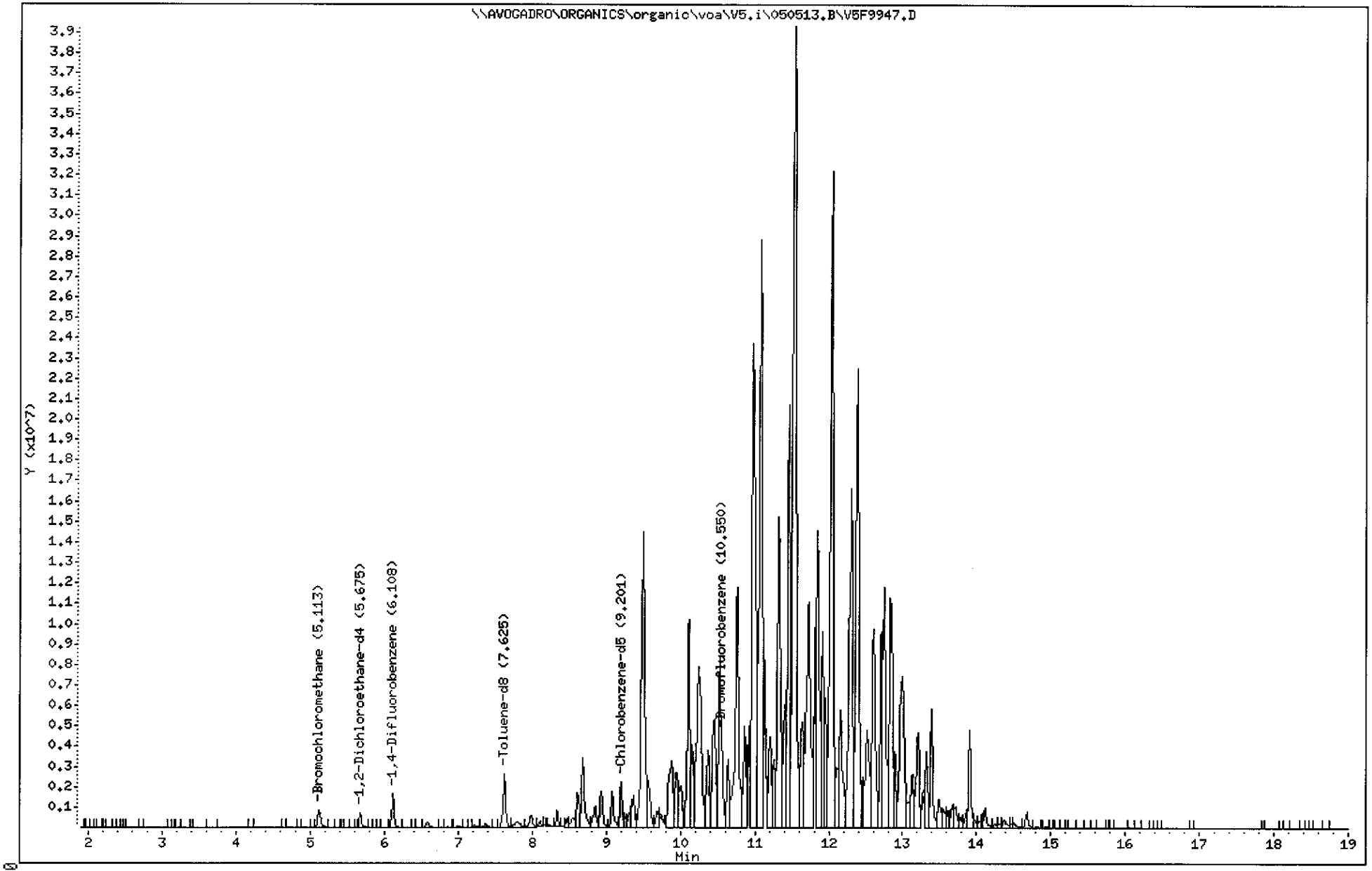
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	9.88	850	J
2.		BRANCHED ALKANE	10.11	1500	J
3.		CYCLIC ALKANE	10.23	2400	J
4.		UNKNOWN	10.45	1100	J
5.		UNKNOWN	10.53	1500	J
6.		UNKNOWN	10.77	2600	J
7.	103-65-1	BENZENE, PROPYL-	10.87	850	NJ
8.	95-63-6	BENZENE, 1,2,4-TRIMETHYL-	10.97	5400	NJ
9.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.08	5300	NJ
10.		UNKNOWN	11.21	830	J
11.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	11.32	3000	NJ
12.		UNKNOWN	11.41	1000	J
13.		BRANCHED ALKANE	11.46	3000	J
14.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.54	7800	NJ
15.		UNKNOWN	11.64	850	J
16.		UNKNOWN	11.73	2900	J
17.	535-77-3	BENZENE, 1-METHYL-3-(1-METHY	11.85	2500	NJ
18.	527-84-4	BENZENE, 1-METHYL-2-(1-METHY	11.91	1500	NJ
19.		UNKNOWN	11.95	920	J
20.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	12.04	5500	NJ
21.	1074-43-7	BENZENE, 1-METHYL-3-PROPYL-	12.30	3500	NJ
22.	934-74-7	BENZENE, 1-ETHYL-3,5-DIMETHY	12.38	3800	NJ
23.	1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	12.61	1800	NJ
24.	1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.72	1300	NJ
25.	527-84-4	BENZENE, 1-METHYL-2-(1-METHY	12.75	2100	NJ
26.	933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	12.84	1700	NJ
27.		UNKNOWN	12.98	2000	J
28.	934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	13.21	790	NJ
29.	527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	13.39	830	NJ
30.		UNKNOWN	13.91	720	J

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D
Date : 13-MAY-2005 13:38
Client ID: B-440
Sample Info: ,D0523-02A,,18114

Instrument: v5.i

Operator: JC SRC: LIMS
Column diameter: 0.25

Column phase: DB-624



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Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D
Report Date: 31-May-2005 12:18

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D
Lab Smp Id: D0523-02A Client Smp ID: B-440
Inj Date : 13-MAY-2005 13:38
Operator : JC SRC: LIMS Inst ID: v5.i
Smp Info : ,D0523-02A,,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 31-May-2005 10:42 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	1.000	Weight of sample (g)
M	18.000	% Moisture (not decanted)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
*	18 Bromochloromethane	128	5.113	5.112	(1.000)	319098	50.0000	
$	23 1,2-Dichloroethane-d4	65	5.675	5.674	(1.110)	671310	51.1040	310
*	26 1,4-Difluorobenzene	114	6.108	6.107	(1.000)	1528495	50.0000	
	28 Methylcyclohexane	83	6.581	6.580	(1.077)	112346	6.37539	39(a)
$	33 Toluene-d8	98	7.625	7.624	(0.829)	1786219	48.8726	300
*	42 Chlorobenzene-d5	117	9.201	9.200	(1.000)	1508370	50.0000	
	44 Ethylbenzene	106	9.358	9.357	(1.017)	92857	6.14107	37(a)
	45 m,p-Xylene	106	9.496	9.495	(1.032)	4986585	269.060	1600
	46 o-Xylene	106	9.949	9.948	(1.081)	186940	10.4638	64
	49 Isopropylbenzene	105	10.383	10.372	(1.128)	1762071	37.6687	230
$	50 Bromofluorobenzene	95	10.550	10.549	(1.147)	799396	53.4316	330
M	41 Xylene (Total)	106				5173525	289.585	1800

KC
5/31/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D
Report Date: 31-May-2005 12:18

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D
Report Date: 31-May-2005 10:47

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D
Lab Smp Id: D0523-02A Client Smp ID: B-440
Inj Date : 13-MAY-2005 13:38
Operator : JC SRC: LIMS Inst ID: v5.i
Smp Info : ,D0523-02A,,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 31-May-2005 10:42 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	1.000	Weight of sample (g)
M	18.000	% Moisture (not decanted)

ISTD	RT	AREA	AMOUNT
* 42 Chlorobenzene-d5	9.201	5026908	50.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
9.880	14050299	139.750907	850	0		0	42
Branched Alkane				CAS #:			
10.107	24378609	242.481153	1500	0		0	42
Cyclic Alkane				CAS #:			
10.235	39545466	393.337873	2400	0		0	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D
Report Date: 31-May-2005 10:47

RT	AREA	CONCENTRATIONS ON-COL(ug/L)	CONCENTRATIONS FINAL(ug/Kg)	QUAL	QUANT LIBRARY	QUANT LIB ENTRY	QUANT CPND #
Unknown				CAS #:			
10.452	18350003	182.517792	1100	0		0	42
Unknown				CAS #:			
10.530	24739492	246.070666	1500	0		0	42
Unknown				CAS #:			
10.767	42167781	419.420656	2600	0		0	42
Benzene, propyl-				CAS #:	103-65-1		
10.865	13963486	138.887423	850	91	NBS75K.L	3781	42
Benzene, 1,2,4-trimethyl-				CAS #:	95-63-6		
10.974	89074582	885.977842	5400	91	NBS75K.L	64579	42
Benzene, 1,2,3-trimethyl-				CAS #:	526-73-8		
11.082	86914271	864.490369	5300	93	NBS75K.L	64576	42
Unknown				CAS #:			
11.210	13739209	136.656659	830	0		0	42
Benzene, 1-ethyl-2-methyl-				CAS #:	611-14-3		
11.318	49930526	496.632582	3000	95	NBS75K.L	3765	42
Unknown				CAS #:			
11.407	16725009	166.354835	1000	0		0	42
Branched Alkane				CAS #:			
11.456	49423229	491.586767	3000	0		0	42
Benzene, 1,2,3-trimethyl-				CAS #:	526-73-8		
11.535	1.289e+008	1282.35640	7800	94	NBS75K.L	64576	42
Unknown				CAS #:			
11.643	13981473	139.066331	850	0		0	42
Unknown				CAS #:			
11.732	48088124	478.307182	2900	0		0	42
Benzene, 1-methyl-3-(1-methylethyl)-				CAS #:	535-77-3		
11.850	40549643	403.325891	2500	95	NBS75K.L	65579	42
Benzene, 1-methyl-2-(1-methylethyl)-				CAS #:	527-84-4		
11.909	25170216	250.354850	1500	95	NBS75K.L	6228	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D
Report Date: 31-May-2005 10:47

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
11.949	15147507	150.664255	920	0		0	42
Benzene, 1,2,3-trimethyl-				CAS #: 526-73-8			
12.037	89977311	894.956810	5500	94	NBS75K.L	64576	42
Benzene, 1-methyl-3-propyl-				CAS #: 1074-43-7			
12.303	58419160	581.064543	3500	94	NBS75K.L	6195	42
Benzene, 1-ethyl-3,5-dimethyl-				CAS #: 934-74-7			
12.382	62542729	622.079507	3800	95	NBS75K.L	65553	42
Benzene, 1-methyl-4-propyl-				CAS #: 1074-55-1			
12.609	29063788	289.082155	1800	94	NBS75K.L	6216	42
Benzene, 2-ethyl-1,4-dimethyl-				CAS #: 1758-88-9			
12.717	22124249	220.058225	1300	95	NBS75K.L	6219	42
Benzene, 1-methyl-2-(1-methylethyl)-				CAS #: 527-84-4			
12.747	34766789	345.806896	2100	95	NBS75K.L	65581	42
Benzene, 1-ethyl-2,3-dimethyl-				CAS #: 933-98-2			
12.835	28109604	279.591391	1700	91	NBS75K.L	65556	42
Unknown				CAS #:			
12.983	32929995	327.537275	2000	0		0	42
Benzene, 4-ethyl-1,2-dimethyl-				CAS #: 934-80-5			
13.209	13075487	130.054966	790	93	NBS75K.L	65569	42
Benzene, 1,2,3,5-tetramethyl-				CAS #: 527-53-7			
13.387	13735291	136.617688	830	97	NBS75K.L	6220	42
Unknown				CAS #:			
13.909	11872767	118.092145	720	0		0	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D

Date : 13-MAY-2005 13:38

Client ID: B-440

Instrument: v5.i

Sample Info: ,D0523-02A,,18114

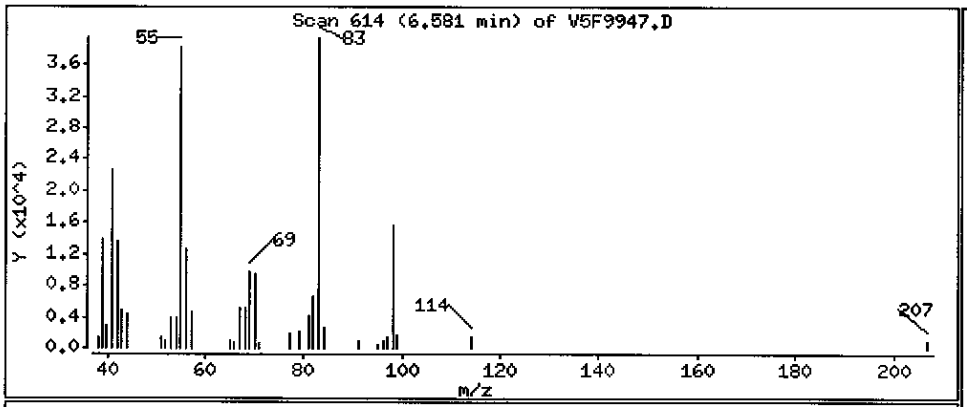
Operator: JC SRC: LIMS

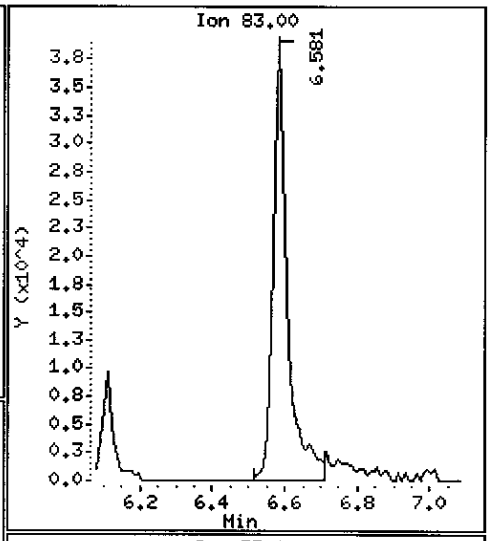
Column phase: DB-624

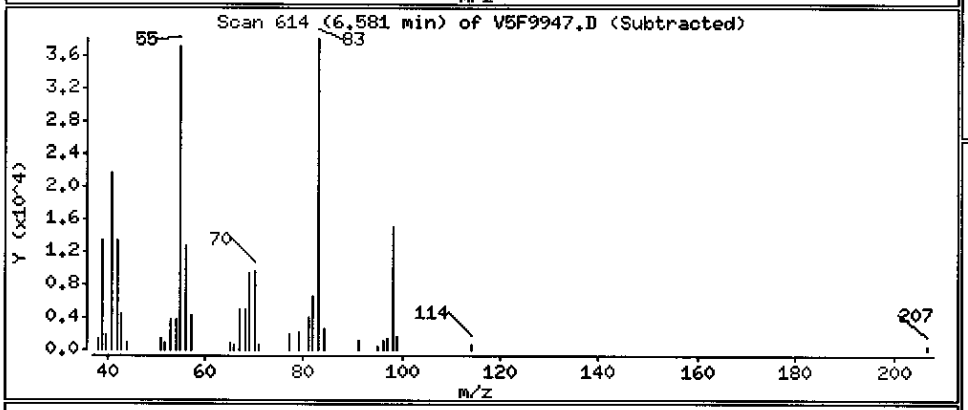
Column diameter: 0.25

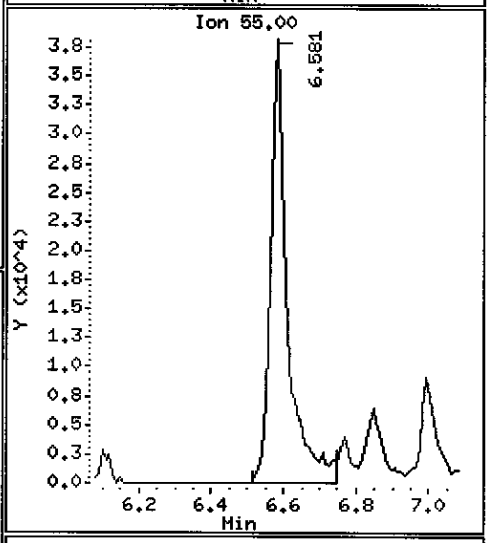
28 Methylcyclohexane

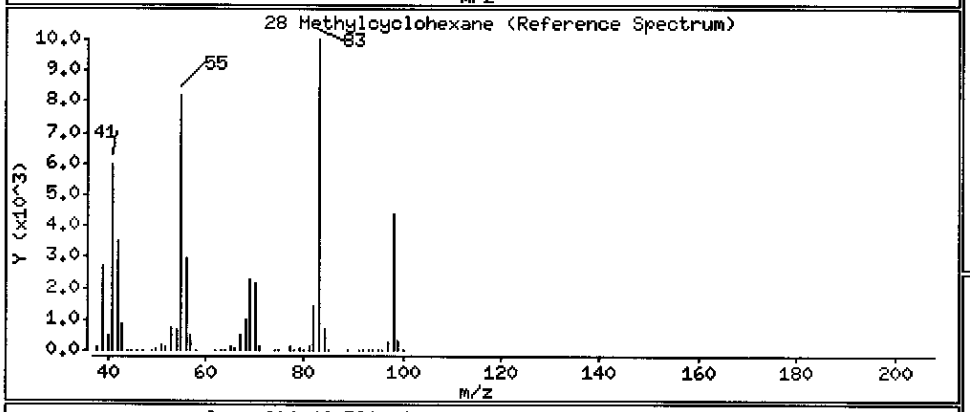
Concentration: 39 ug/Kg

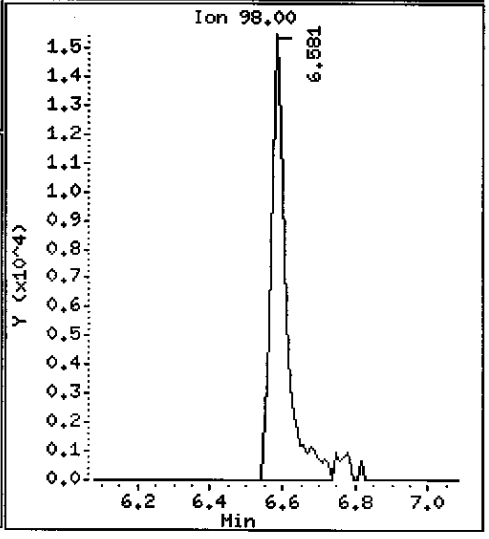


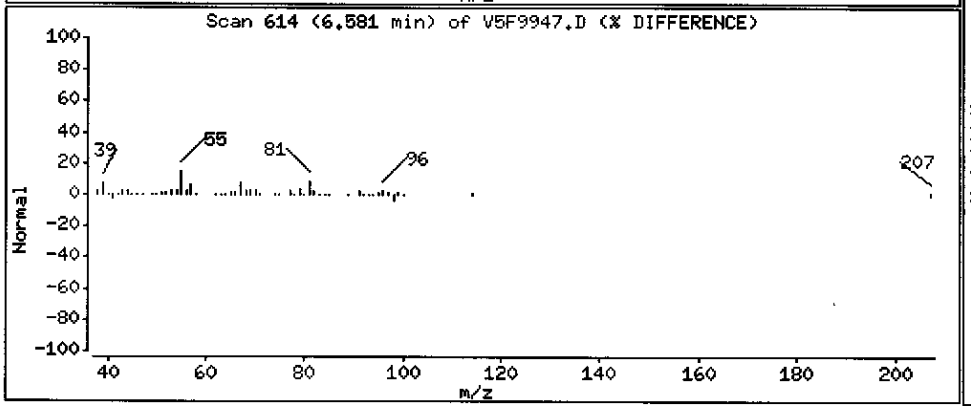












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D

Date : 13-MAY-2005 13:38

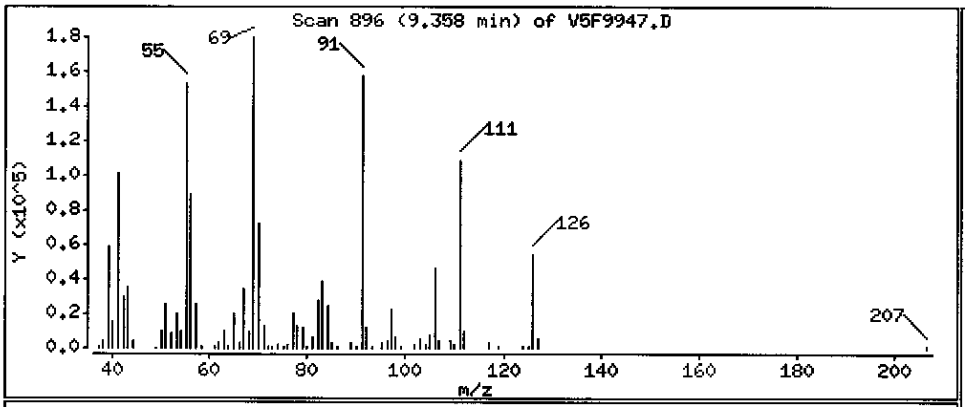
Client ID: B-440 Instrument: v5.i

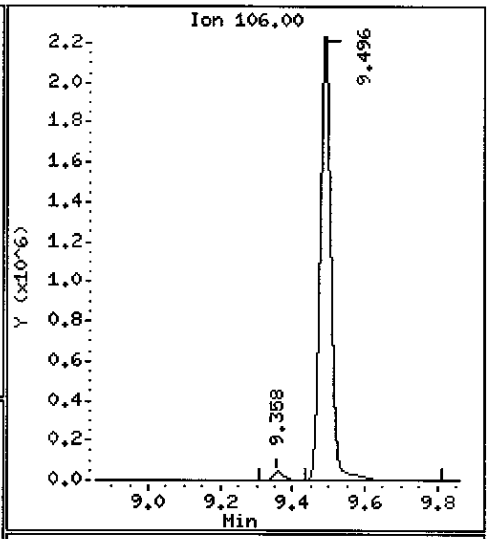
Sample Info: ,D0523-02A,,18114

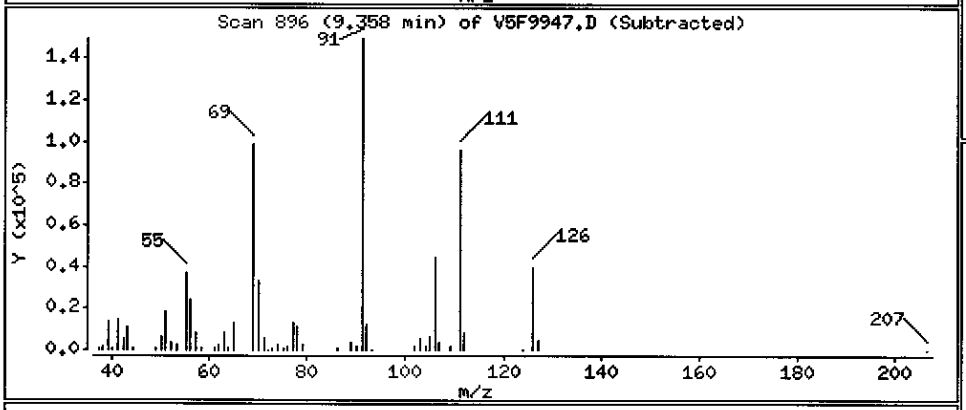
Operator: JC SRC: LIMS

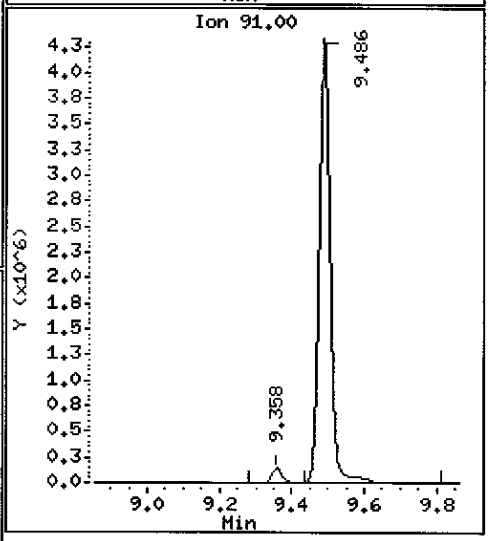
Column phase: DB-624 Column diameter: 0.25

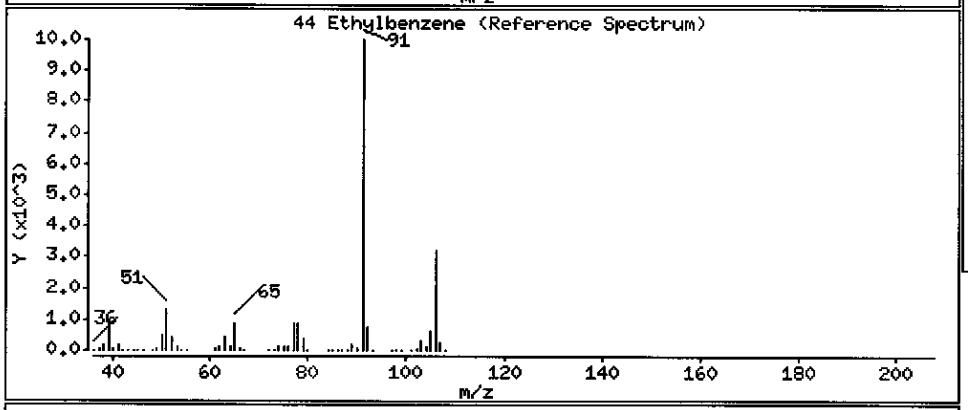
44 Ethylbenzene Concentration: 37 ug/Kg

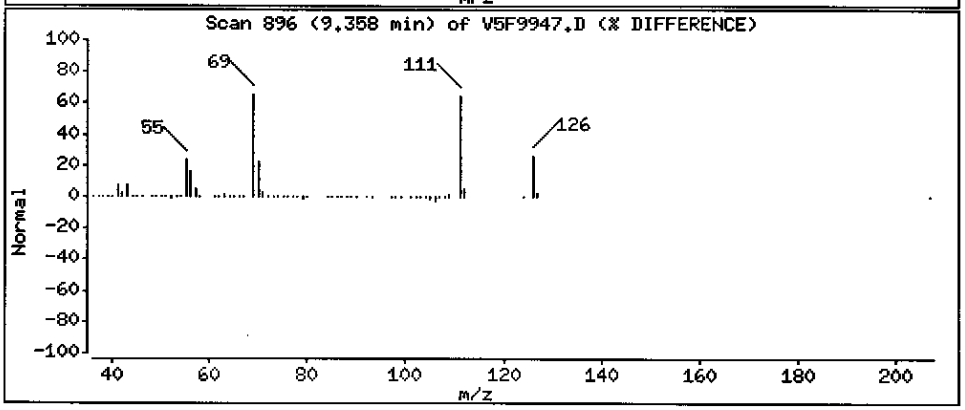












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D

Date : 13-MAY-2005 13:38

Client ID: B-440

Instrument: v5.i

Sample Info: ,D0523-02A,,18114

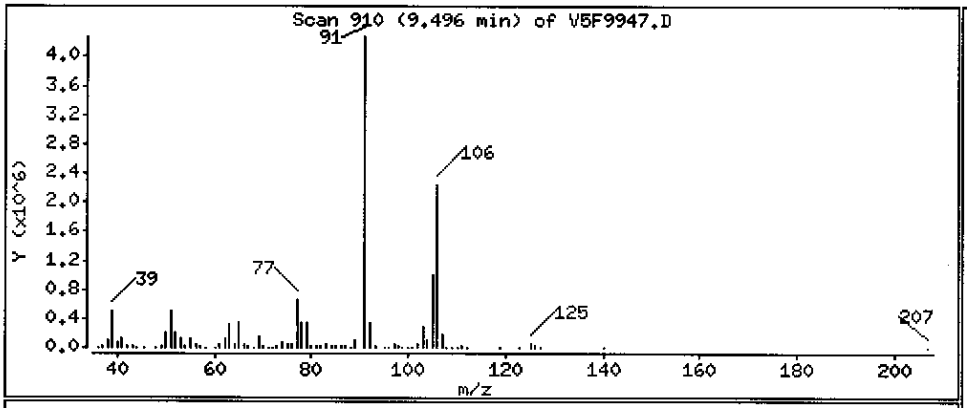
Operator: JC SRC: LIMS

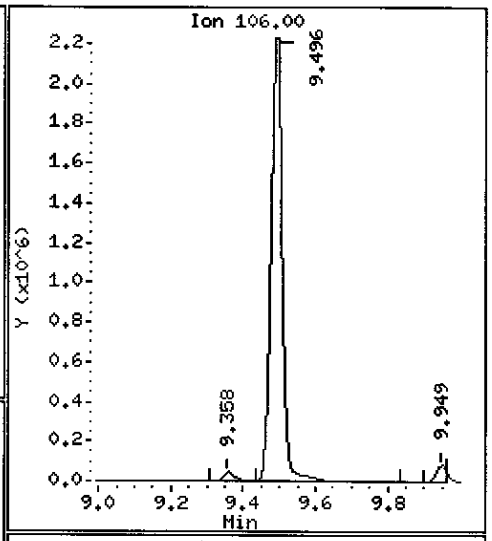
Column phase: DB-624

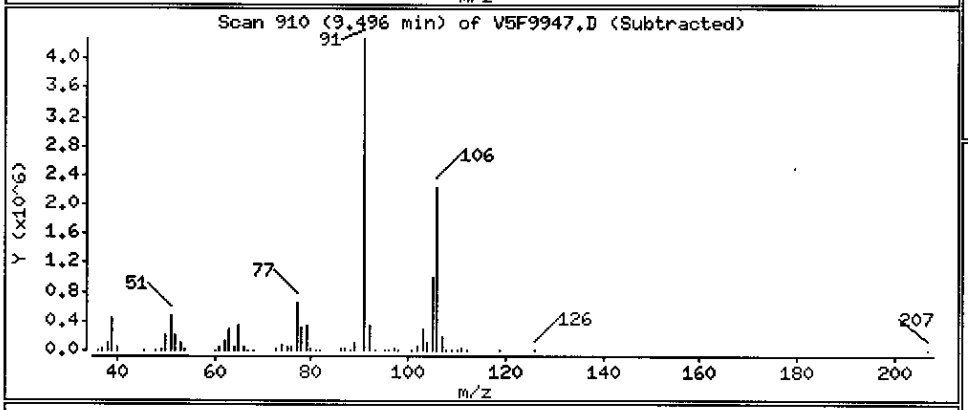
Column diameter: 0.25

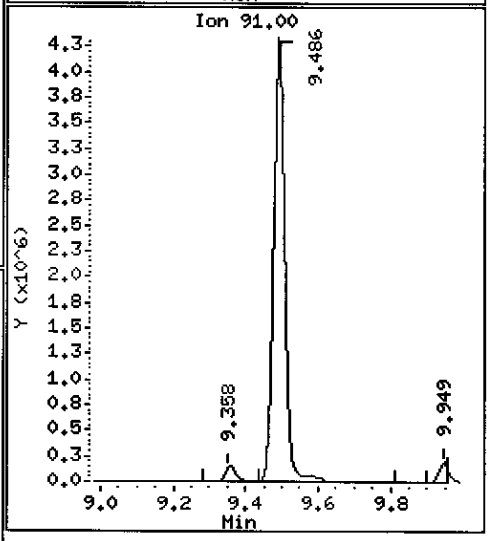
45 m,p-Xylene

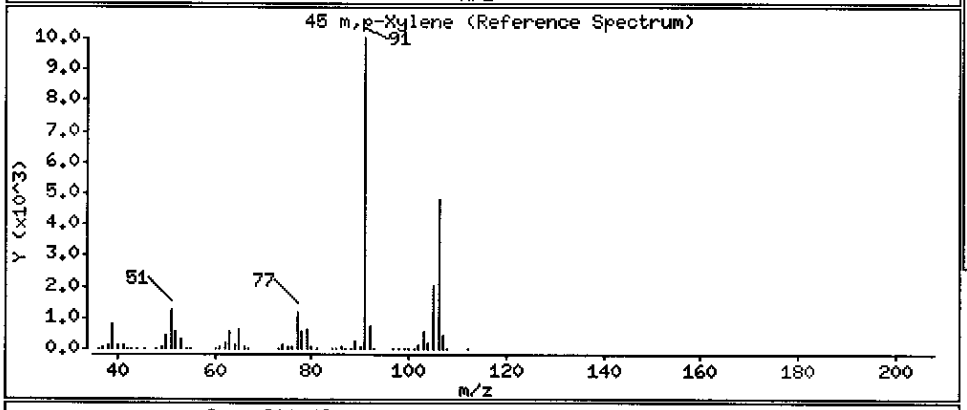
Concentration: 1600 ug/Kg

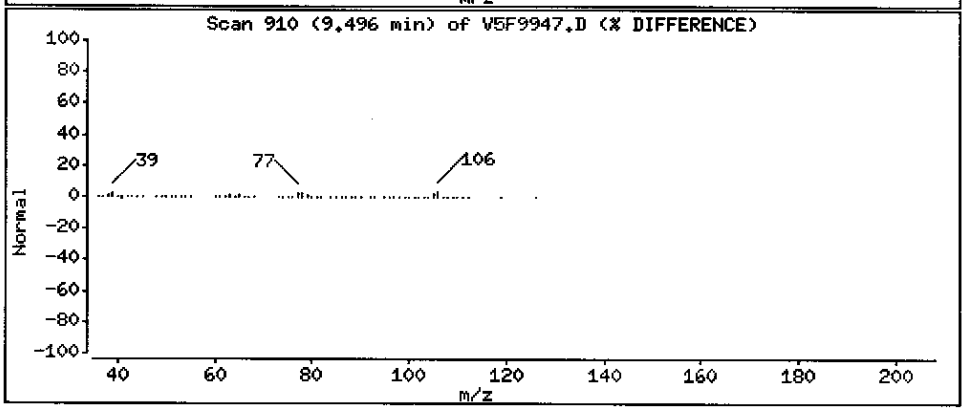












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D

Date : 13-MAY-2005 13:38

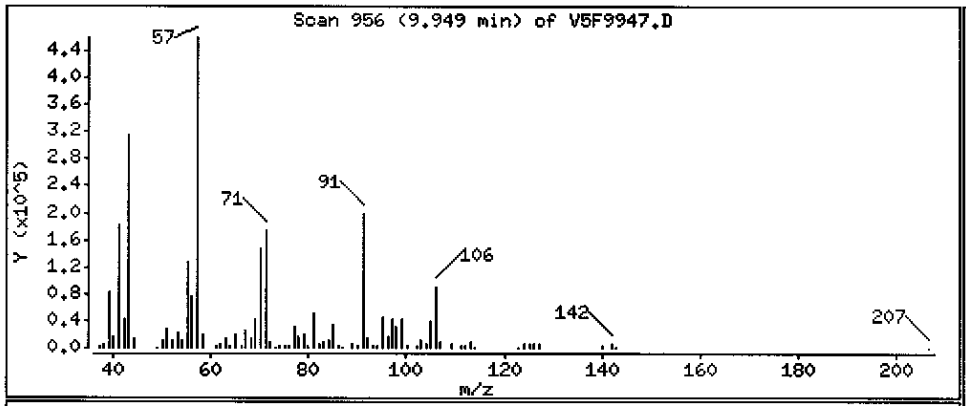
Client ID: B-440 Instrument: v5.i

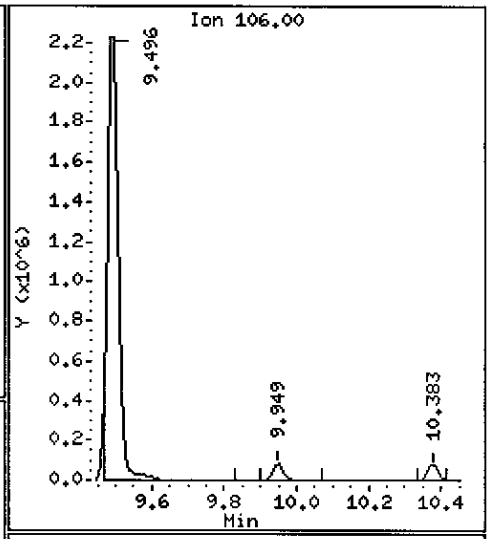
Sample Info: ,D0523-02A,,18114

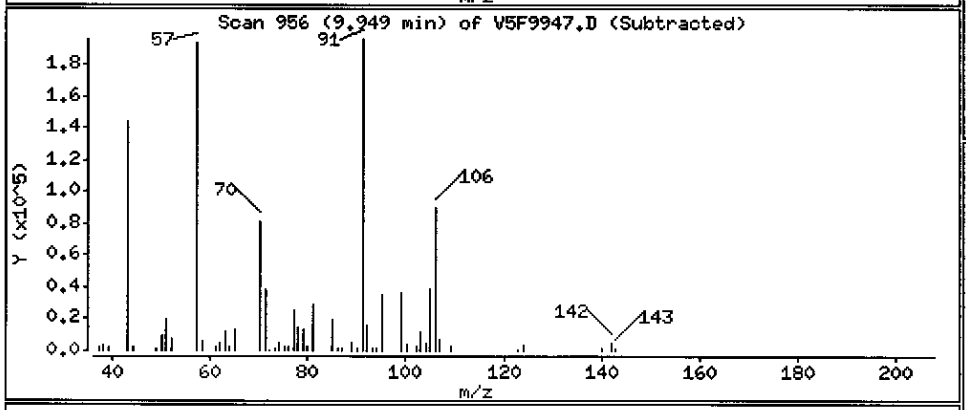
Operator: JC SRC: LIMS

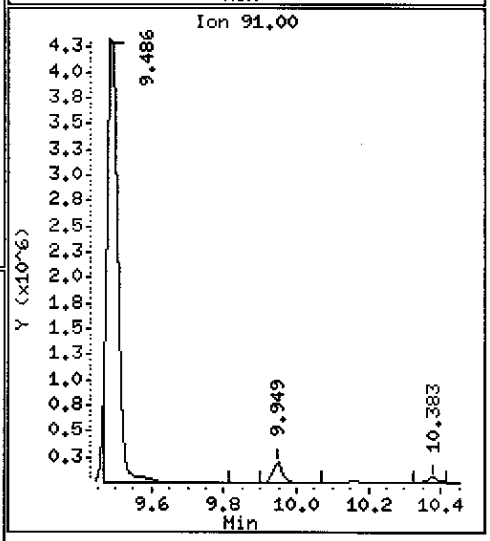
Column phase: DB-624 Column diameter: 0.25

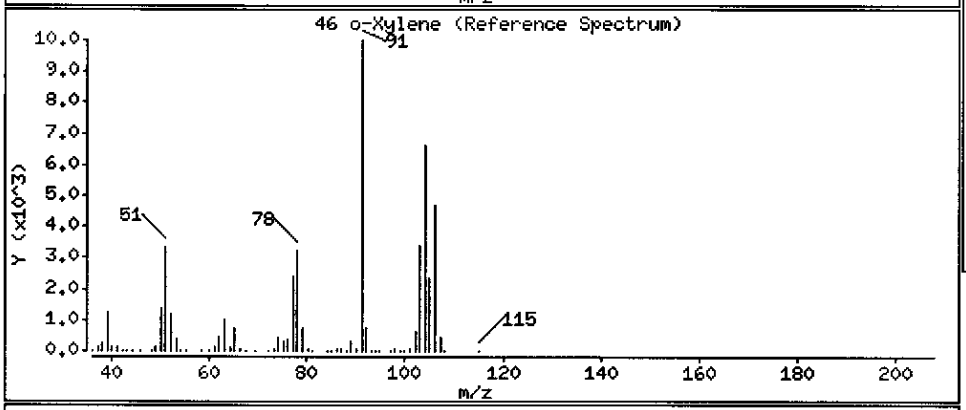
46 o-Xylene Concentration: 64 ug/Kg

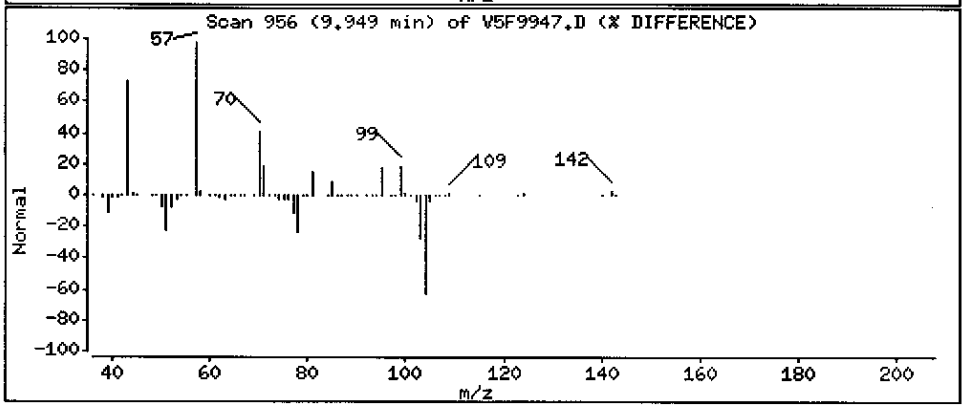












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D

Date : 13-MAY-2005 13:38

Client ID: B-440

Instrument: v5.i

Sample Info: ,D0523-02A,,18114

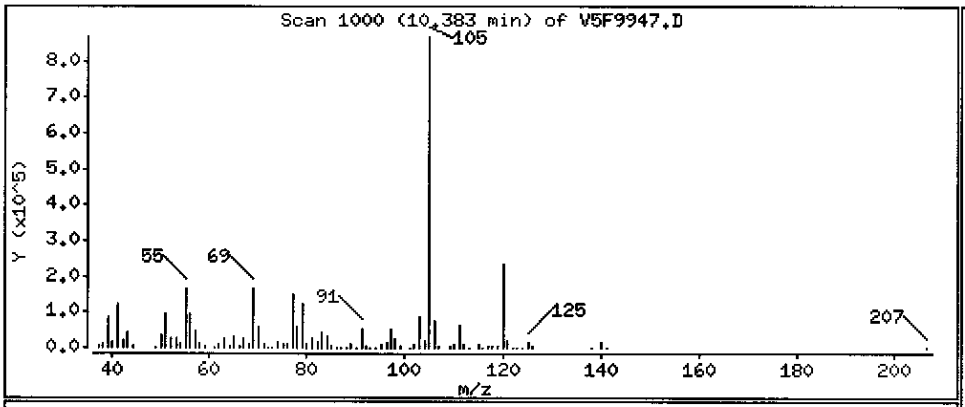
Operator: JC SRC: LIMS

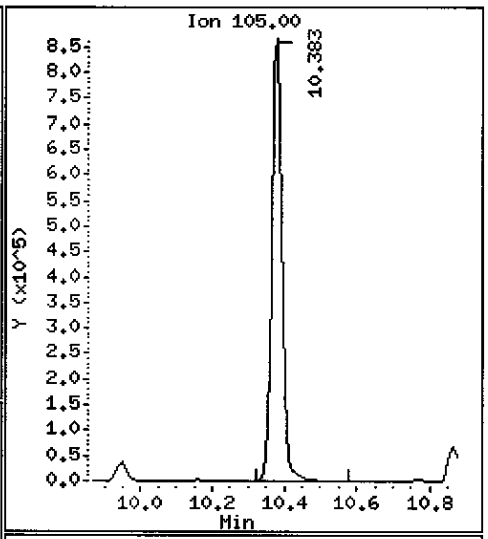
Column phase: DB-624

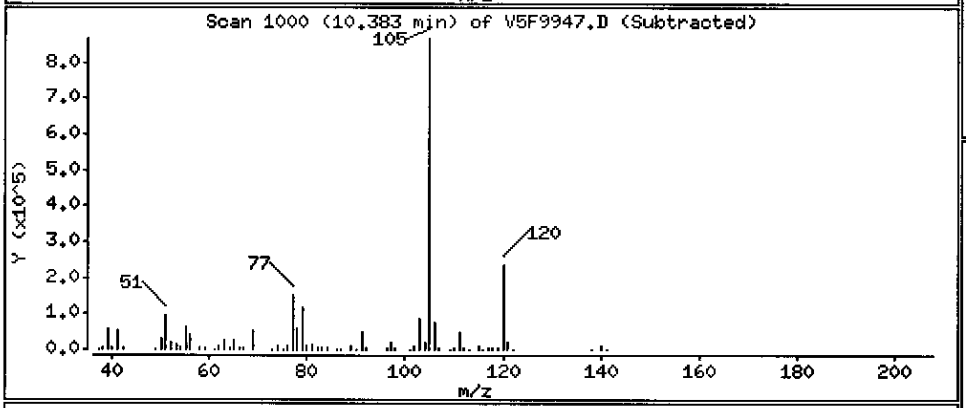
Column diameter: 0.25

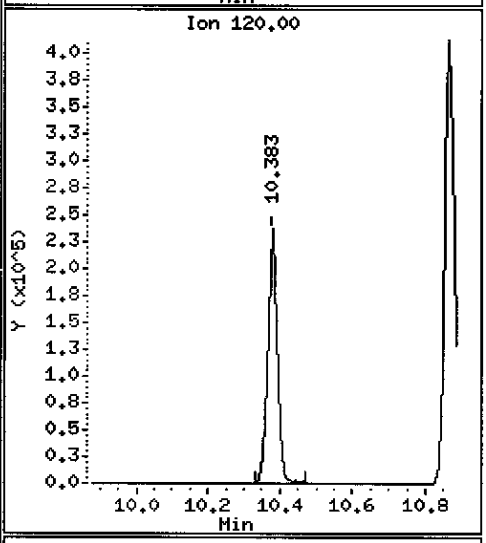
49 Isopropylbenzene

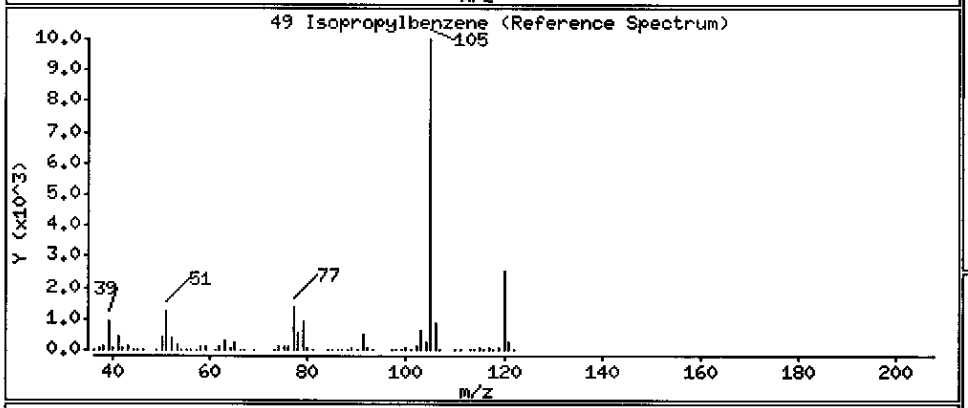
Concentration: 230 ug/Kg

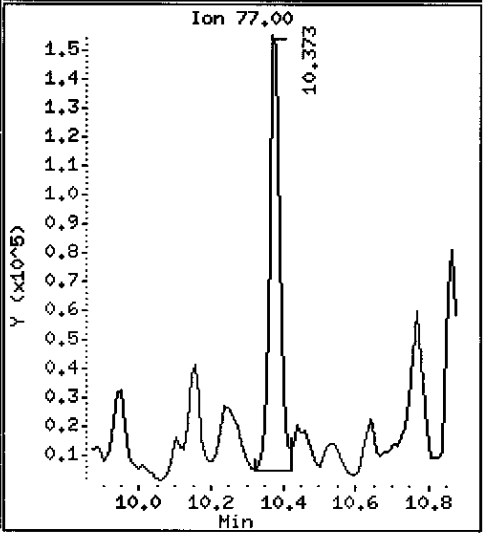


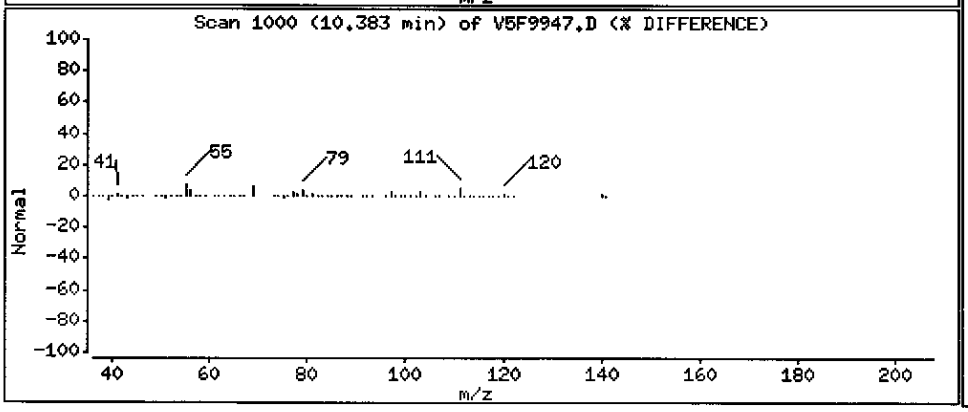












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D

Date : 13-MAY-2005 13:38

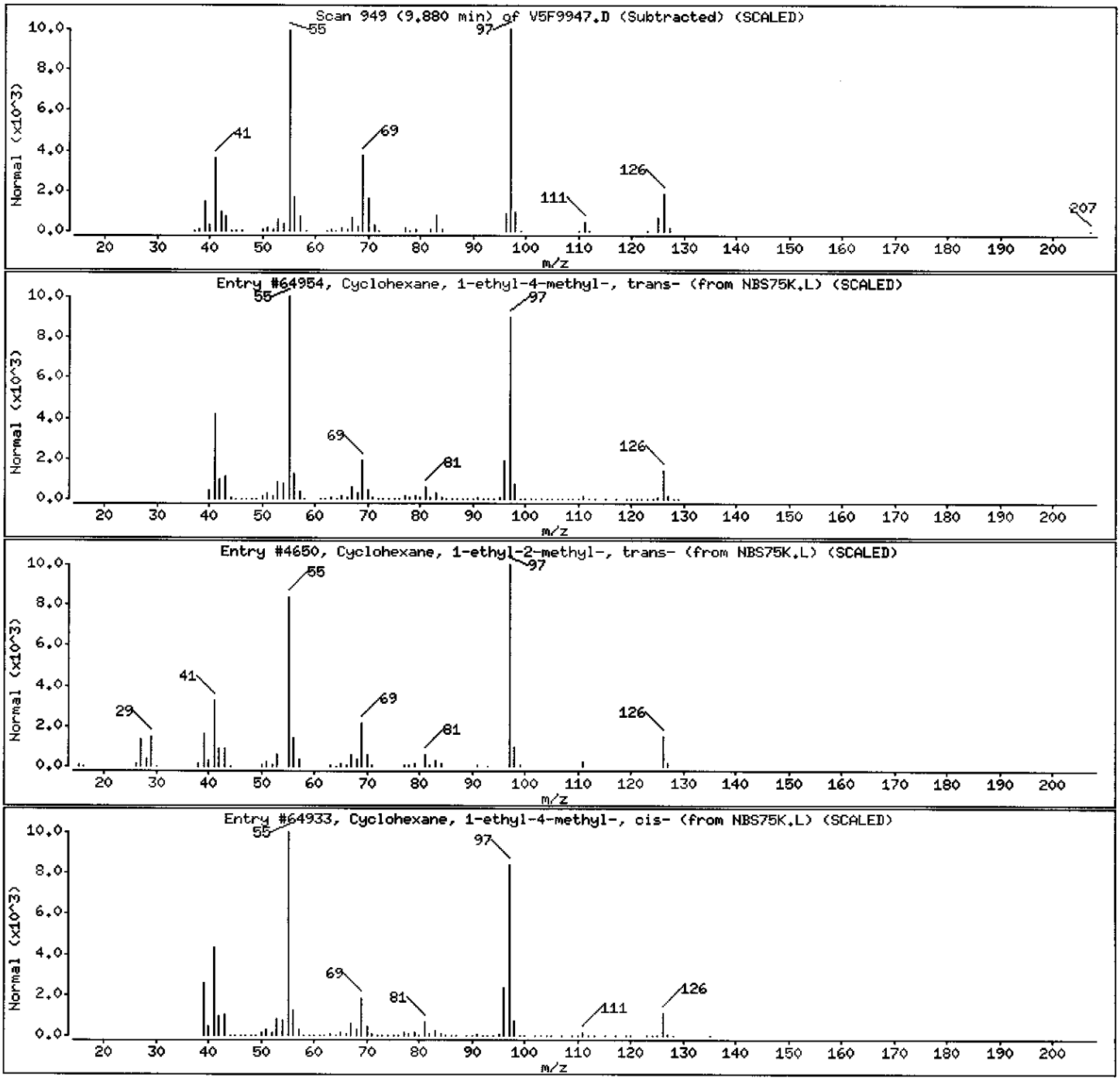
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, 1-ethyl-4-methyl-, trans-	6236-88-0	NBS75K.L	64954	83	C9H18	126
Cyclohexane, 1-ethyl-2-methyl-, trans-	4923-78-8	NBS75K.L	4650	80	C9H18	126
Cyclohexane, 1-ethyl-4-methyl-, cis-	4926-78-7	NBS75K.L	64933	72	C9H18	126



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D

Date : 13-MAY-2005 13:38

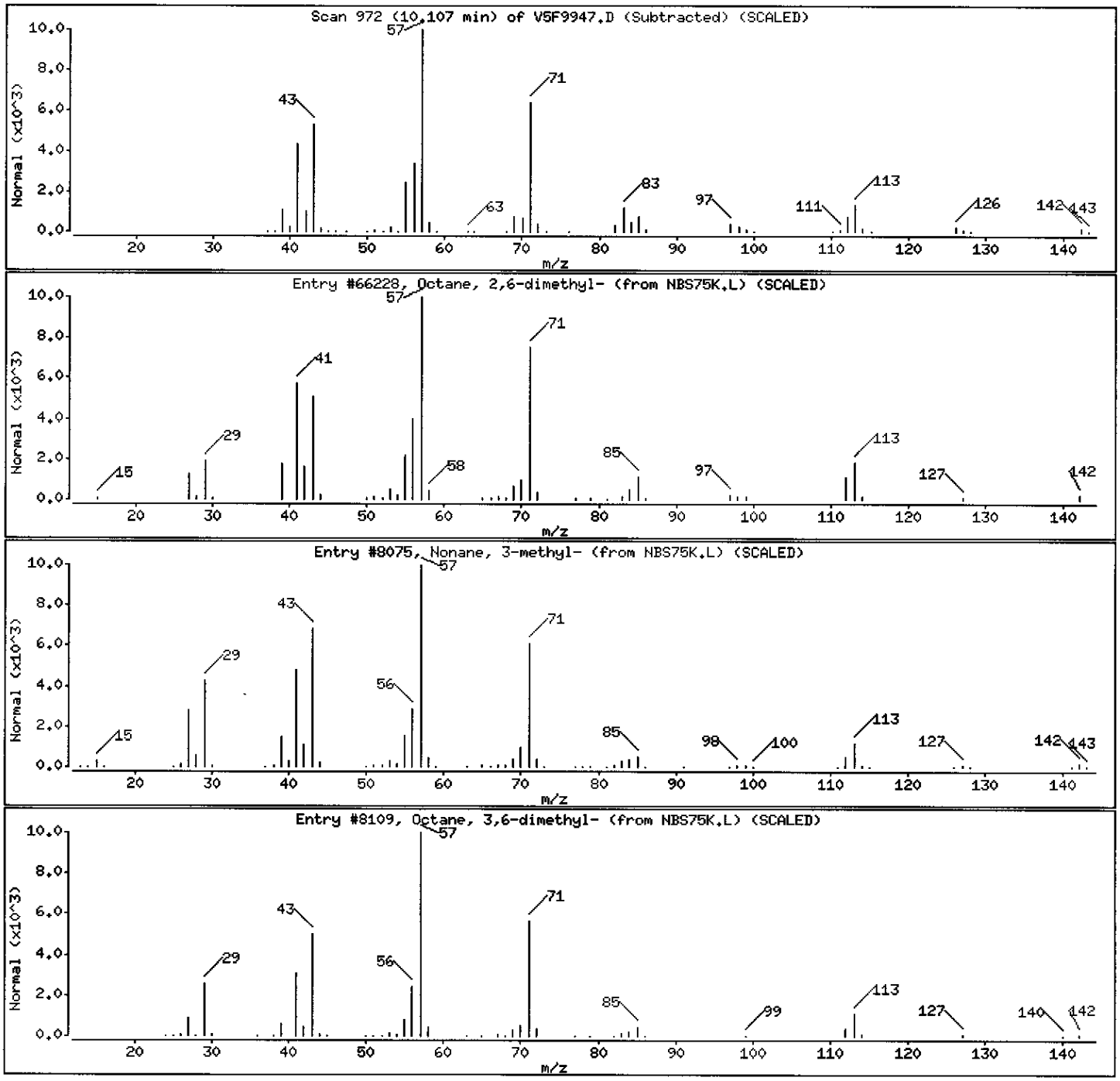
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Branched Alkane						
Octane, 2,6-dimethyl-	2051-30-1	NBS75K.L	66228	94	C10H22	142
Nonane, 3-methyl-	5911-04-6	NBS75K.L	8075	87	C10H22	142
Octane, 3,6-dimethyl-	15869-94-0	NBS75K.L	8109	87	C10H22	142



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D

Date : 13-MAY-2005 13:38

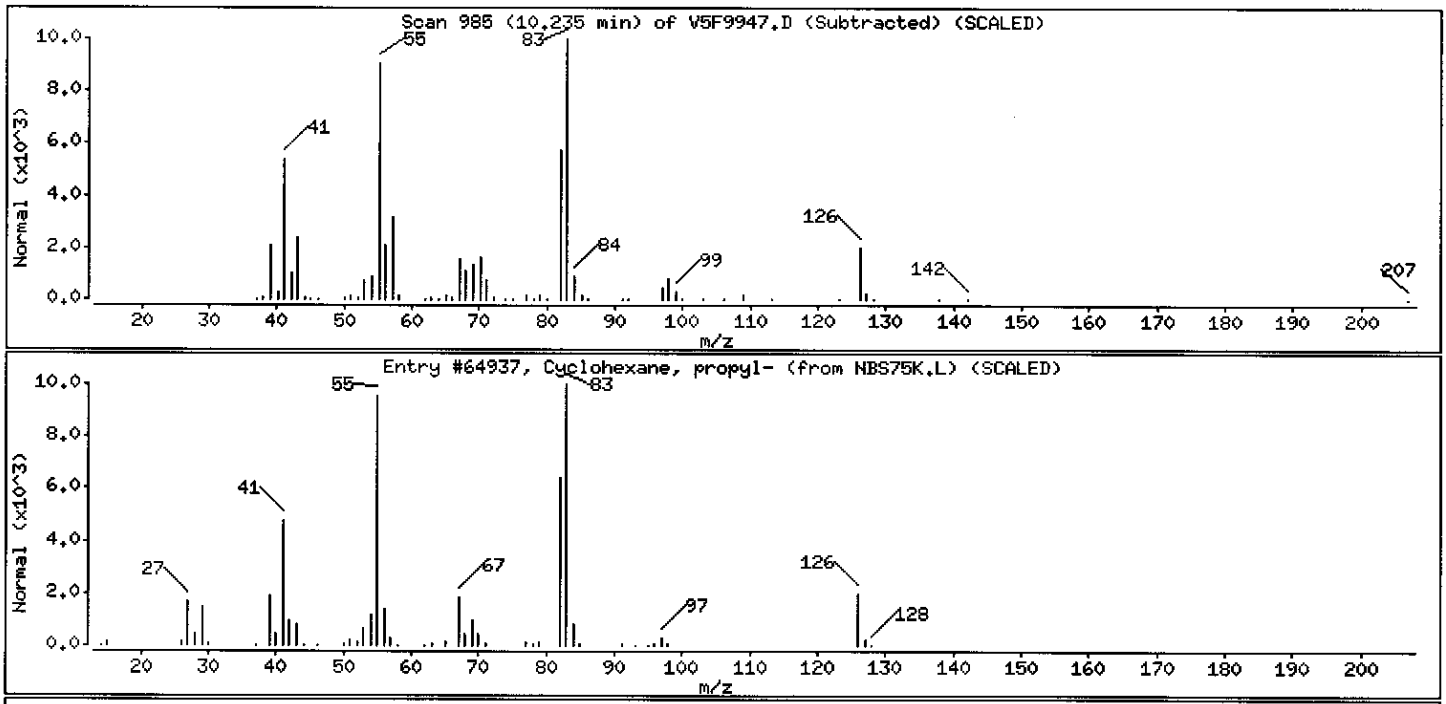
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclic Alkane						
Cyclohexane, propyl-	1678-92-8	NBS75K.L	64937	90	C9H18	126



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Date : 13-MAY-2005 13:38

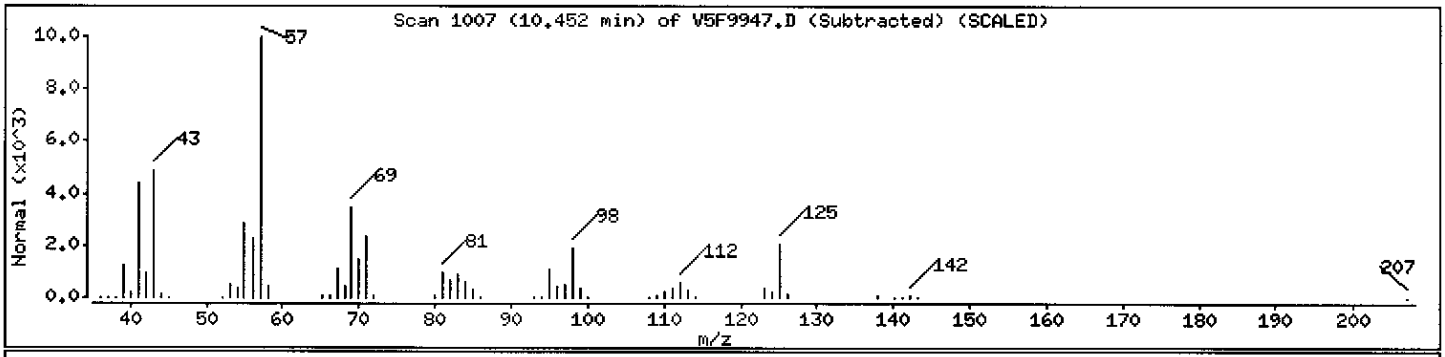
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 13-MAY-2005 13:38

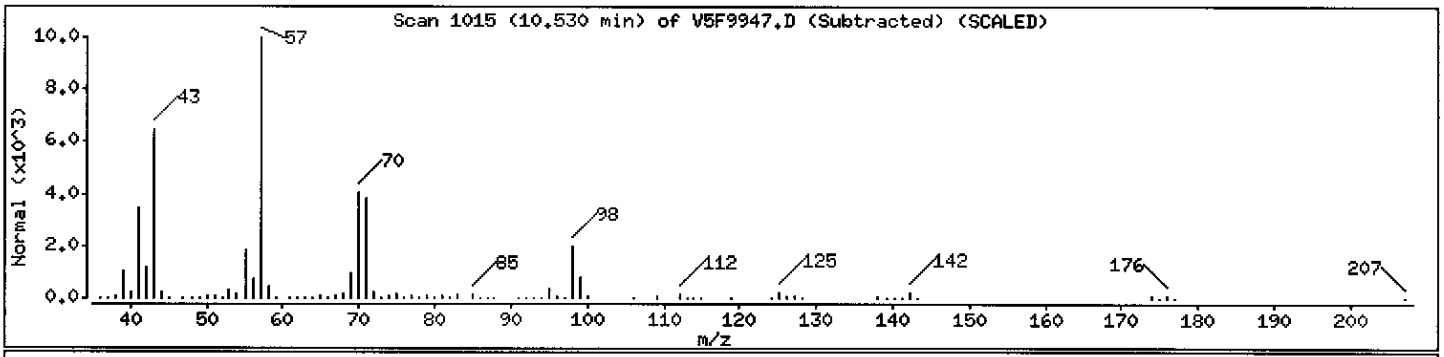
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 13-MAY-2005 13:38

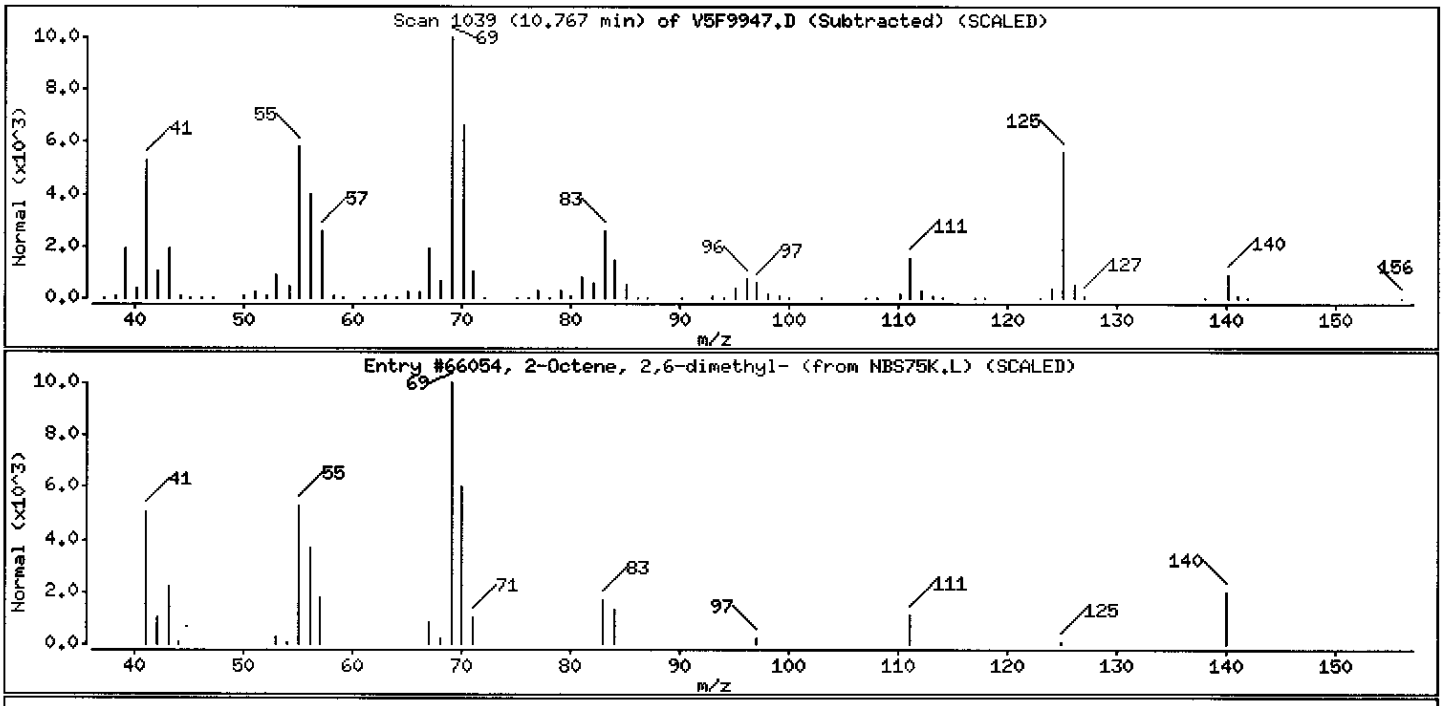
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Octene, 2,6-dimethyl-	4057-42-5	NBS75K.L	66054	68	C10H20	140



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Date : 13-MAY-2005 13:38

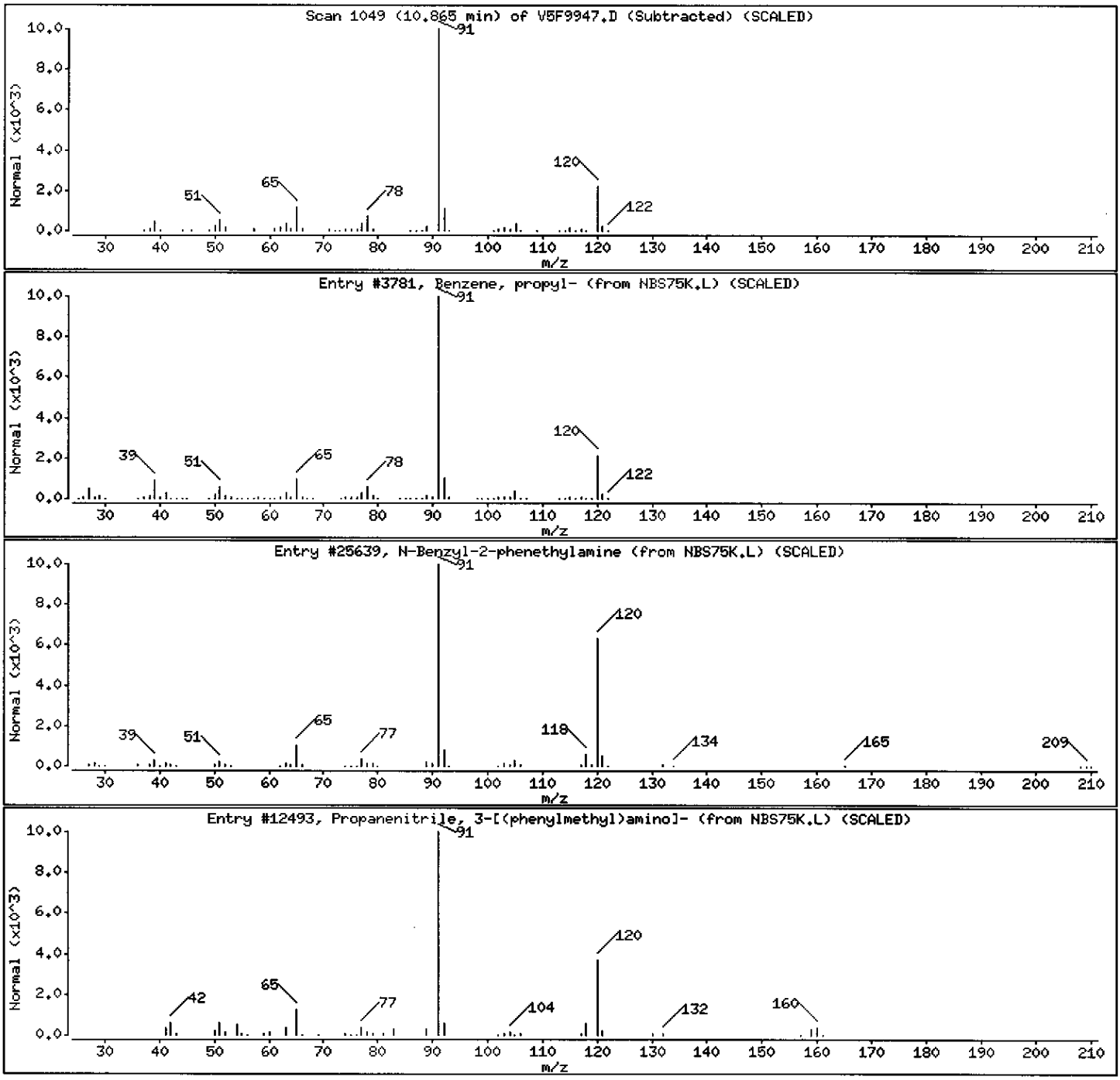
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, propyl-	103-65-1	NBS75K.L	3781	91	C9H12	120
N-Benzyl-2-phenethylamine	3647-71-0	NBS75K.L	25639	78	C15H17N	211
Propanenitrile, 3-[(phenylmethyl)amino]-	706-03-6	NBS75K.L	12493	72	C10H12N2	160



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Date : 13-MAY-2005 13:38

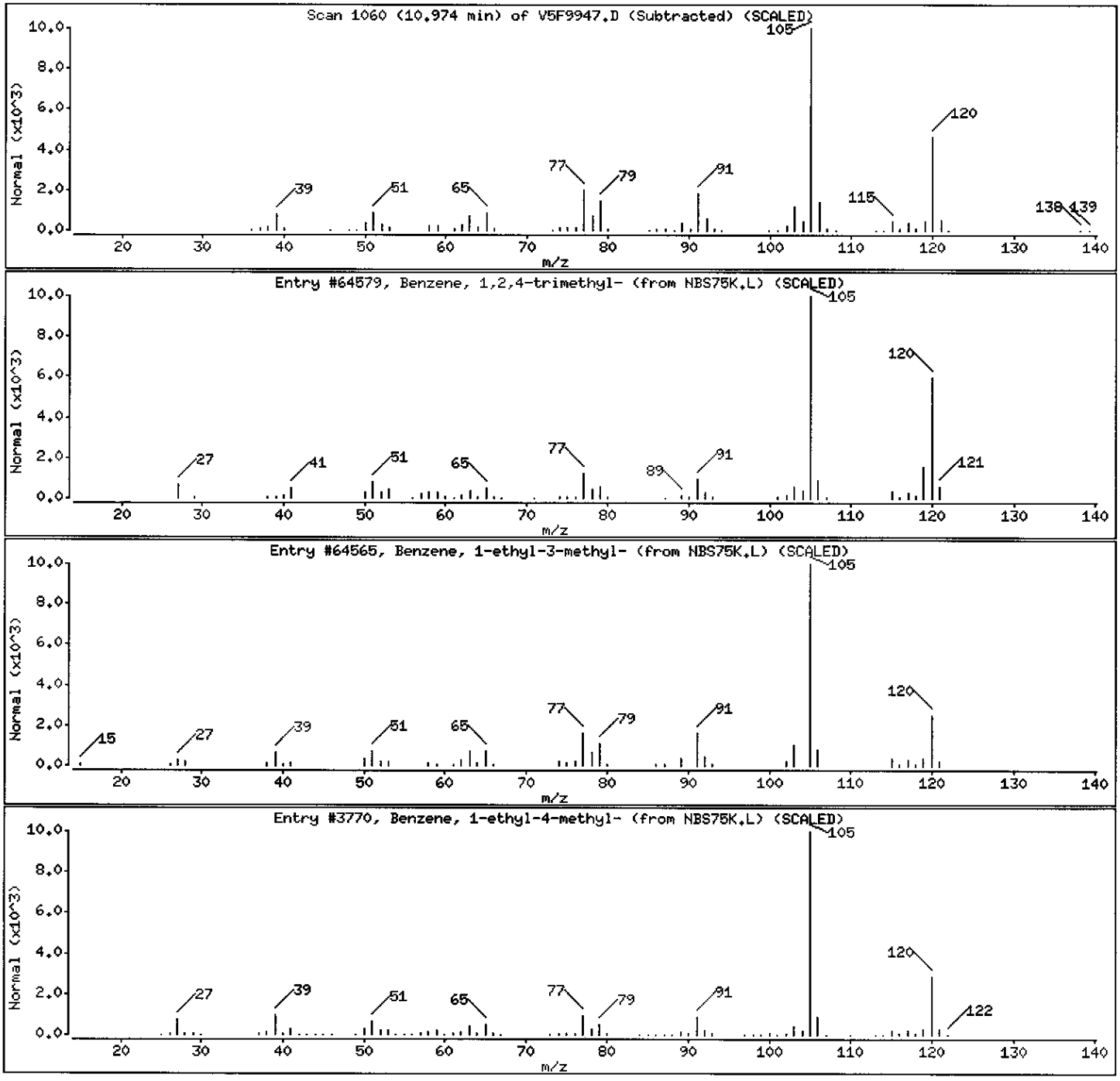
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,4-trimethyl-	95-63-6	NBS75K.L	64579	91	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NBS75K.L	64565	90	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NBS75K.L	3770	90	C9H12	120



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Date : 13-MAY-2005 13:38

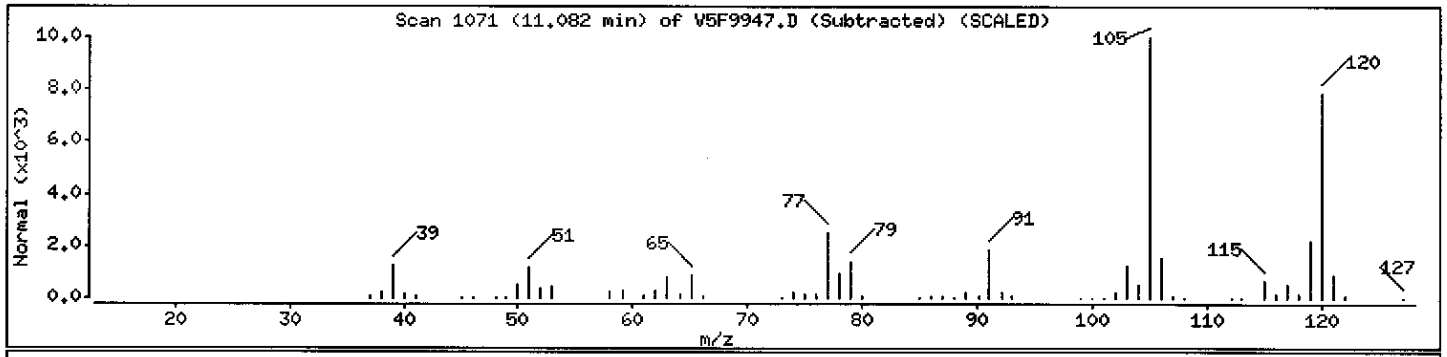
Client ID: B-440 Instrument: v5.i

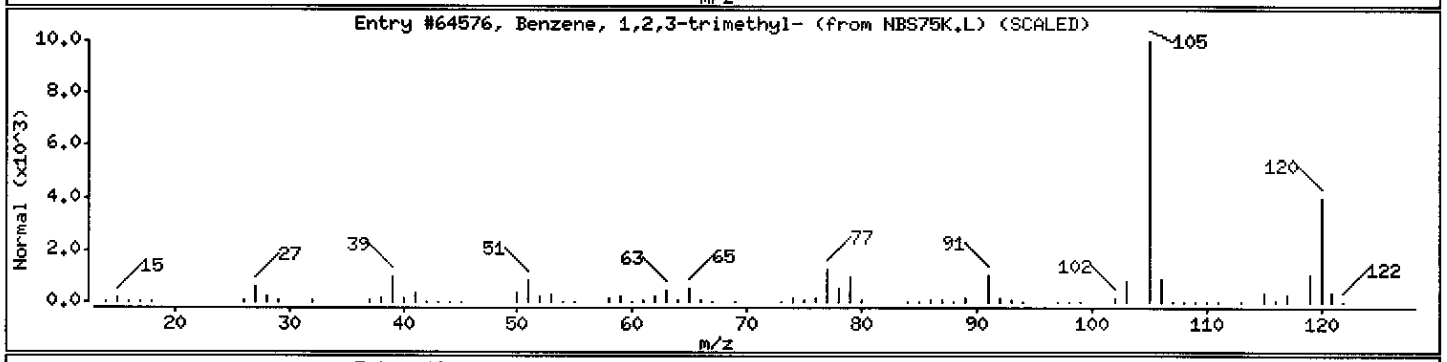
Sample Info: ,D0523-02A,,18114

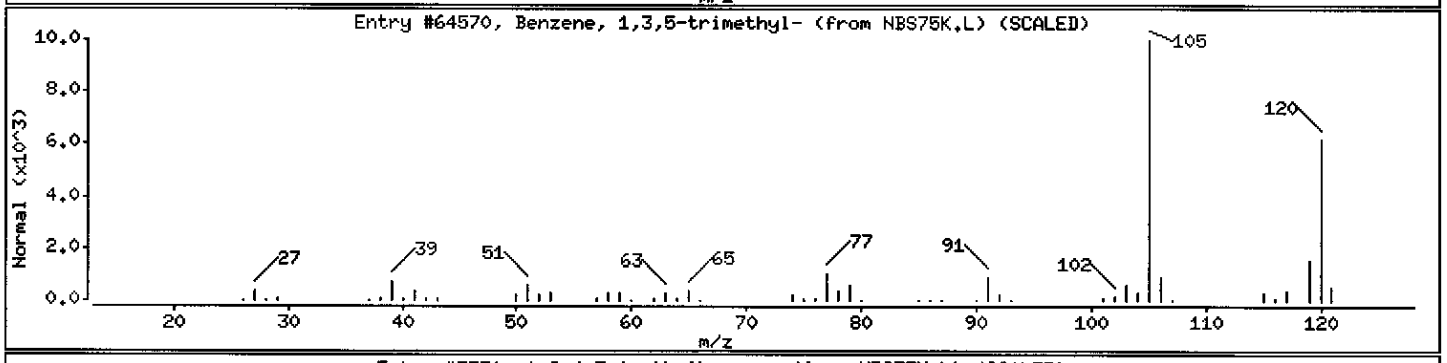
Operator: JC SRC: LIMS

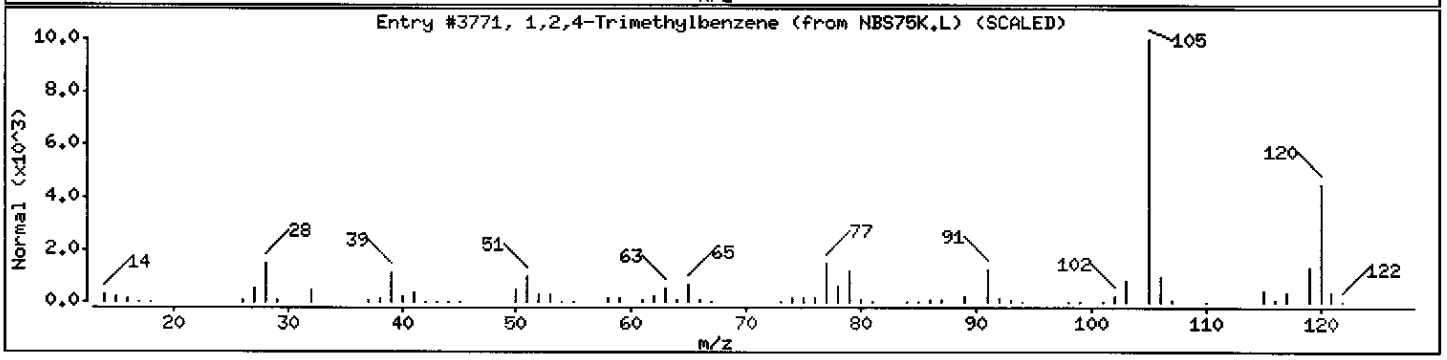
Column phase: DB-624 **Column diameter:** 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.L	64576	93	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.L	64570	91	C9H12	120
1,2,4-Trimethylbenzene	95-36-3	NBS75K.L	3771	91	C9H12	120









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Date : 13-MAY-2005 13:38

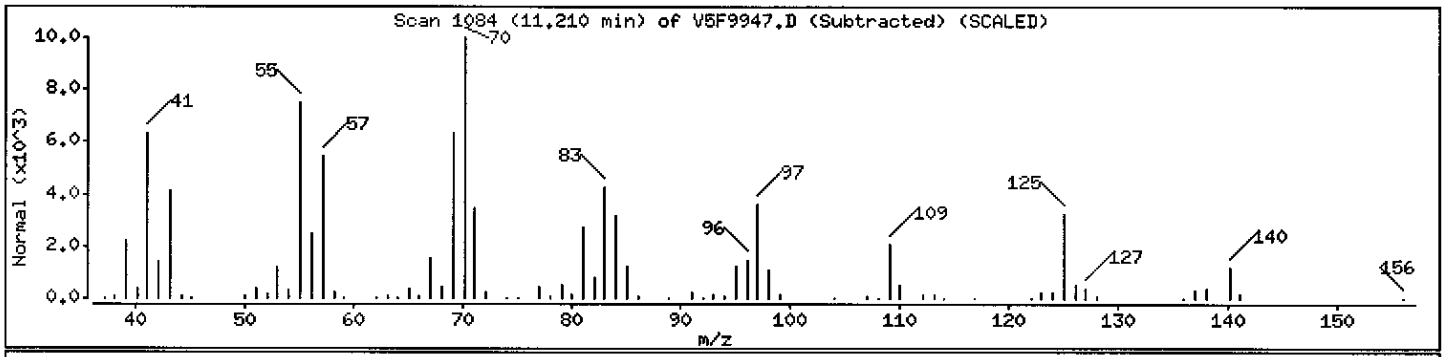
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



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Date : 13-MAY-2005 13:38

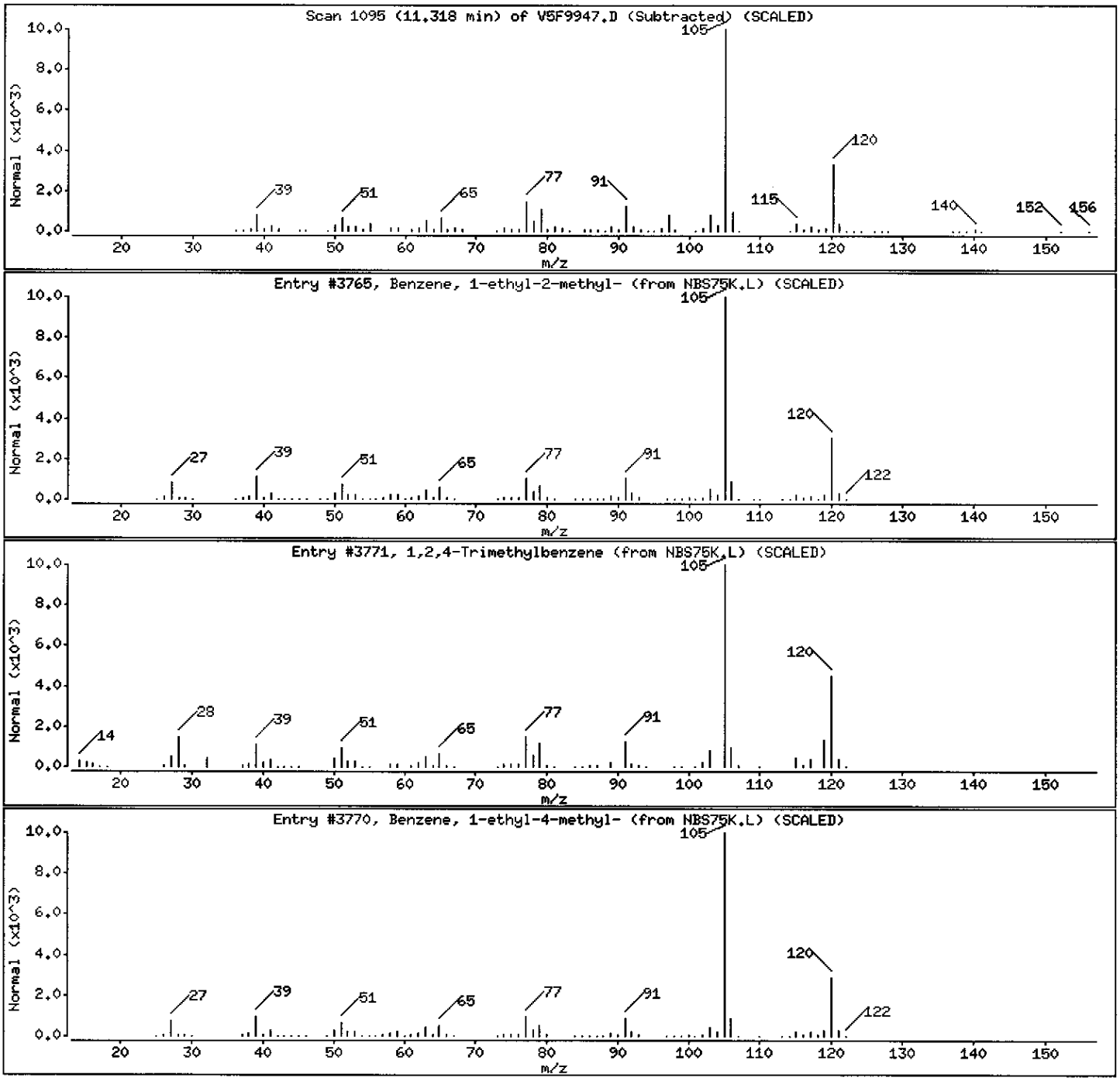
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2-methyl-	611-14-3	NBS75K.L	3765	95	C9H12	120
1,2,4-Trimethylbenzene	95-36-3	NBS75K.L	3771	93	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NBS75K.L	3770	90	C9H12	120



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Date : 13-MAY-2005 13:38

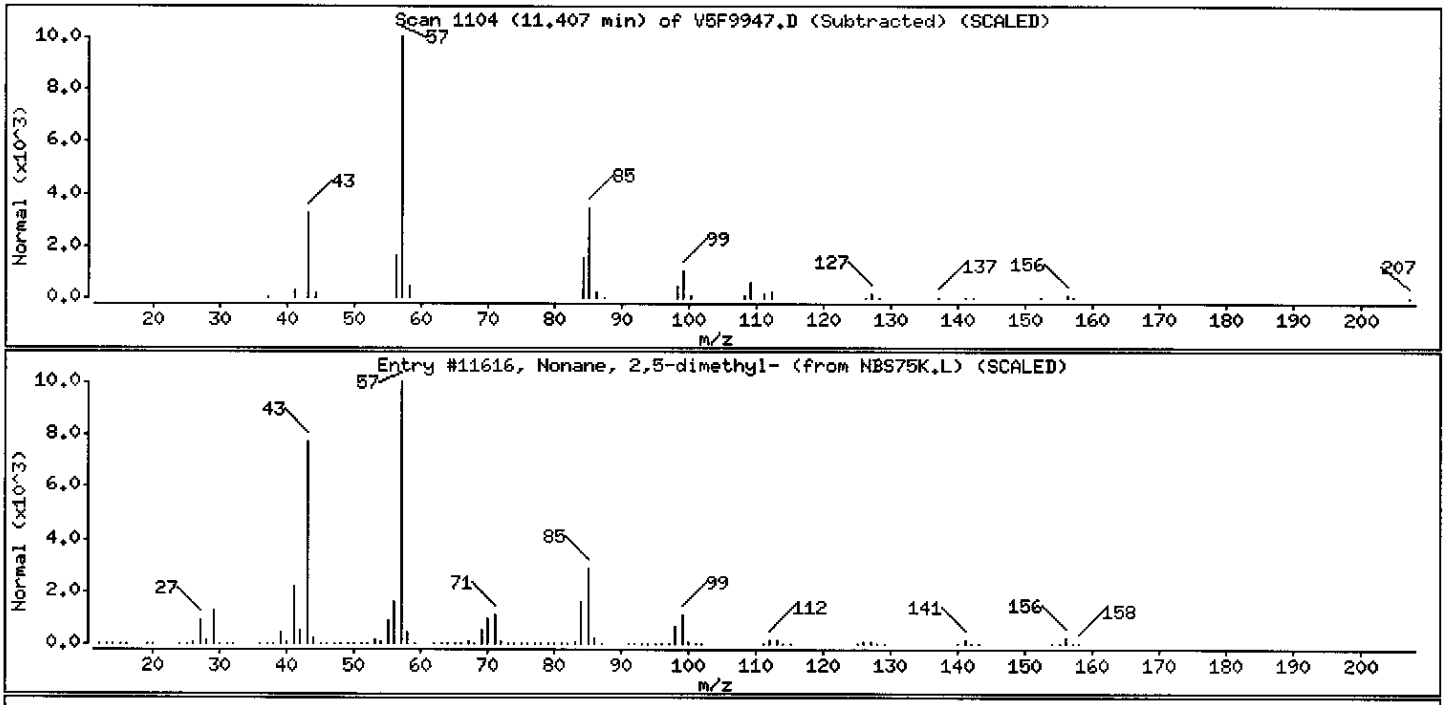
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Nonane, 2,5-dimethyl-	17302-27-1	NBS75K.L	11616	72	C11H24	156



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Date : 13-MAY-2005 13:38

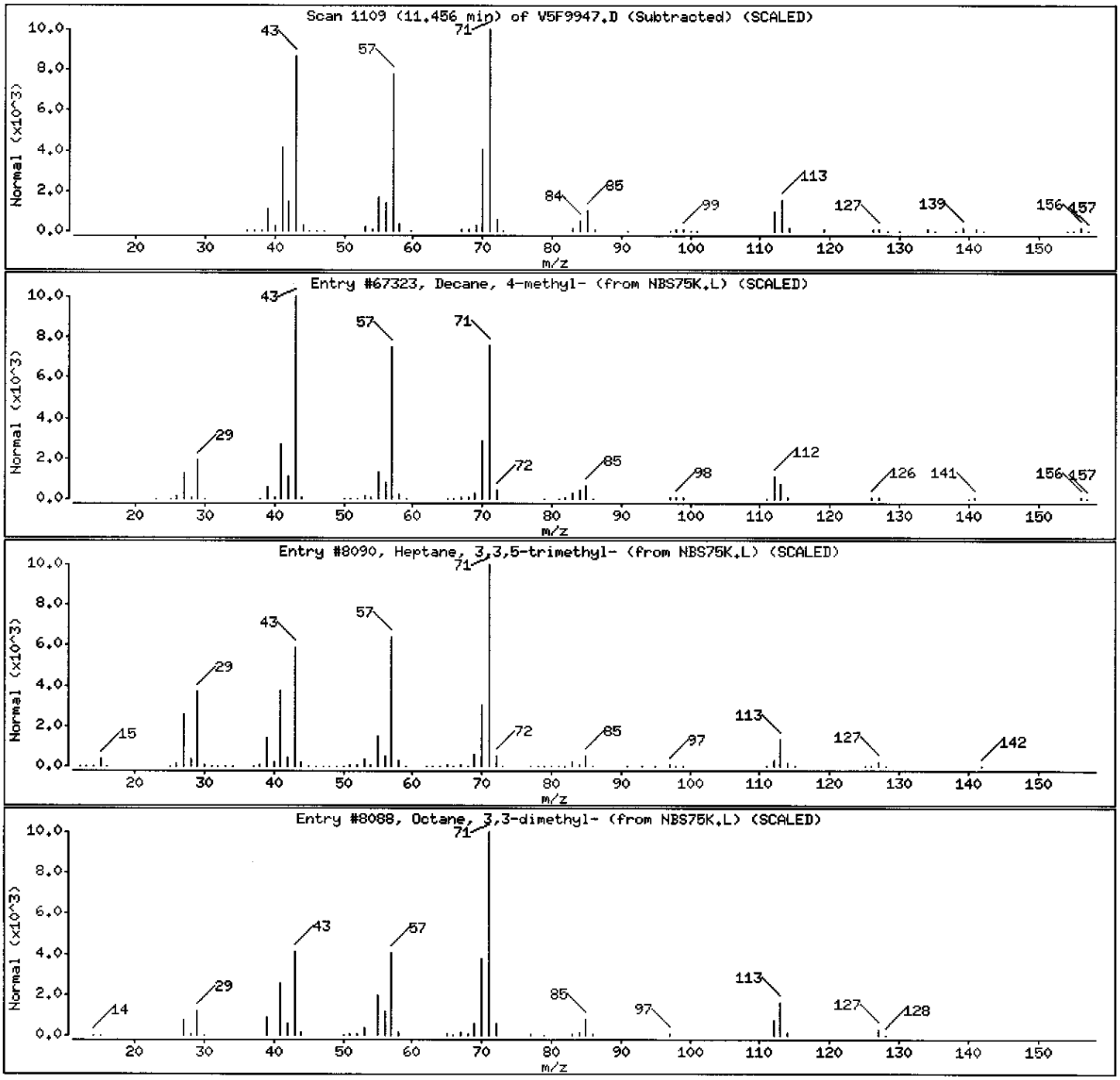
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Branched Alkane						
Decane, 4-methyl-	2847-72-5	NBS75K.L	67323	87	C11H24	156
Heptane, 3,3,5-trimethyl-	7154-80-5	NBS75K.L	8090	78	C10H22	142
Octane, 3,3-dimethyl-	4110-44-5	NBS75K.L	8088	78	C10H22	142



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Date : 13-MAY-2005 13:38

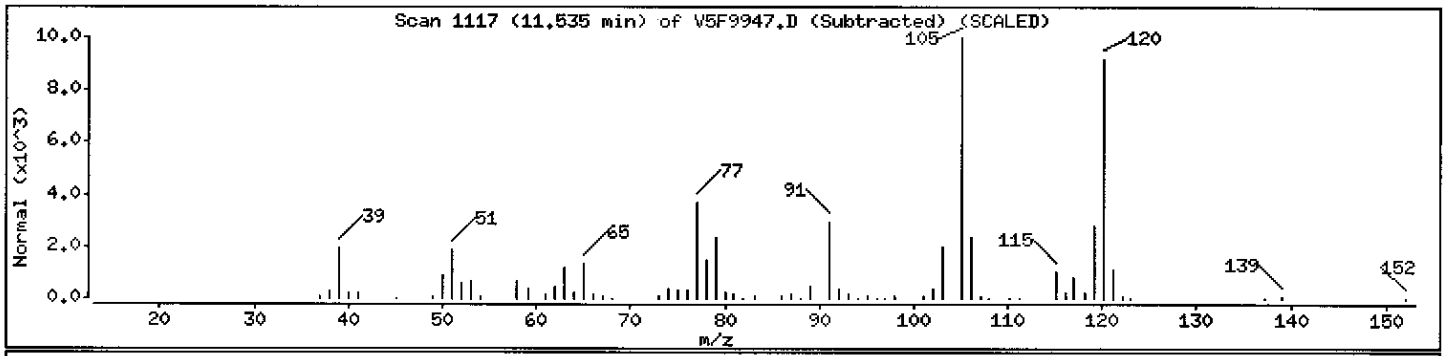
Client ID: B-440 Instrument: v5.i

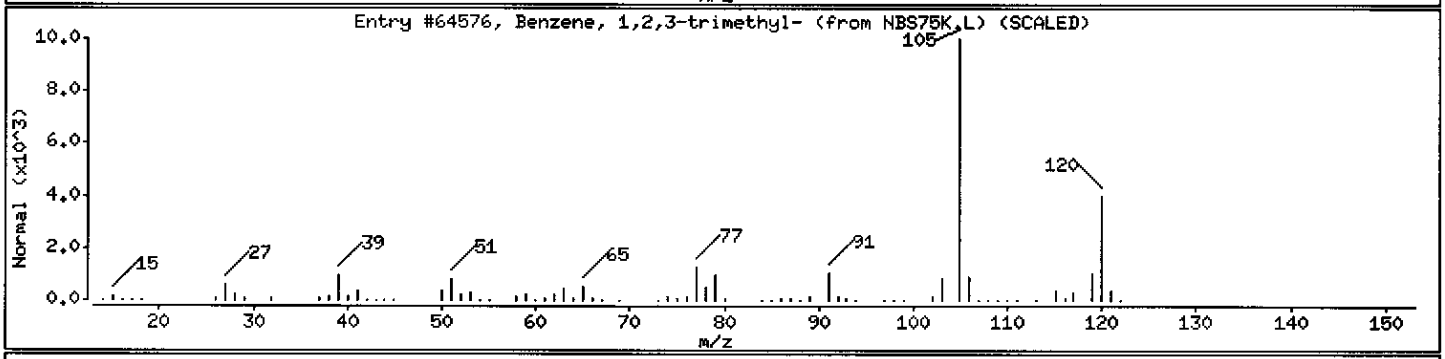
Sample Info: ,D0523-02A,,18114

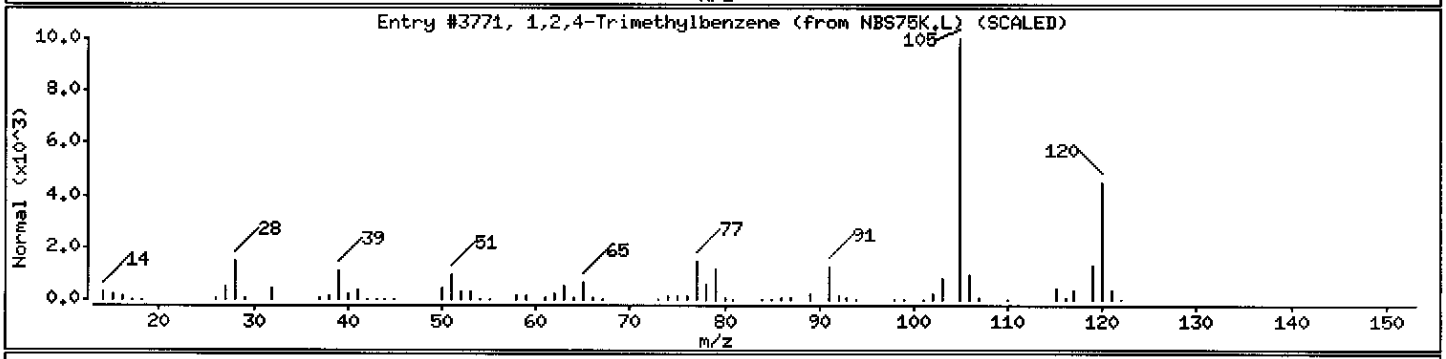
Operator: JC SRC: LIMS

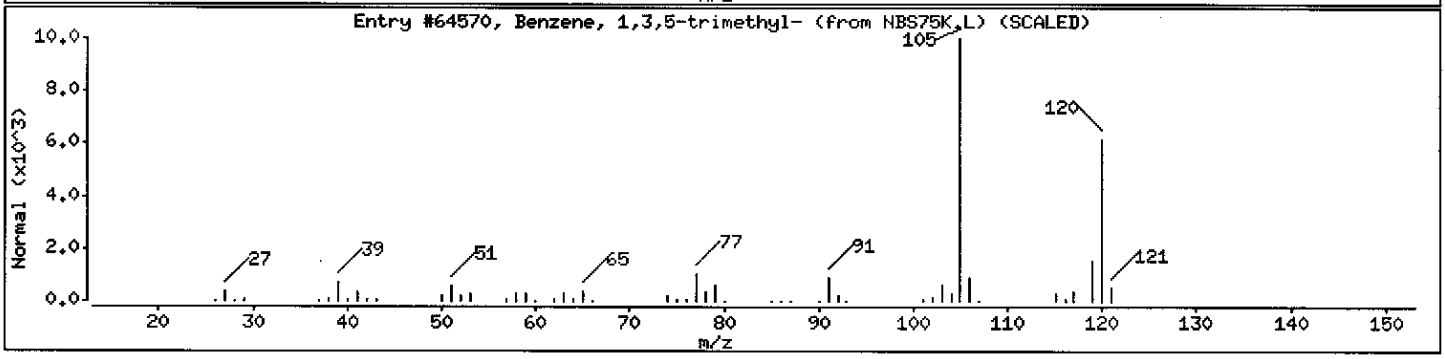
Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.L	64576	94	C9H12	120
1,2,4-Trimethylbenzene	95-36-3	NBS75K.L	3771	91	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.L	64570	87	C9H12	120









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Date : 13-MAY-2005 13:38

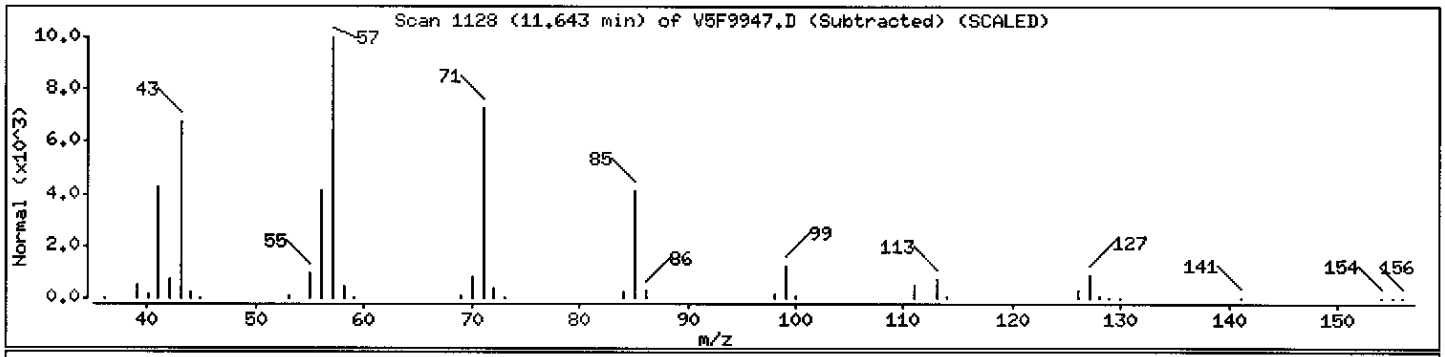
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 13-MAY-2005 13:38

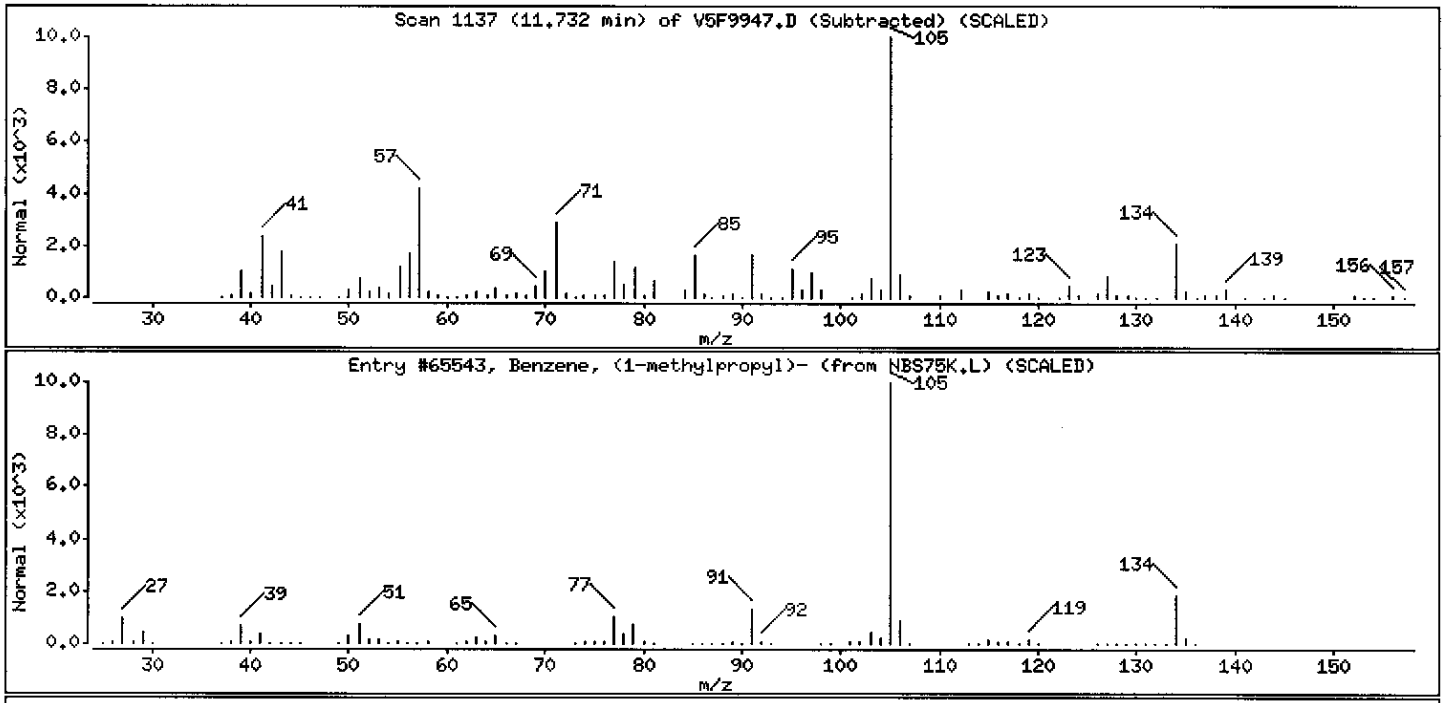
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, (1-methylpropyl)-	135-98-8	NBS75K.L	65543	83	C10H14	134



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Date : 13-MAY-2005 13:38

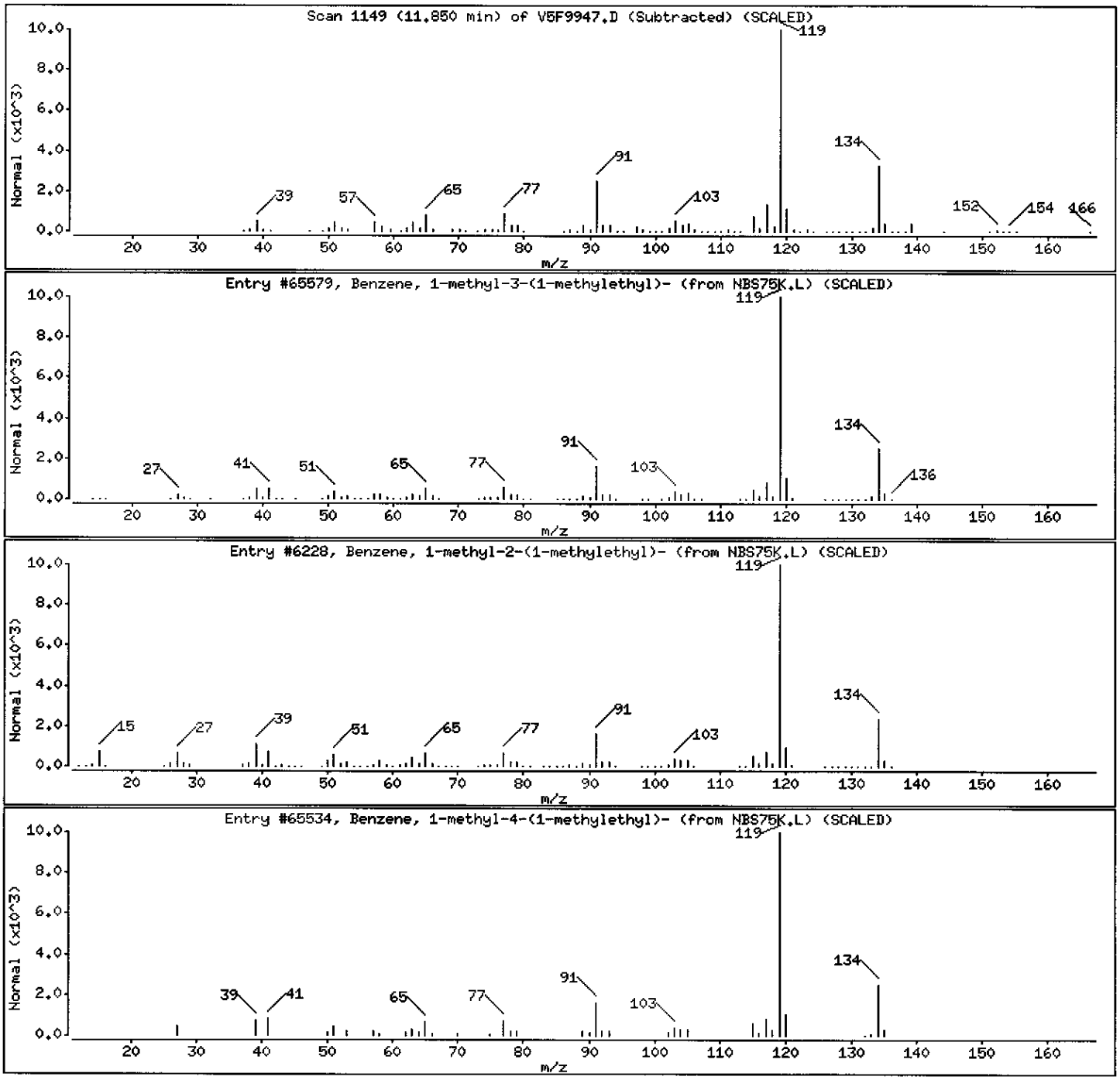
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NBS75K.L	65579	95	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS75K.L	6228	95	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.L	65534	95	C10H14	134



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Date : 13-MAY-2005 13:38

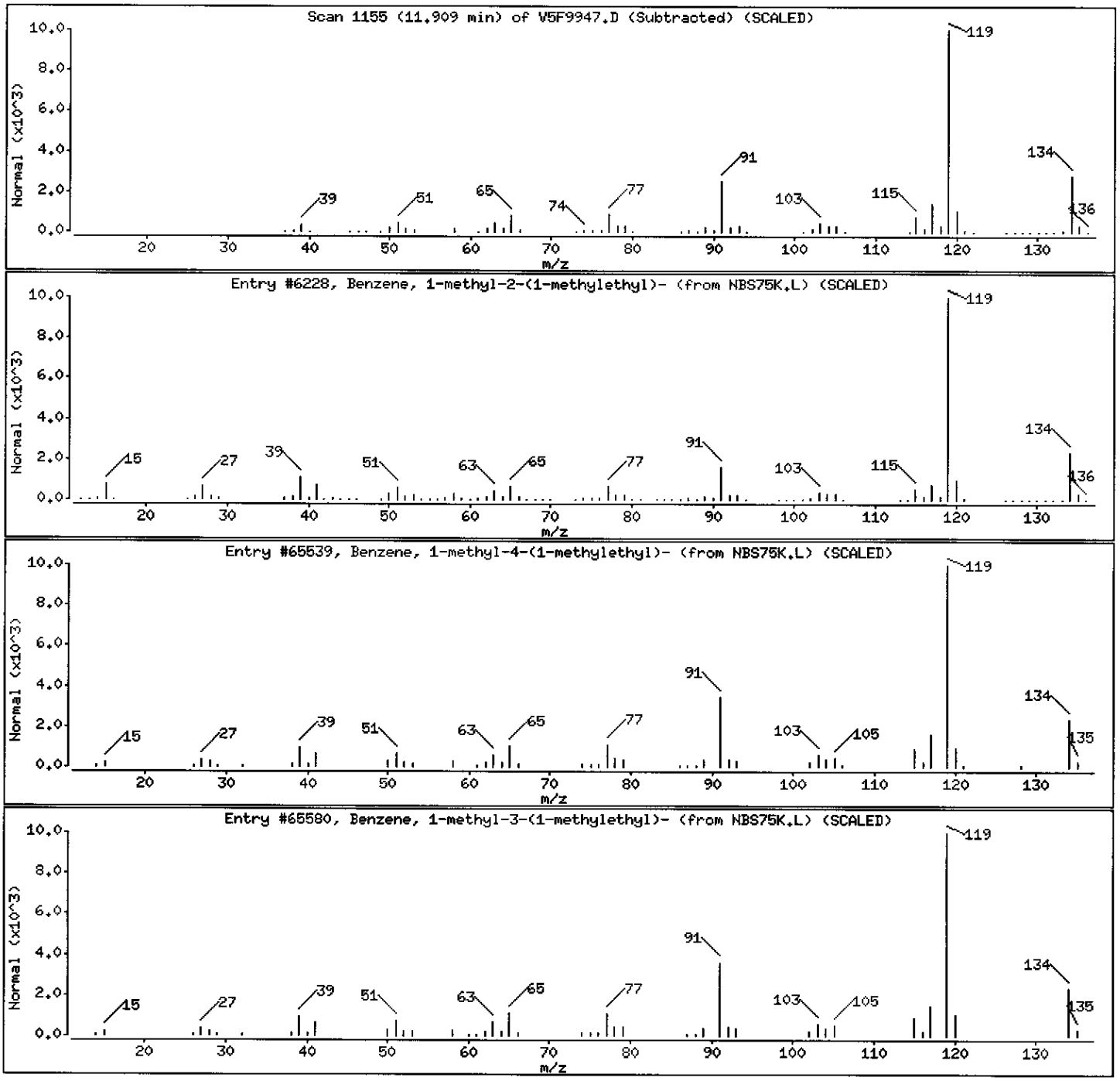
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS75K.L	6228	95	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.L	65539	95	C10H14	134
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NBS75K.L	65580	95	C10H14	134



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Date : 13-MAY-2005 13:38

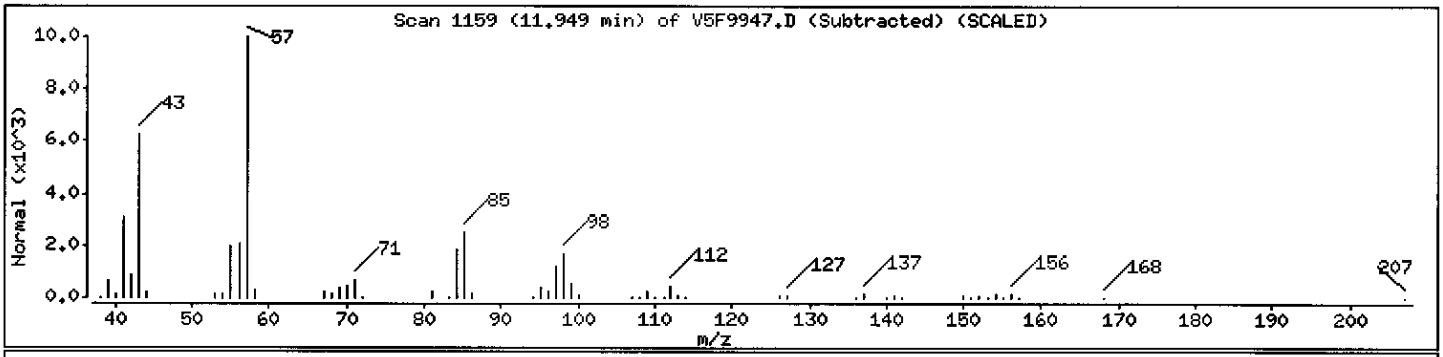
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 13-MAY-2005 13:38

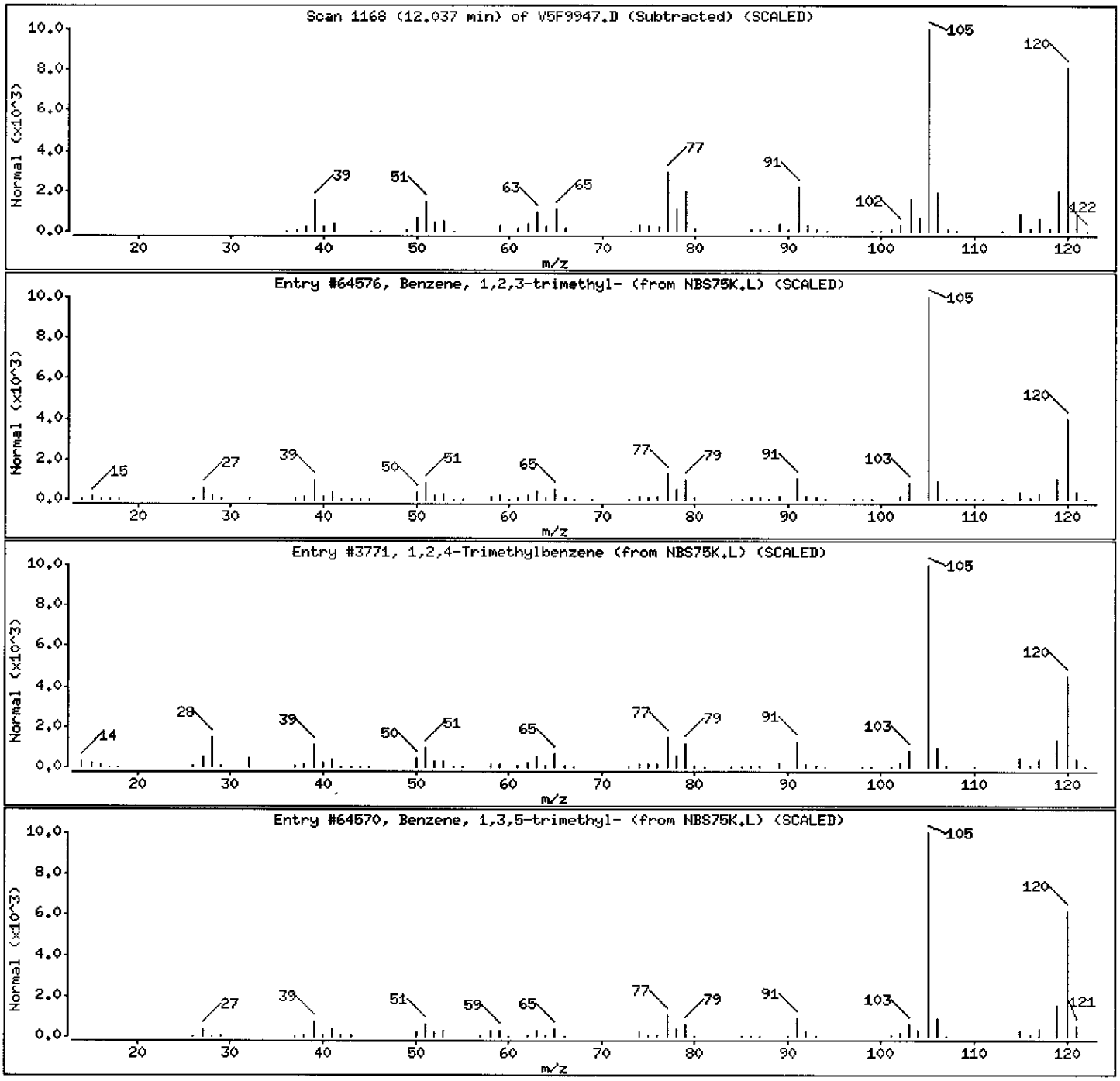
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3-trimethyl-	526-73-8	NBS75K.L	64576	94	C9H12	120
1,2,4-Trimethylbenzene	95-36-3	NBS75K.L	3771	91	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NBS75K.L	64570	91	C9H12	120



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Date : 13-MAY-2005 13:38

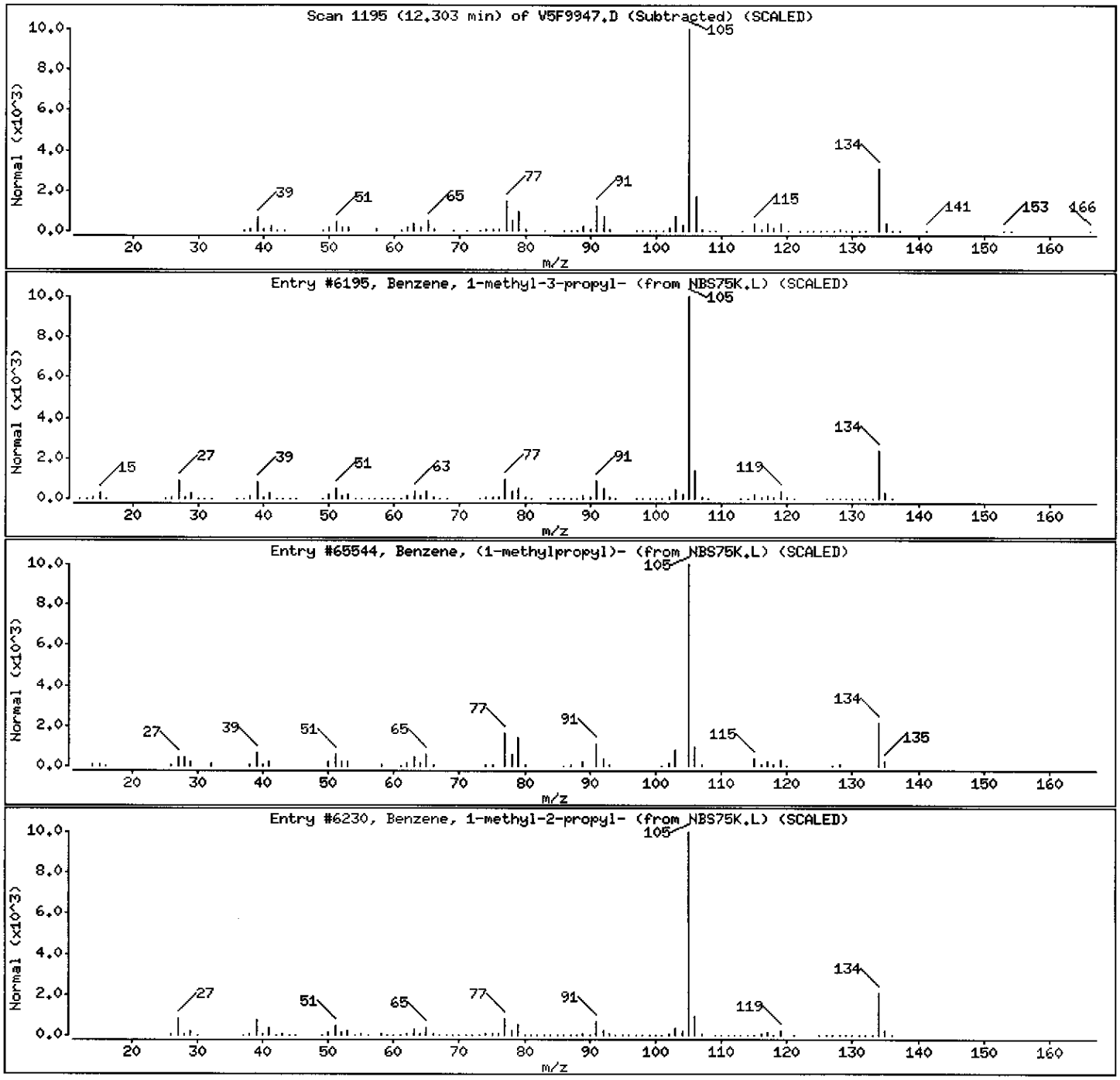
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-3-propyl-	1074-43-7	NBS75K.L	6195	94	C10H14	134
Benzene, (1-methylpropyl)-	135-98-8	NBS75K.L	65544	94	C10H14	134
Benzene, 1-methyl-2-propyl-	1074-17-5	NBS75K.L	6230	81	C10H14	134



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Date : 13-MAY-2005 13:38

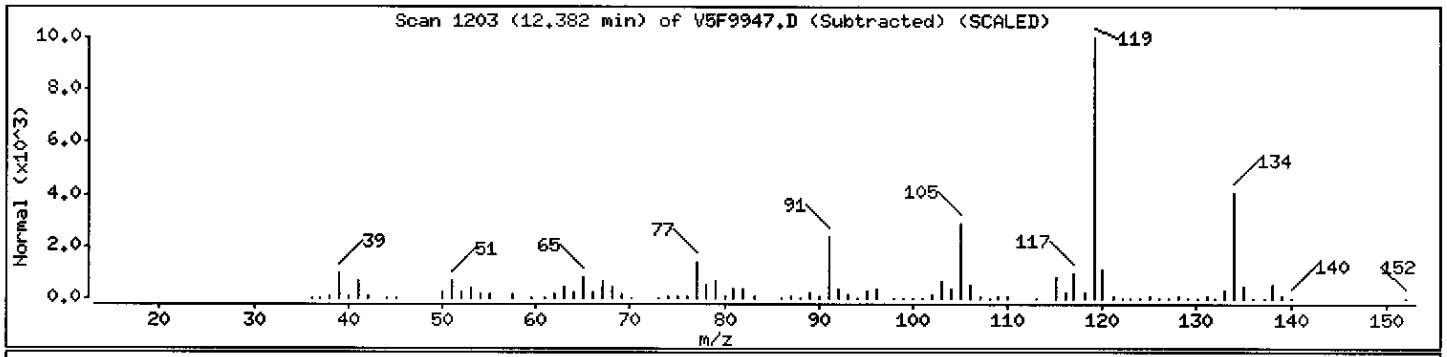
Client ID: B-440 Instrument: v5.i

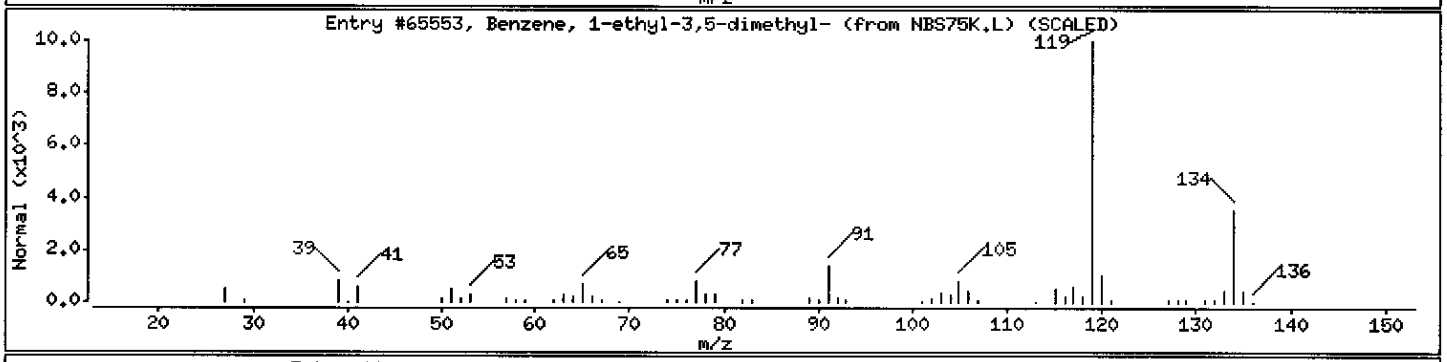
Sample Info: ,D0523-02A,,18114

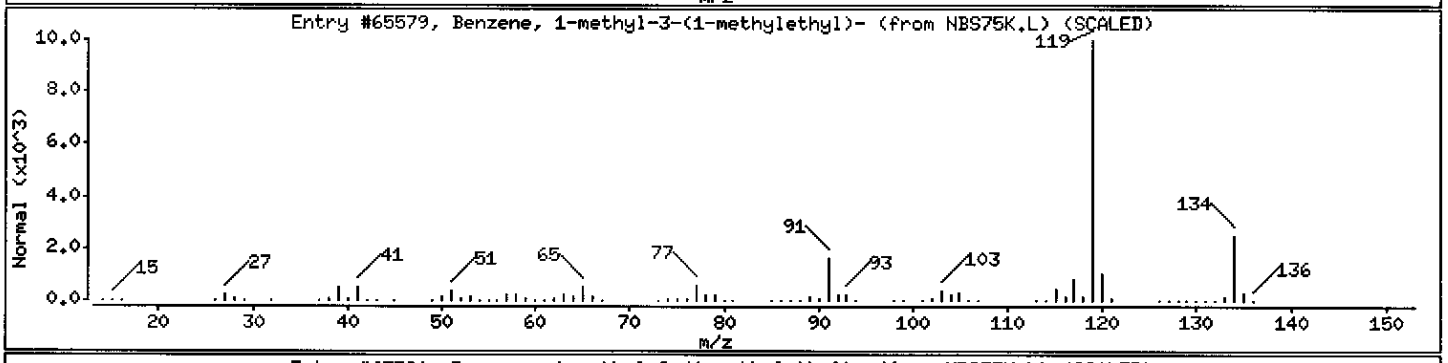
Operator: JC SRC: LIMS

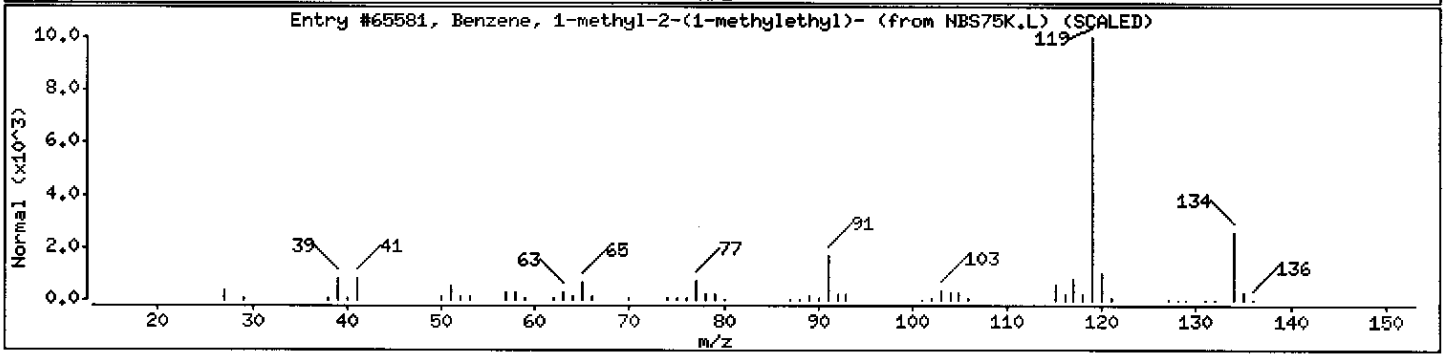
Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NBS75K.L	65553	95	C10H14	134
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NBS75K.L	65579	94	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS75K.L	65581	94	C10H14	134









Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D

Date : 13-MAY-2005 13:38

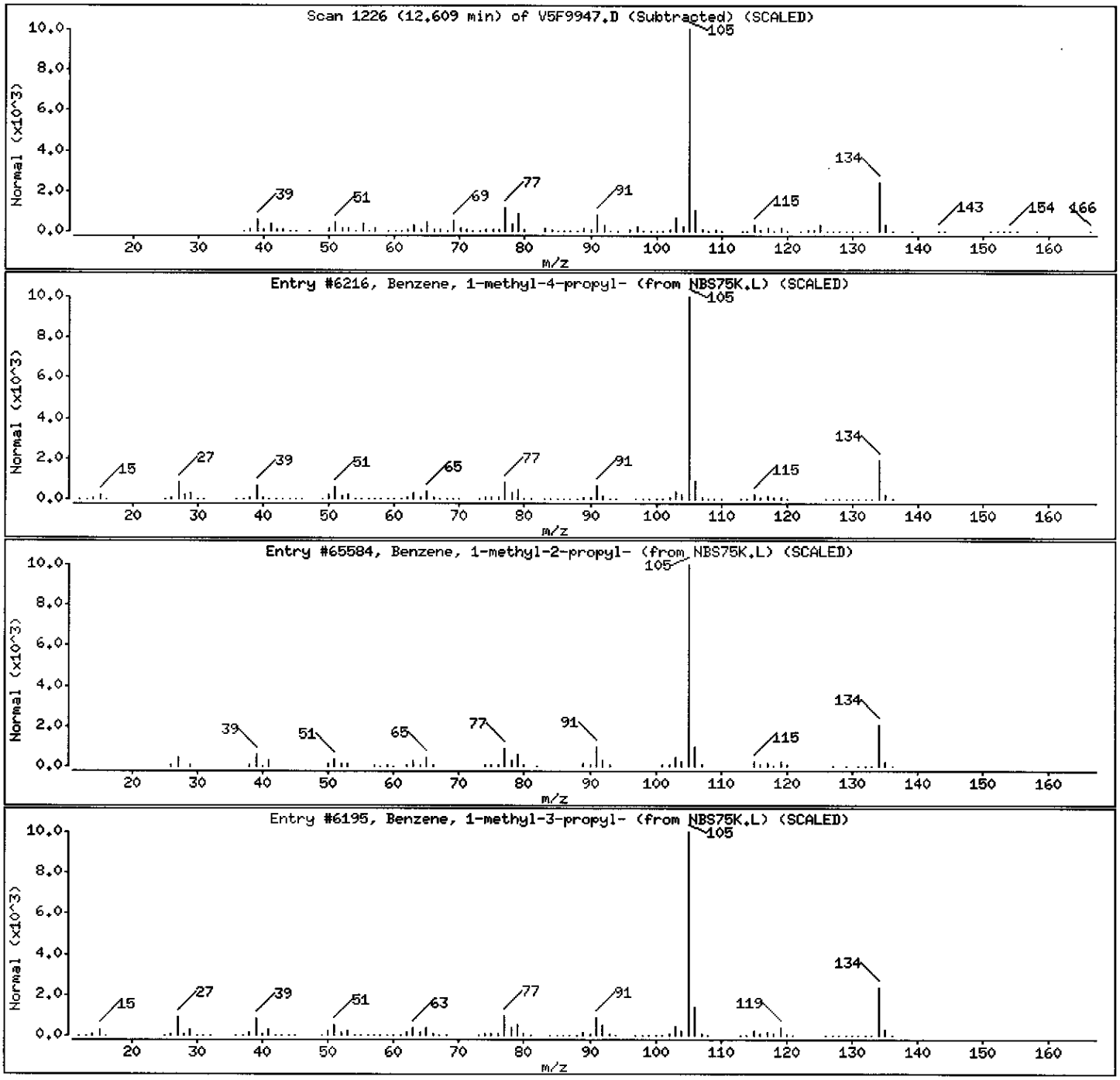
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-4-propyl-	1074-55-1	NBS75K.L	6216	94	C10H14	134
Benzene, 1-methyl-2-propyl-	1074-17-5	NBS75K.L	65584	94	C10H14	134
Benzene, 1-methyl-3-propyl-	1074-43-7	NBS75K.L	6195	90	C10H14	134



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D

Date : 13-MAY-2005 13:38

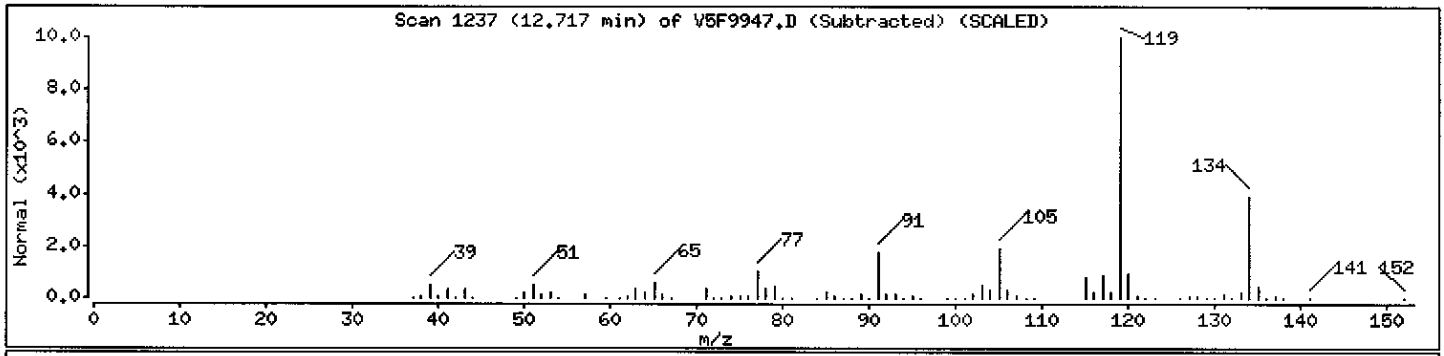
Client ID: B-440 Instrument: v5.i

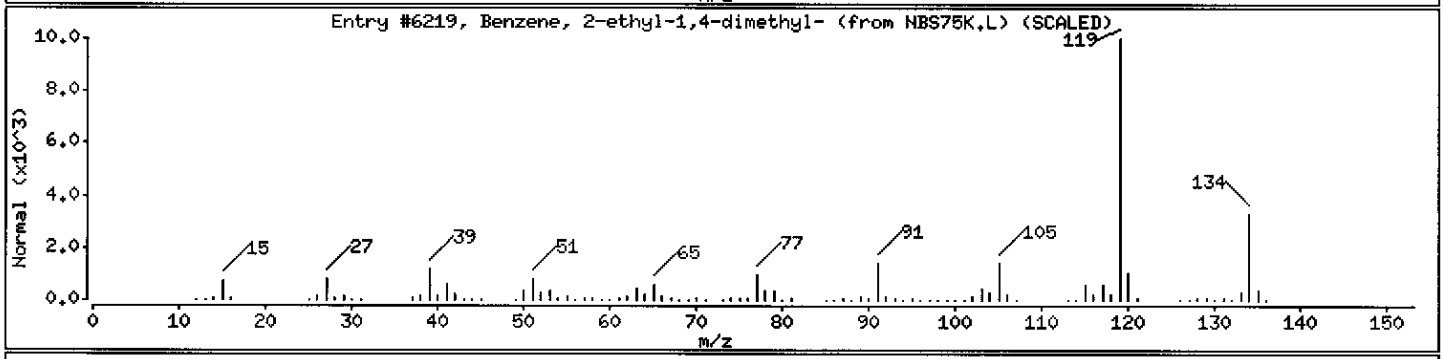
Sample Info: ,D0523-02A,,18114

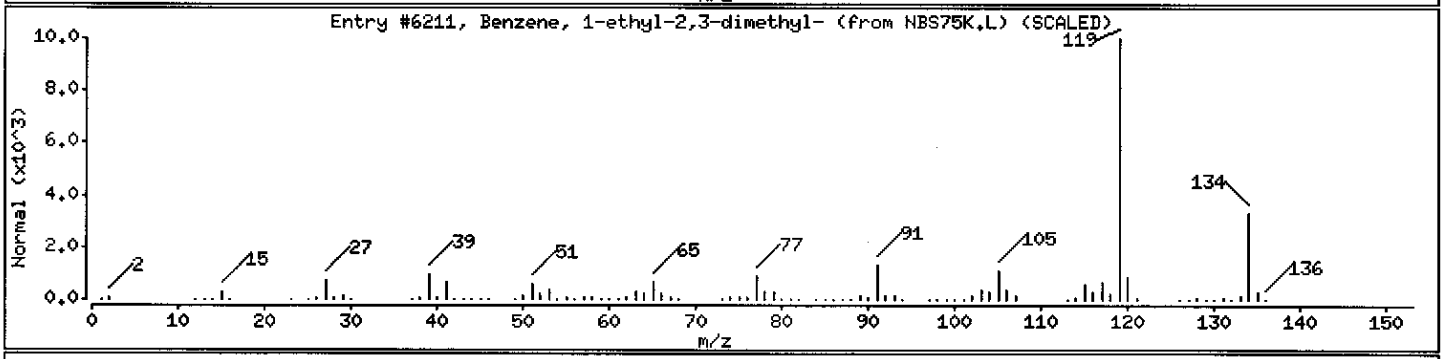
Operator: JC SRC: LIMS

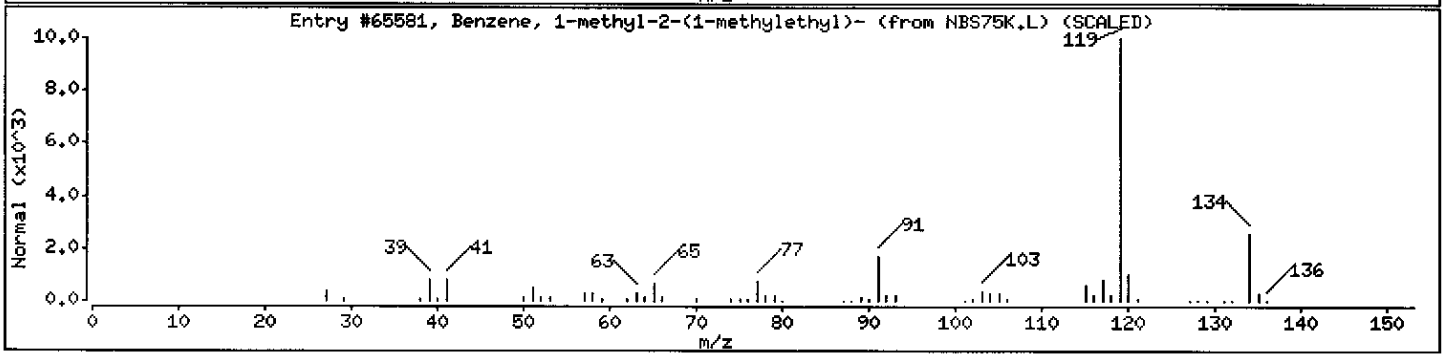
Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NBS75K.L	6219	95	C10H14	134
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NBS75K.L	6211	94	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS75K.L	65581	93	C10H14	134









Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D

Date : 13-MAY-2005 13:38

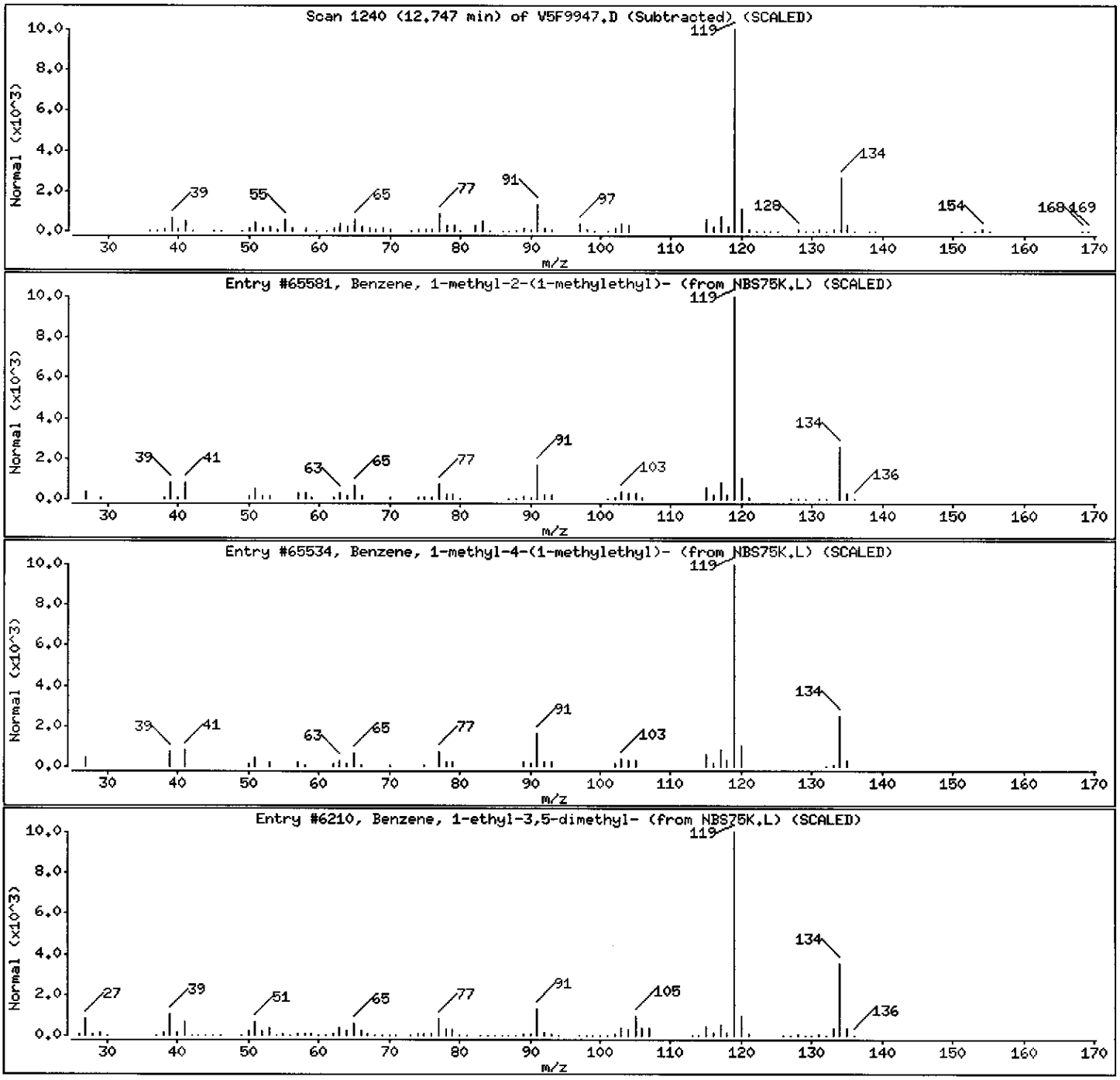
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NBS75K.L	65581	95	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.L	65534	94	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NBS75K.L	6210	91	C10H14	134



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D

Date : 13-MAY-2005 13:38

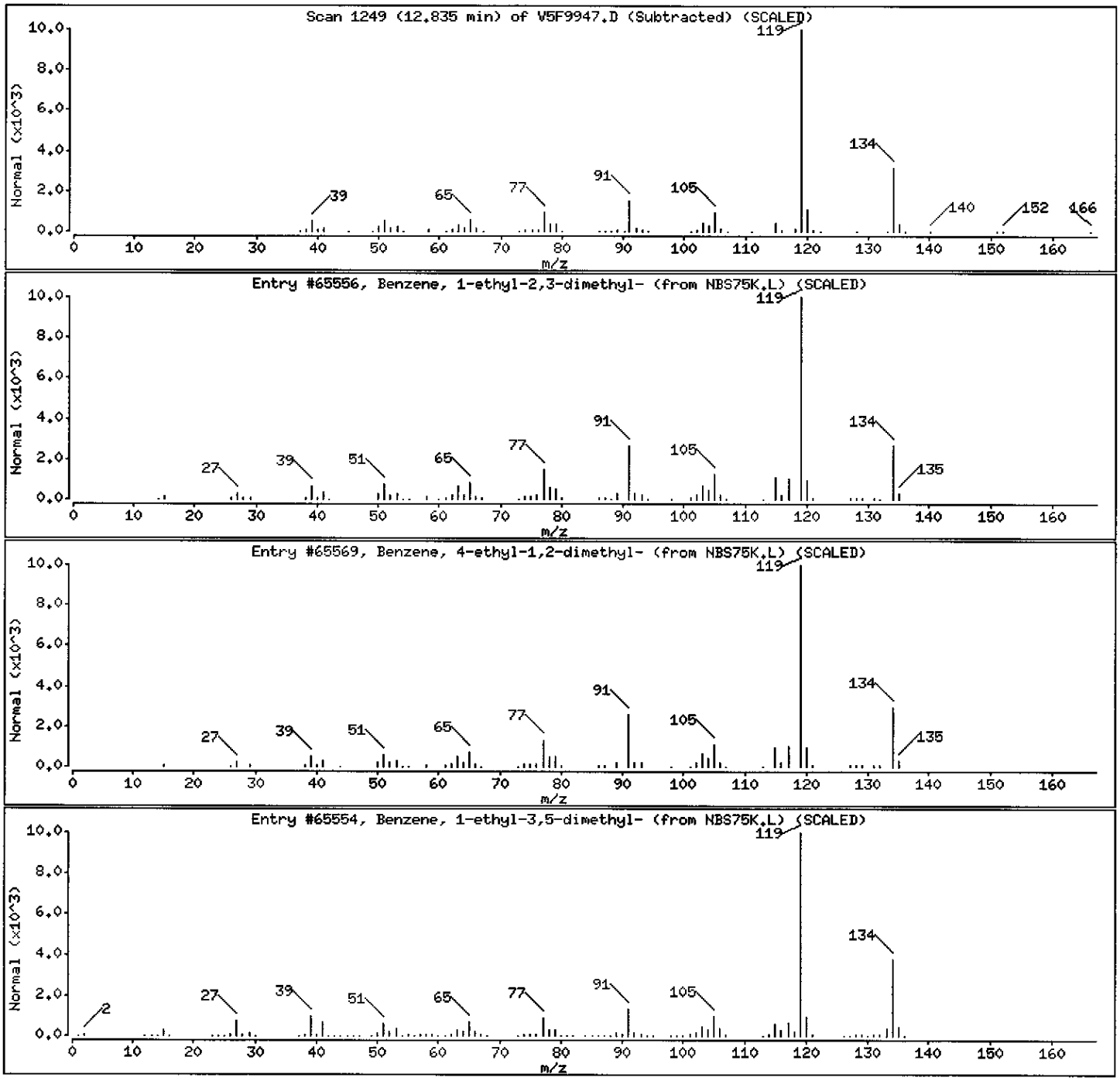
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NBS75K.L	65556	91	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.L	65569	91	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NBS75K.L	65554	91	C10H14	134



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D

Date : 13-MAY-2005 13:38

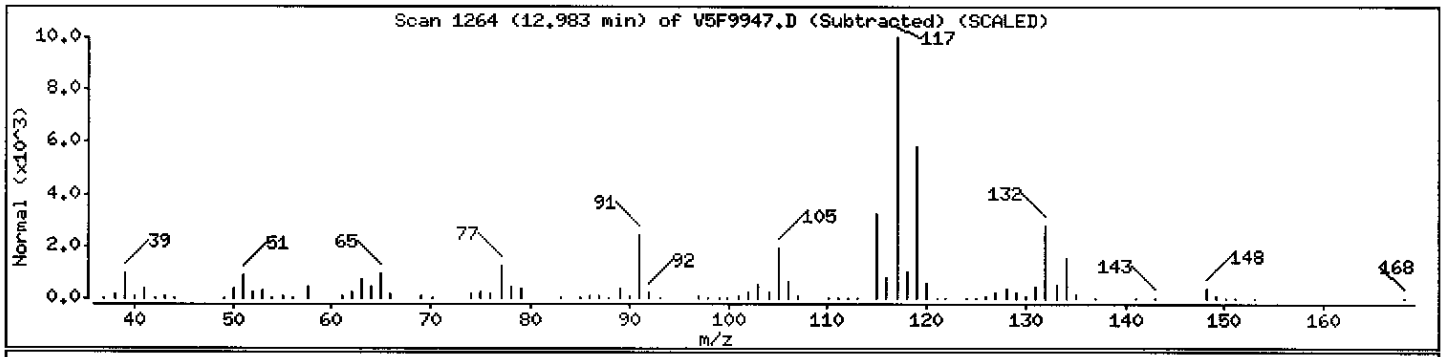
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D

Date : 13-MAY-2005 13:38

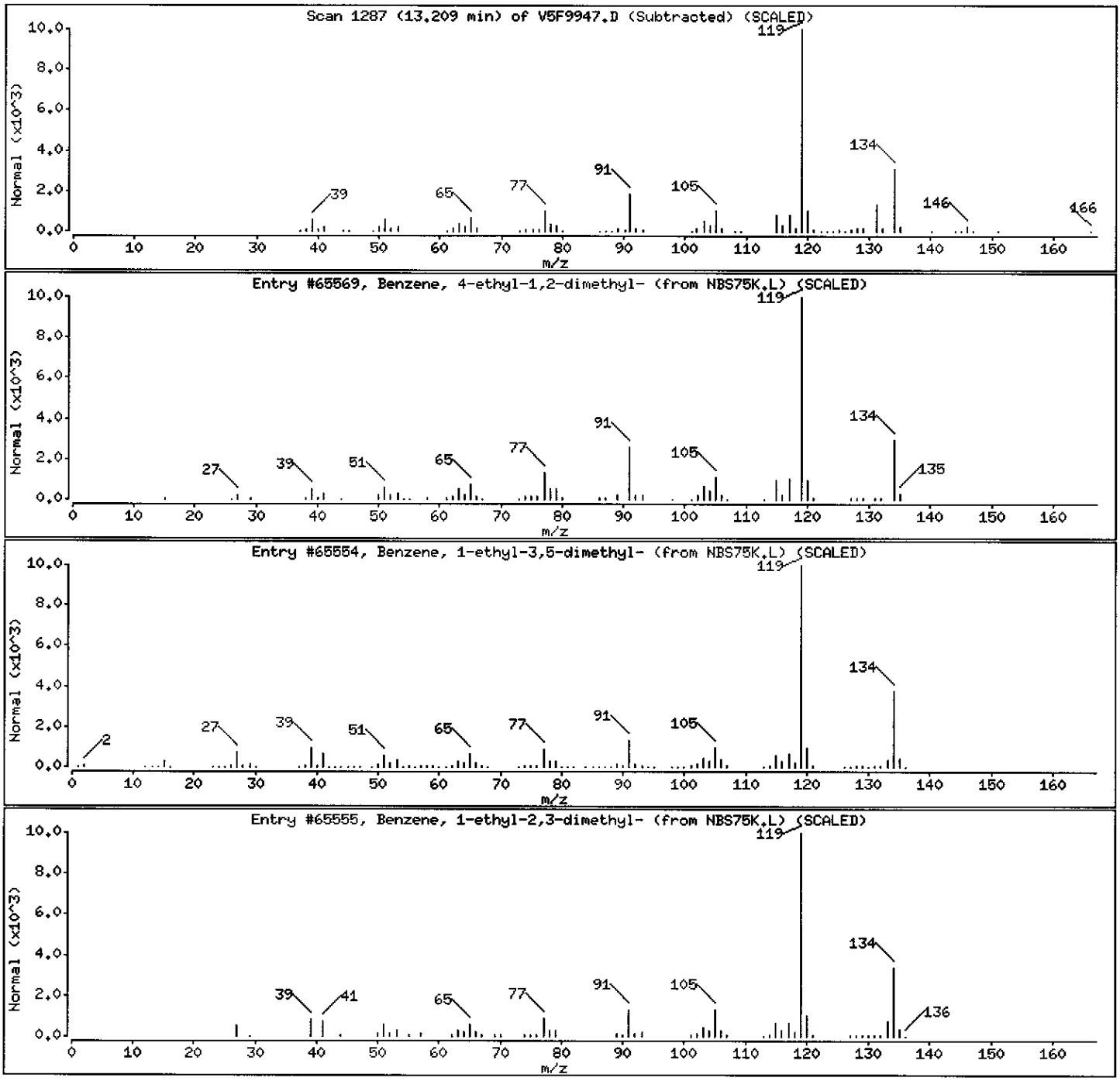
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NBS75K.L	65569	93	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NBS75K.L	65554	90	C10H14	134
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NBS75K.L	65555	87	C10H14	134



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D

Date : 13-MAY-2005 13:38

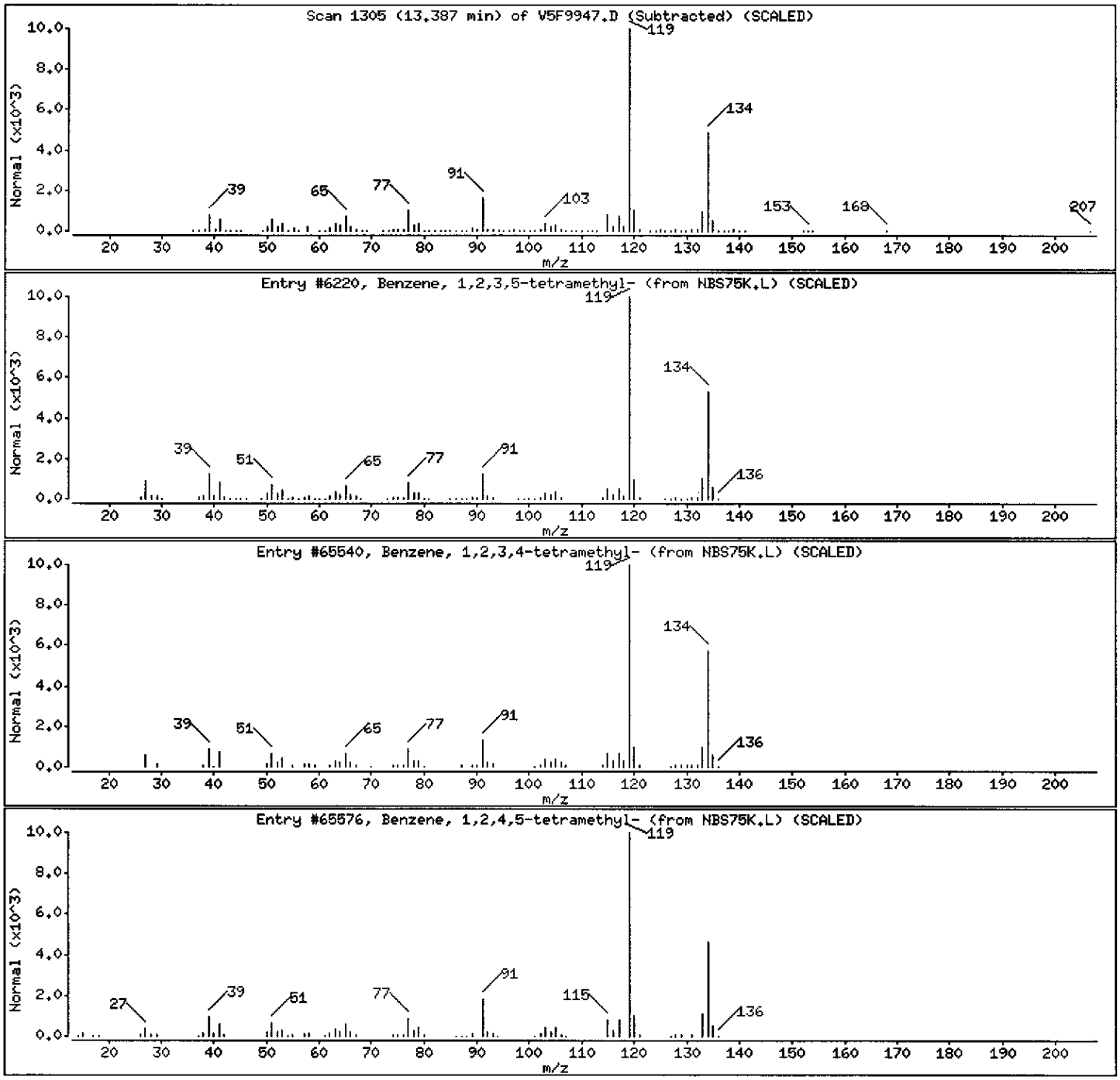
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3,5-tetramethyl-	527-53-7	NBS75K.L	6220	97	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NBS75K.L	65540	95	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.L	65576	95	C10H14	134



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9947.D

Date : 13-MAY-2005 13:38

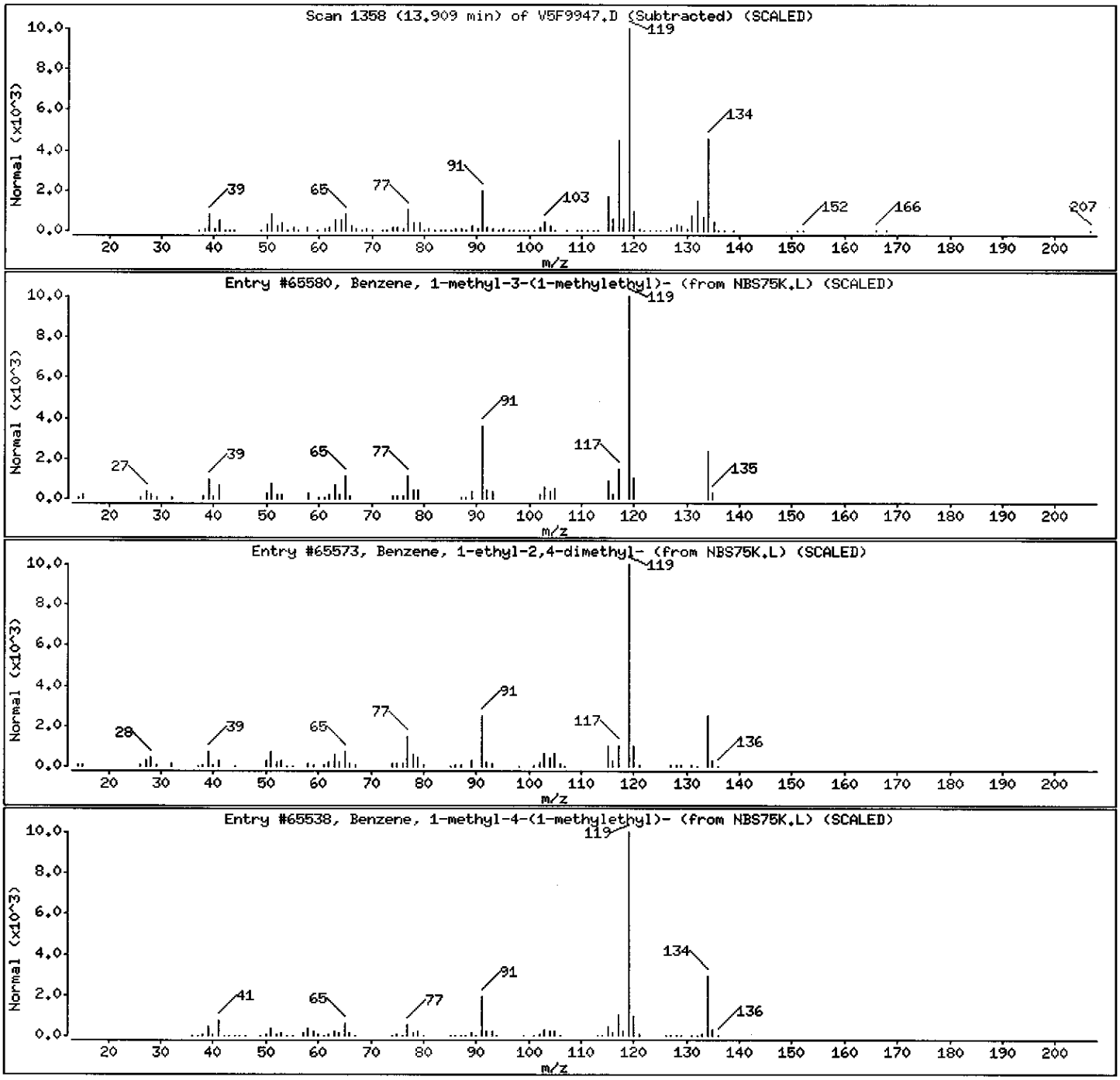
Client ID: B-440 Instrument: v5.i

Sample Info: ,D0523-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NBS75K.L	65580	70	C10H14	134
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NBS75K.L	65573	70	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NBS75K.L	65538	70	C10H14	134



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-650

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-03A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9945

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 22 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl Chloride	3	J
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	U
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	13	U
79-20-9	Methyl Acetate	13	U
75-09-2	Methylene Chloride	13	U
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-Butyl Ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	45	
78-93-3	2-Butanone	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	13	U
56-23-5	Carbon Tetrachloride	13	U
71-43-2	Benzene	13	U
107-06-2	1,2-Dichloroethane	13	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-650

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-03A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9945

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 22 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	27	
108-87-2	Methylcyclohexane	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	14	
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
1330-20-7	Xylene (Total)	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B-650

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-03A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9945

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 22 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

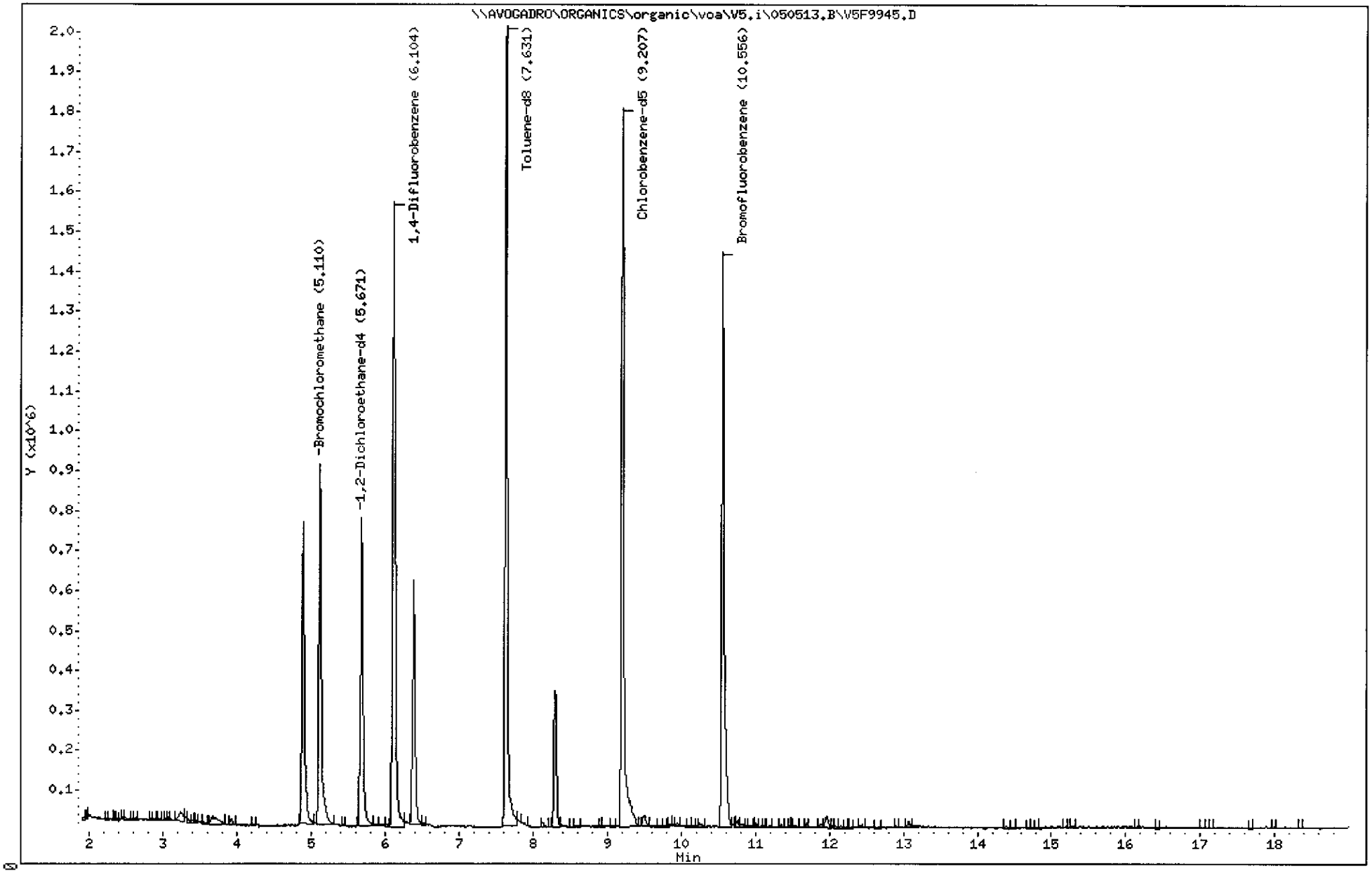
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9945.D
Date : 13-MAY-2005 12:37
Client ID: B-650
Sample Info: ,D0523-03A,,18114

Instrument: v5.i

Operator: JC SRC: LIMS
Column diameter: 0.25

Column phase: DB-624



0074

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9945.D
Report Date: 31-May-2005 10:47

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9945.D
Lab Smp Id: D0523-03A Client Smp ID: B-650
Inj Date : 13-MAY-2005 12:37
Operator : JC SRC: LIMS Inst ID: v5.i
Smp Info : ,D0523-03A,,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 31-May-2005 10:42 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	22.000	% Moisture (not decanted)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	3 Vinyl Chloride	62	1.978	1.980	(0.387)	30224	2.13002	3(a)
	9 Acetone	43	3.238	3.231	(0.634)	42153	6.01731	8(a)
	17 cis-1,2-Dichloroethene	96	4.883	4.876	(0.956)	386276	35.0644	45
*	18 Bromochloromethane	128	5.110	5.112	(1.000)	312282	50.0000	
$	23 1,2-Dichloroethane-d4	65	5.671	5.674	(1.110)	667214	51.9008	67
*	26 1,4-Difluorobenzene	114	6.114	6.107	(1.000)	1564281	50.0000	
	27 Trichloroethene	130	6.380	6.373	(1.043)	249370	21.3508	27
$	33 Toluene-d8	98	7.631	7.624	(0.829)	1686803	48.9008	63
	37 Tetrachloroethene	164	8.301	8.294	(0.902)	102612	11.1524	14
*	42 Chlorobenzene-d5	117	9.207	9.200	(1.000)	1423598	50.0000	
$	50 Bromofluorobenzene	95	10.556	10.549	(1.147)	703674	49.8342	64

SB 5/31/05

KW

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9945.D
Report Date: 31-May-2005 10:47

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9945.D
Report Date: 31-May-2005 10:47

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file :	\\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9945.D		
Lab Smp Id:	D0523-03A	Client Smp ID:	B-650
Inj Date :	13-MAY-2005 12:37		
Operator :	JC SRC: LIMS	Inst ID:	v5.i
Smp Info :	,D0523-03A,,18114		
Misc Info :			
Comment :			
Method :	\\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m		
Meth Date :	31-May-2005 10:42 mtl	Quant Type:	ISTD
Cal Date :	13-MAY-2005 10:09	Cal File:	V5F9941.D
Als bottle:	5		
Dil Factor:	1.00000		
Integrator:	HP RTE	Compound Sublist:	CLP4.sub
Target Version:	4.03		
Processing Host:	TARGET3		

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9945.D

Date : 13-MAY-2005 12:37

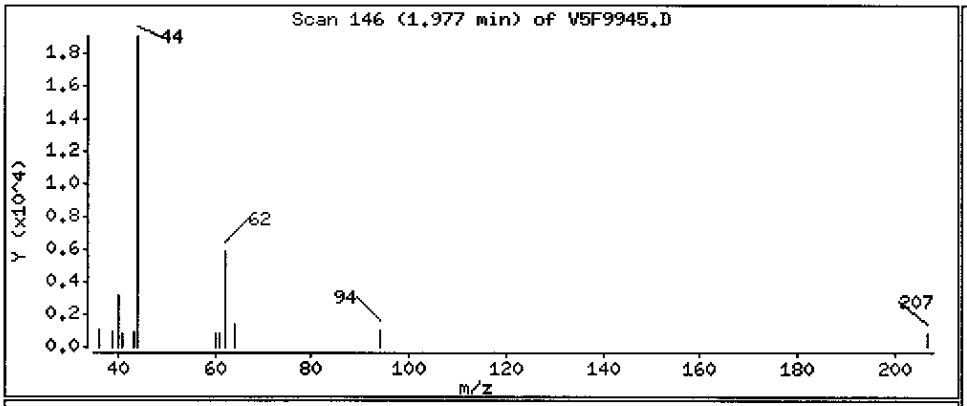
Client ID: B-650 Instrument: v5.i

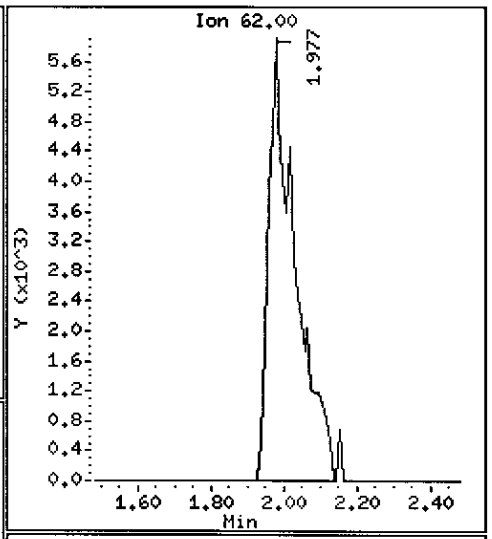
Sample Info: ,D0523-03A,,18114

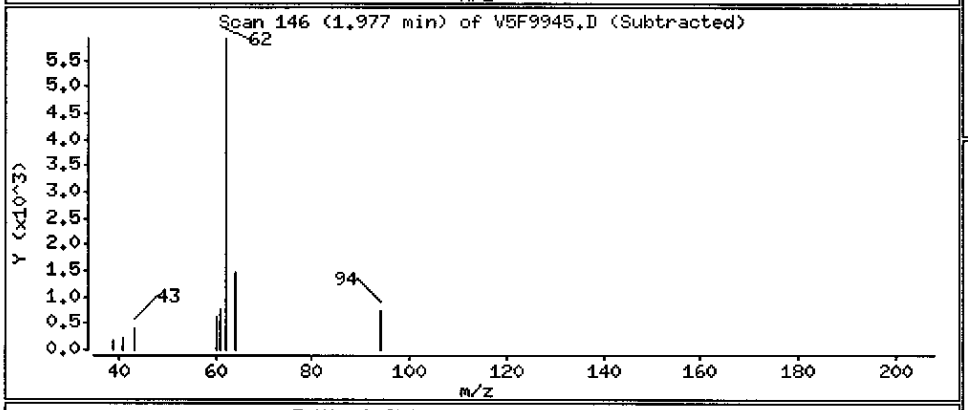
Operator: JC SRC: LIMS

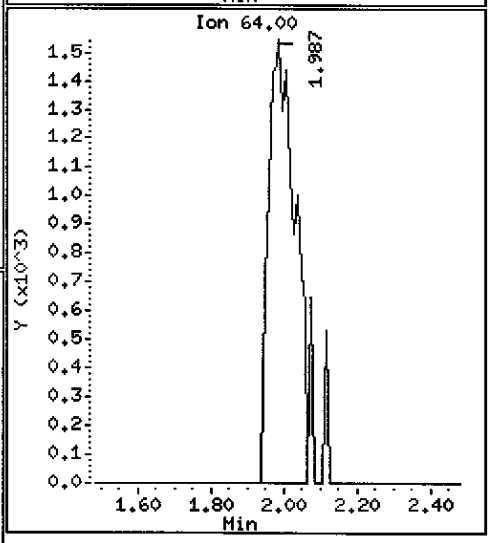
Column phase: DB-624 Column diameter: 0.25

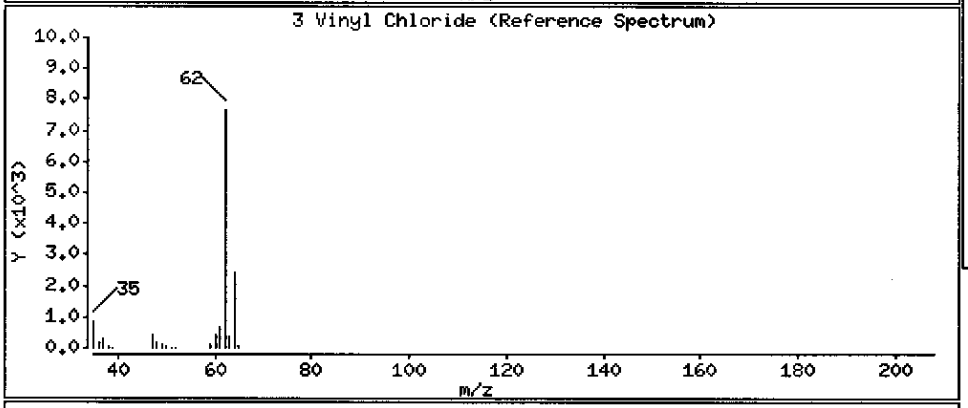
3 Vinyl Chloride Concentration: 3 ug/Kg

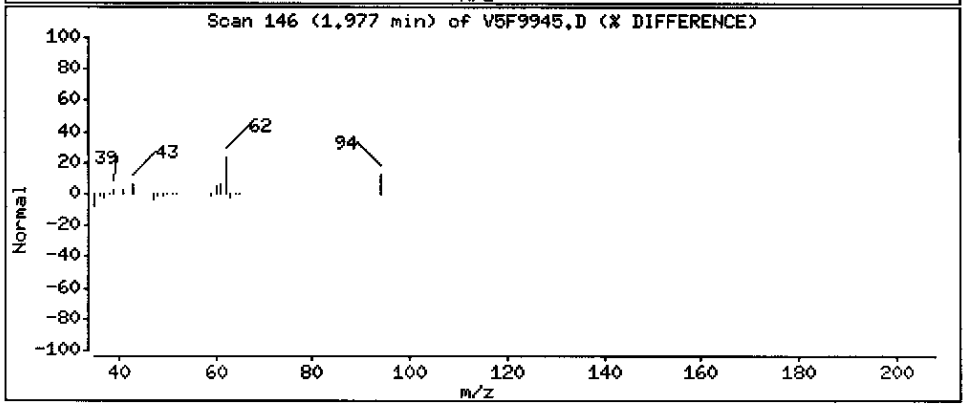












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9945.D

Date : 13-MAY-2005 12:37

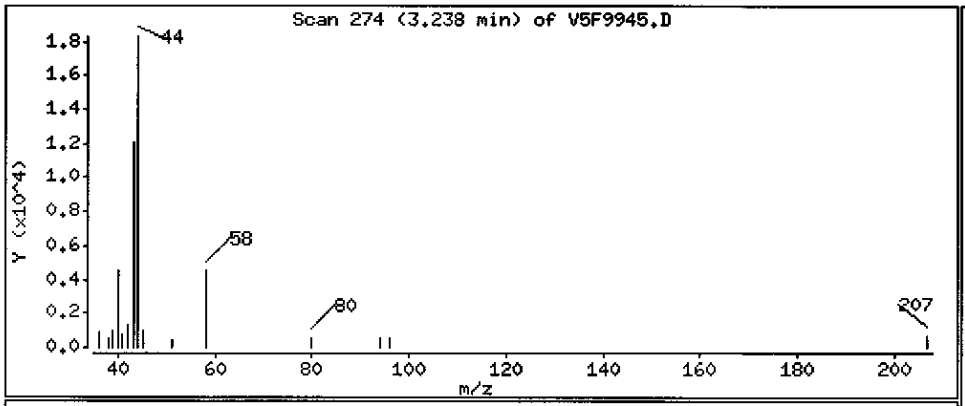
Client ID: B-650 Instrument: v5.i

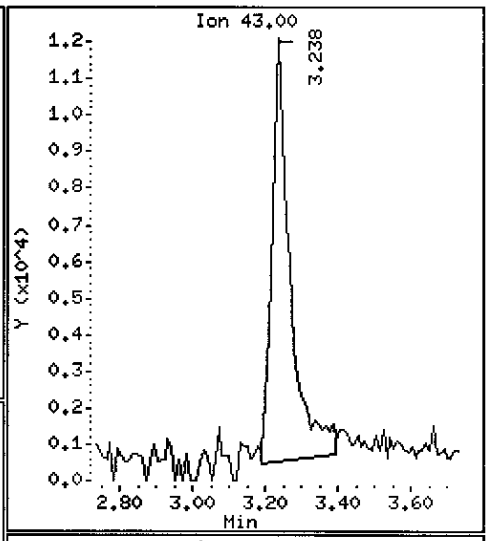
Sample Info: ,D0523-03A,,18114

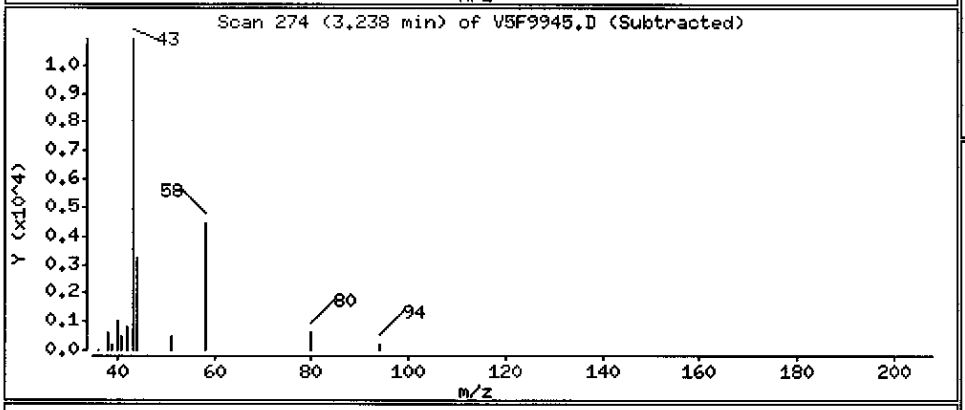
Operator: JC SRC: LIMS

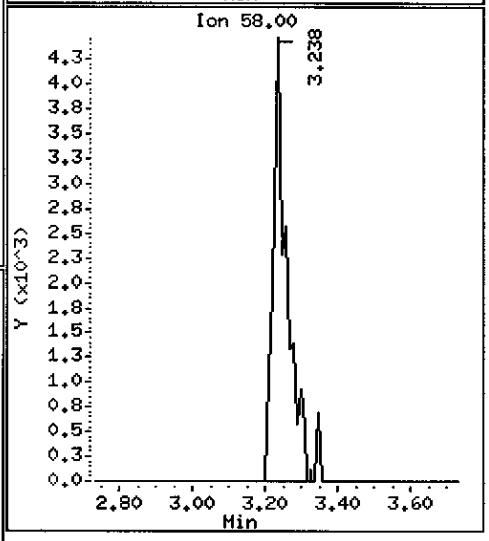
Column phase: DB-624 Column diameter: 0.25

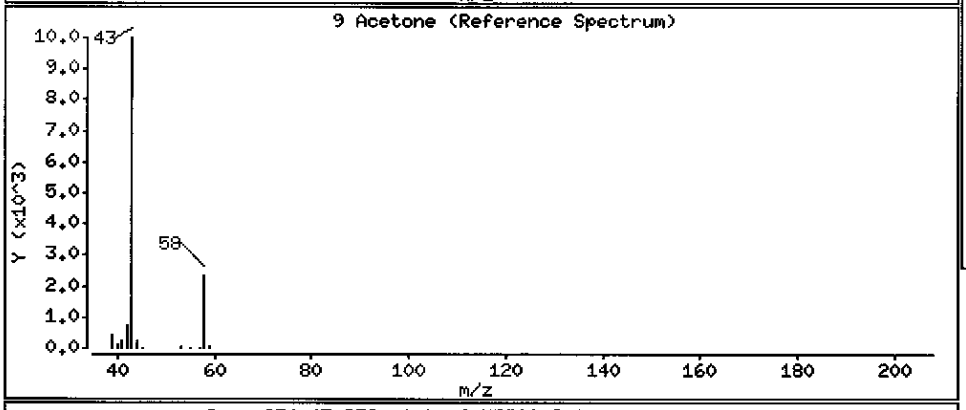
9 Acetone Concentration: 8 ug/Kg

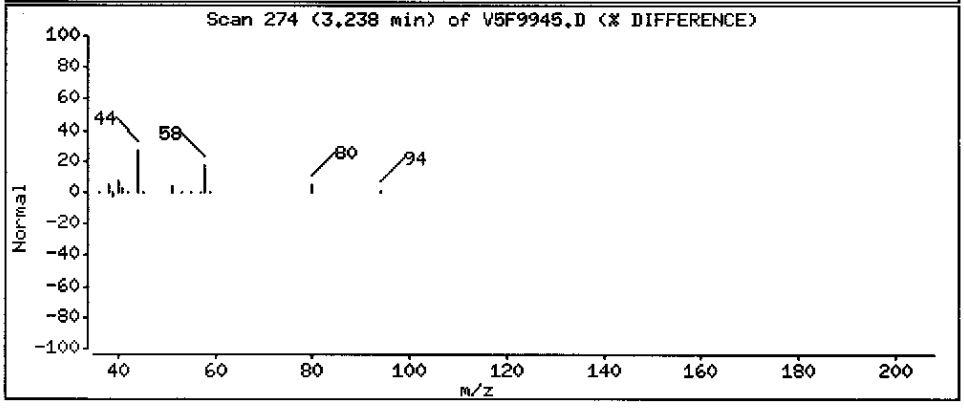












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9945.D

Date : 13-MAY-2005 12:37

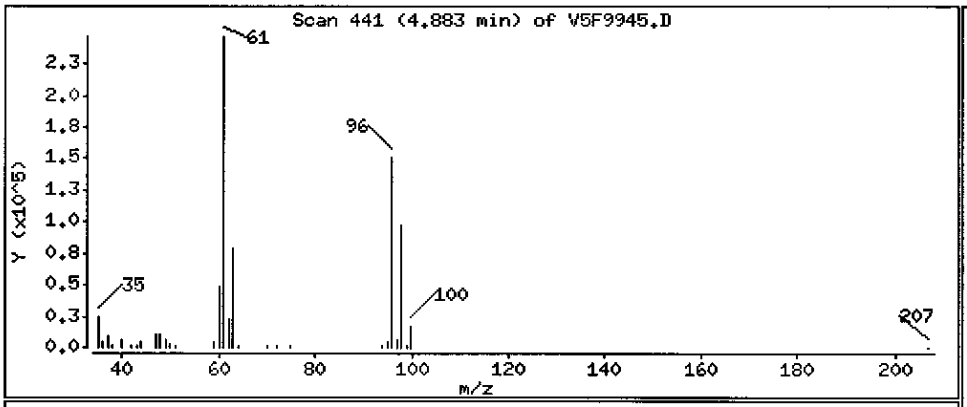
Client ID: B-650 Instrument: v5.i

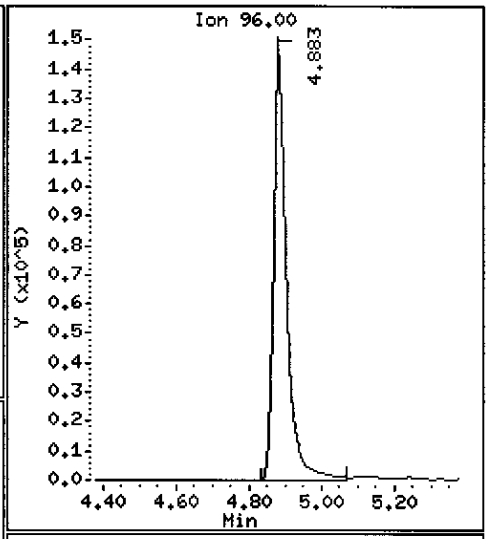
Sample Info: ,D0523-03A,,18114

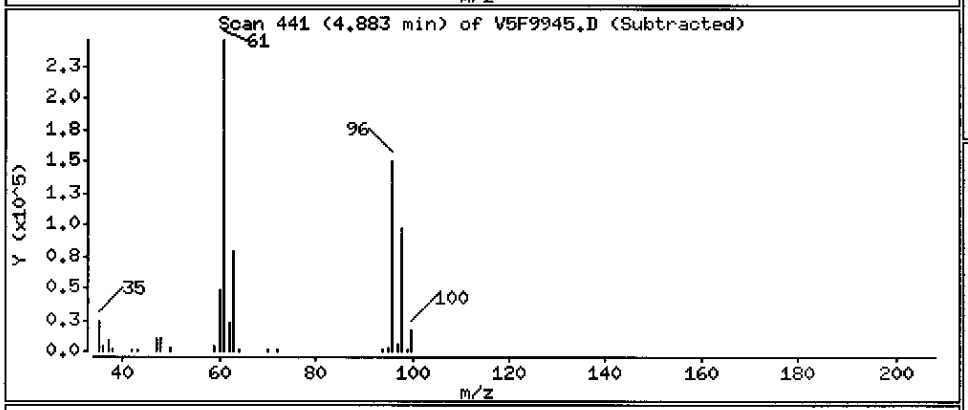
Operator: JC SRC: LIMS

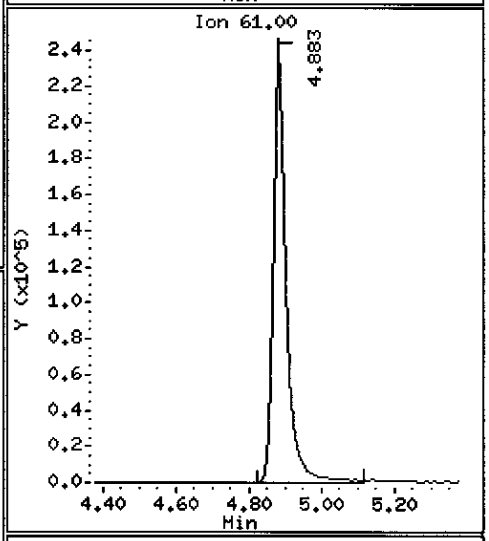
Column phase: DB-624 Column diameter: 0.25

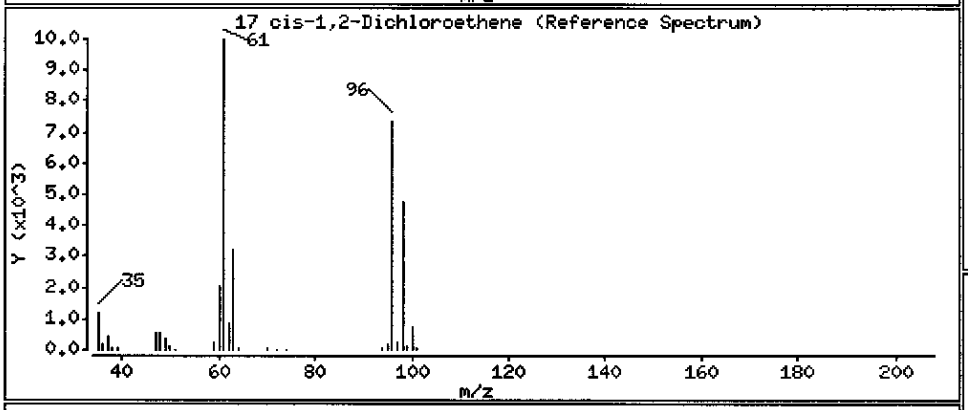
17 cis-1,2-Dichloroethene Concentration: 45 ug/Kg

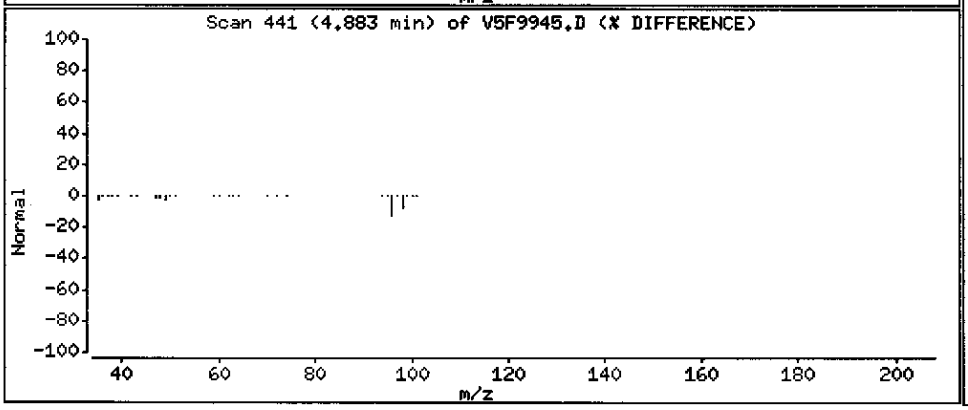


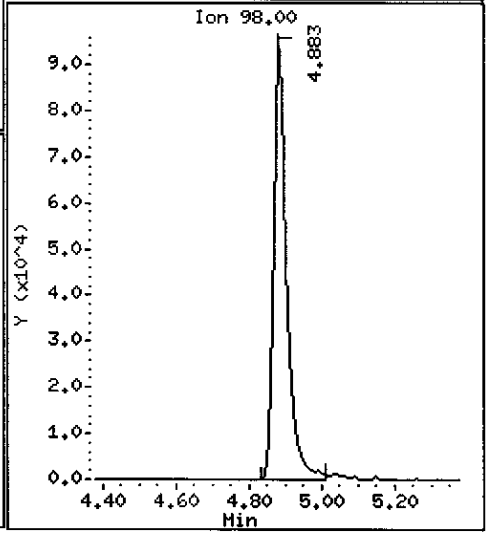












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9945.D

Date : 13-MAY-2005 12:37

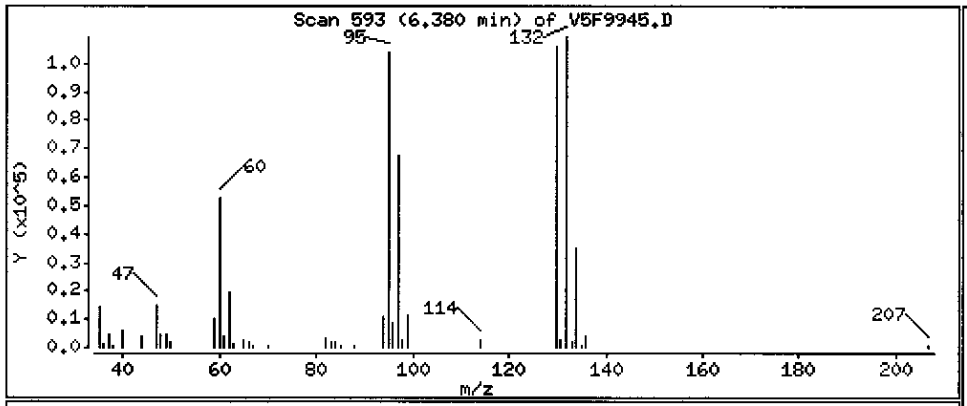
Client ID: B-650 Instrument: v5.i

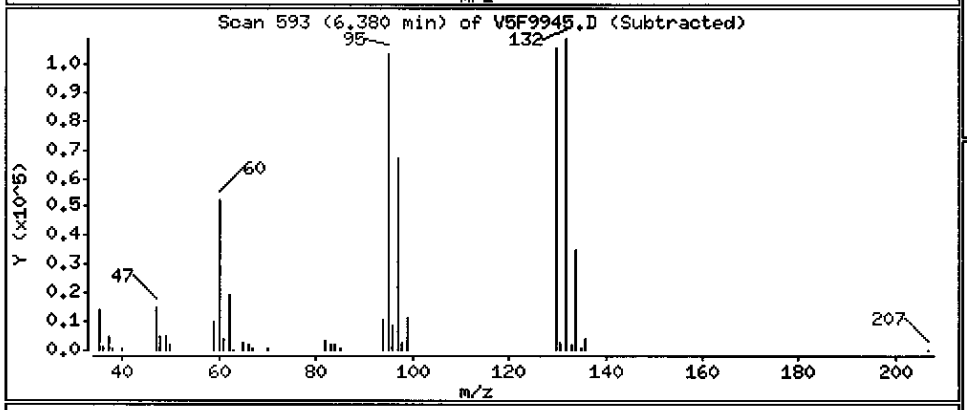
Sample Info: ,D0523-03A,,18114

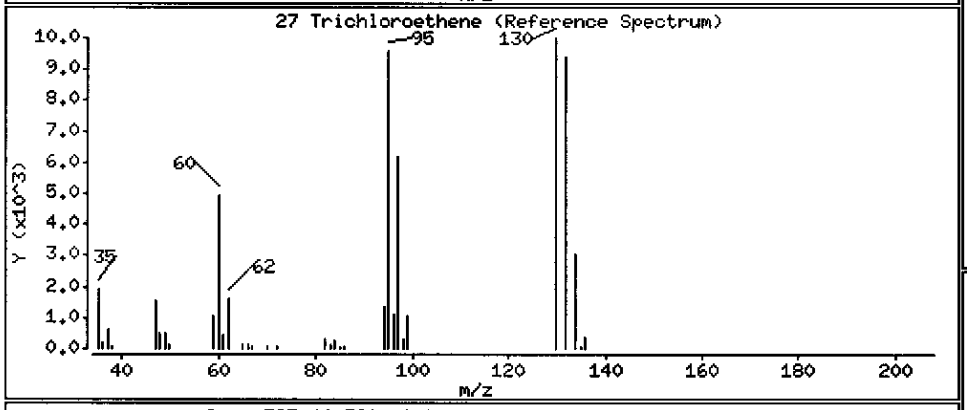
Operator: JC SRC: LIMS

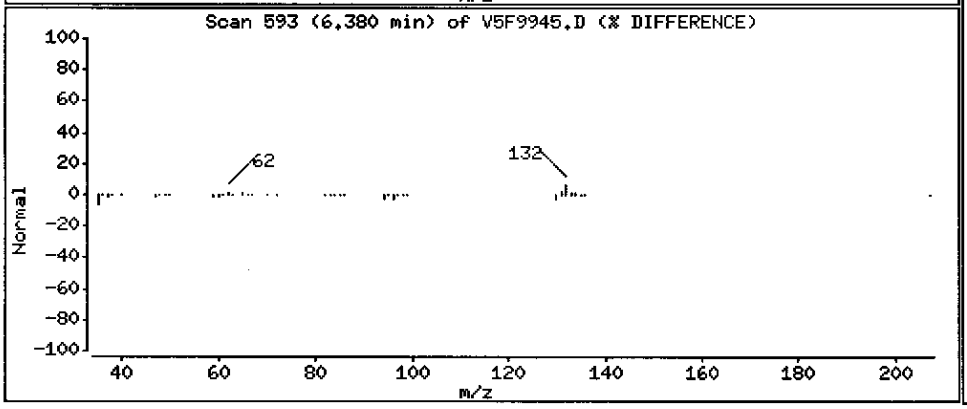
Column phase: DB-624 Column diameter: 0.25

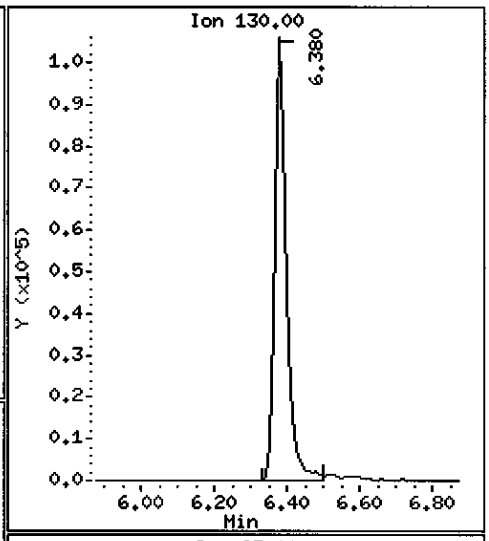
27 Trichloroethene Concentration: 27 ug/Kg

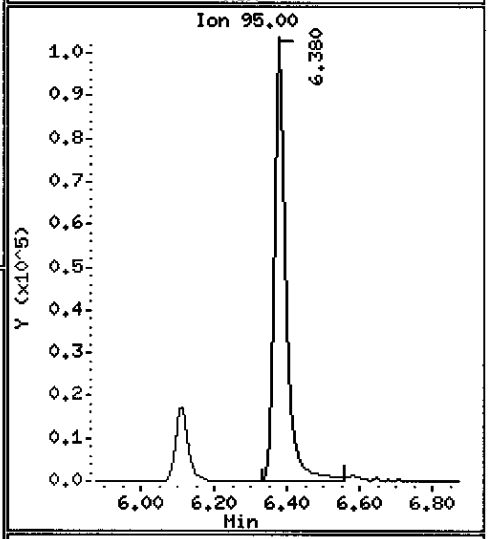


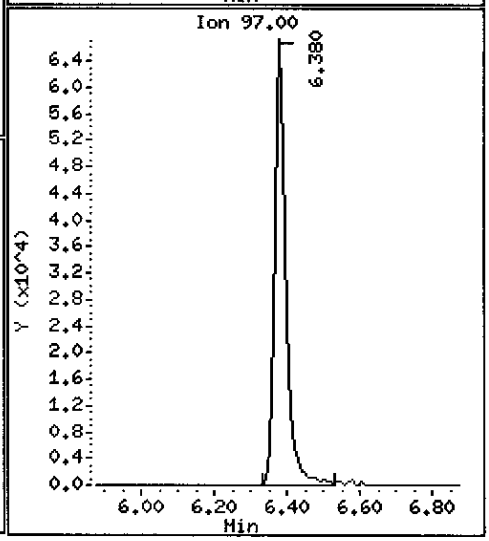












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9945.D

Date : 13-MAY-2005 12:37

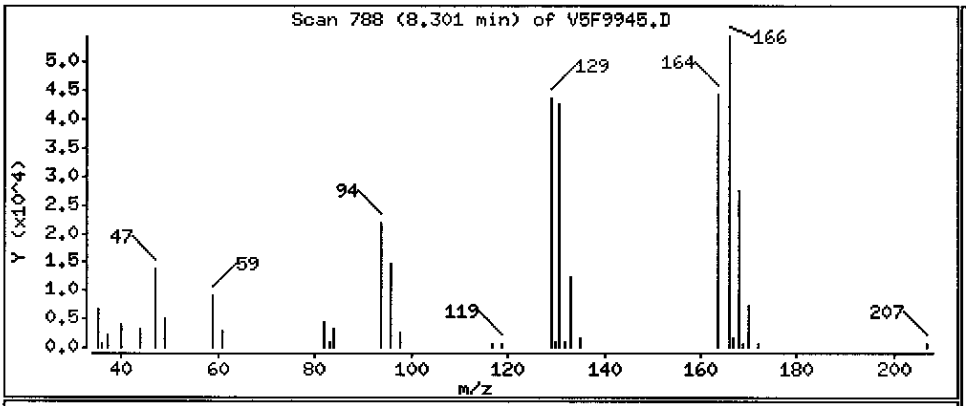
Client ID: B-650 Instrument: v5.i

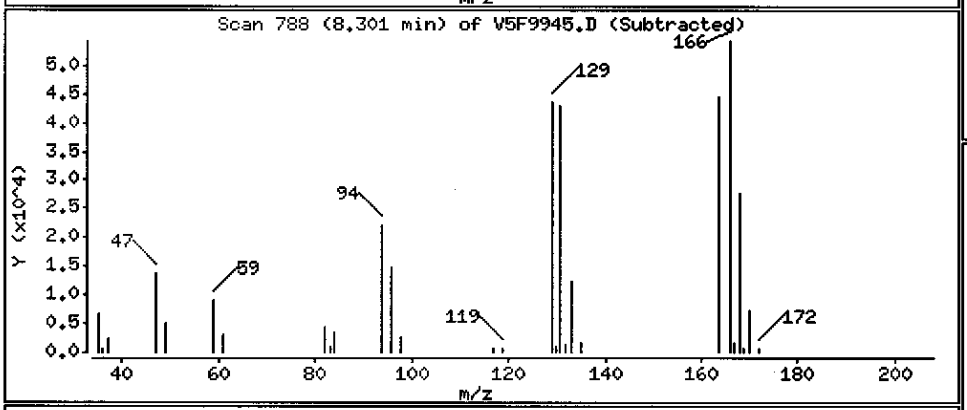
Sample Info: ,D0523-03A,,18114

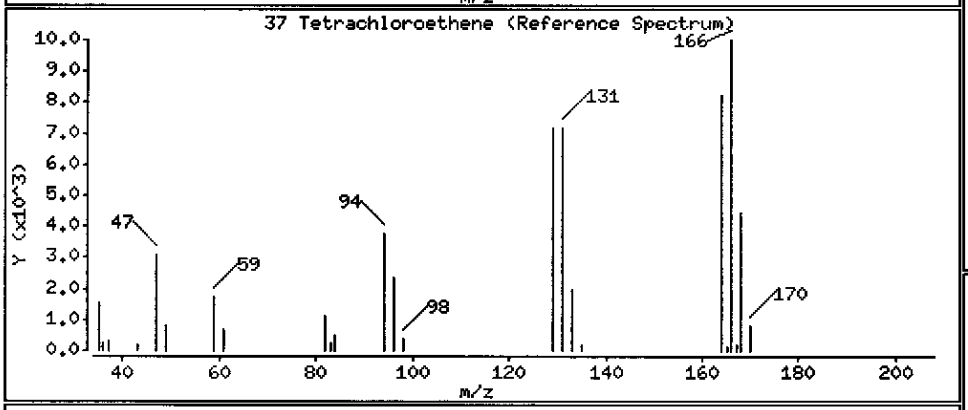
Operator: JC SRC: LIMS

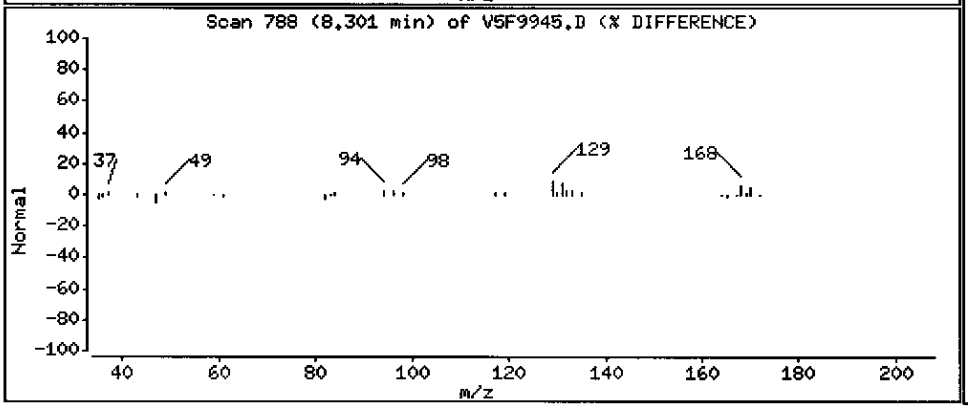
Column phase: DB-624 Column diameter: 0.25

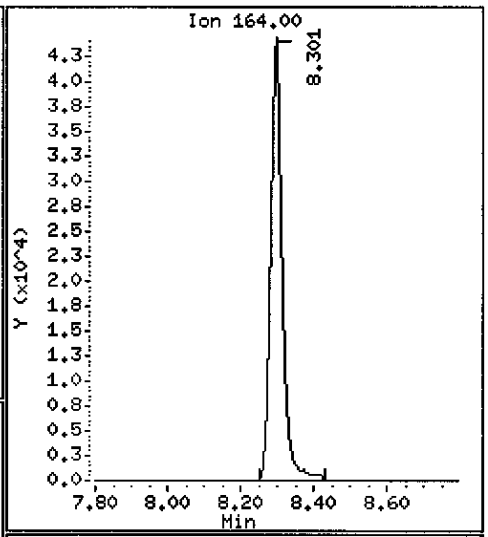
37 Tetrachloroethene Concentration: 14 ug/Kg

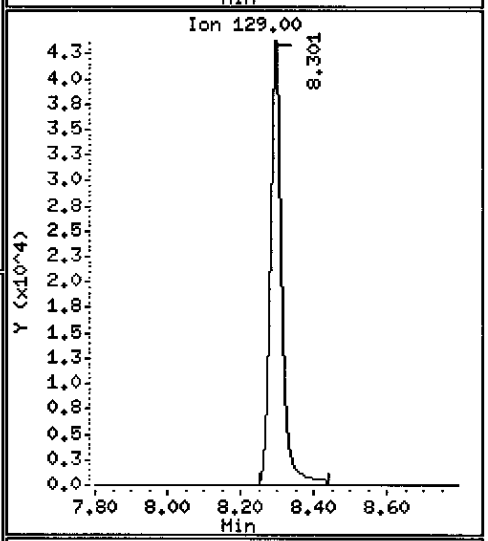


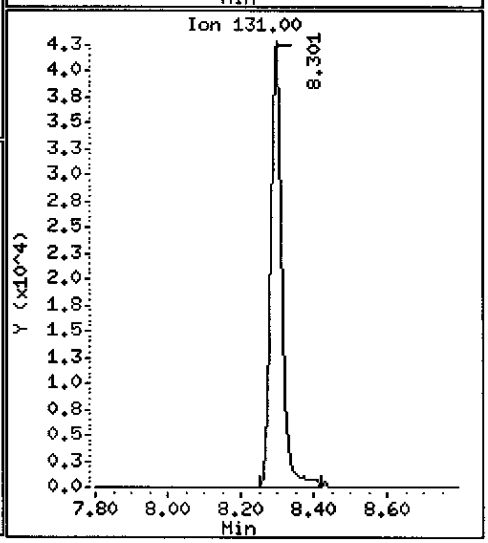












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-7140

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-04A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9946

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 14 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-7140

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-04A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9946

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 14 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	12	U
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (Total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B-7140

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-04A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9946

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. 14 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
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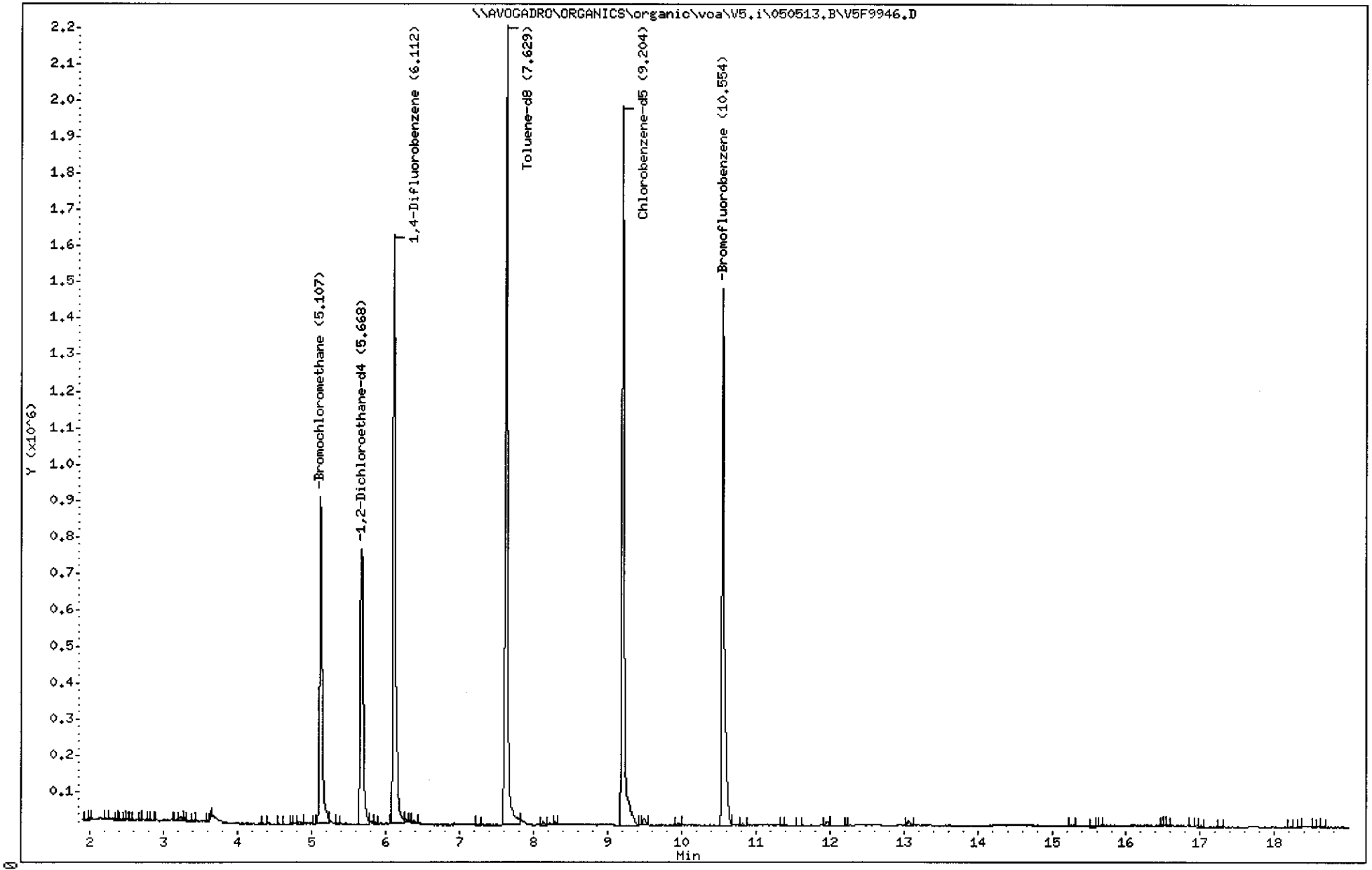
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9946.D
Date : 13-MAY-2005 13:08
Client ID: B-7140
Sample Info: ,D0523-04A,,18114

Instrument: v5.i

Operator: JC SRC: LIMS
Column diameter: 0.25

Column phase: DB-624



9800

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9946.D
Report Date: 31-May-2005 10:47

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9946.D
Lab Smp Id: D0523-04A Client Smp ID: B-7140
Inj Date : 13-MAY-2005 13:08
Operator : JC SRC: LIMS Inst ID: v5.i
Smp Info : ,D0523-04A,,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 31-May-2005 10:42 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	14.000	% Moisture (not decanted)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
* 18 Bromochloromethane	128	5.117	5.112	(1.000)	324676	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.668	5.674	(1.108)	683713	51.1540	59
* 26 1,4-Difluorobenzene	114	6.112	6.107	(1.000)	1611055	50.0000	
$ 33 Toluene-d8	98	7.628	7.624	(0.829)	1753889	49.7487	58
* 42 Chlorobenzene-d5	117	9.204	9.200	(1.000)	1454988	50.0000	
$ 50 Bromofluorobenzene	95	10.554	10.549	(1.147)	702586	48.6837	57

(58)
5/31/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9946.D
Report Date: 31-May-2005 10:47

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9946.D
Lab Smp Id: D0523-04A Client Smp ID: B-7140
Inj Date : 13-MAY-2005 13:08
Operator : JC SRC: LIMS Inst ID: v5.i
Smp Info : ,D0523-04A,,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 31-May-2005 10:42 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Instrument ID: V5 Calibration Date(s): 04/13/05 04/13/05

Heated Purge: (Y/N) Y Calibration Times: 1117 1455

GC Column: DB-624 ID: 0.25 (mm)

LAB FILE ID: RRF10 = V5F9477 RRF20 = V5F9480
RRF50 = V5F9476 RRF100= V5F9479 RRF200= V5F9478

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	2.043	2.463	2.554	2.326	2.546	2.386	8.9
Chloromethane	2.158	2.256	2.239	2.086	2.172	2.182	3.1
Vinyl Chloride *	1.636	1.949	1.924	1.833	2.003	1.869	7.7*
Bromomethane *	0.791	1.019	0.997	0.854	0.927	0.918	10.4*
Chloroethane	0.748	0.840	0.862	0.698	0.772	0.784	8.6
Trichlorofluoromethane	1.583	1.968	2.104	1.810	2.002	1.893	10.7
1,1-Dichloroethene *	0.839	1.025	1.078	0.983	0.998	0.985	9.0*
1,1,2-Trichloro-1,2,2-trifluoroethane	0.616	1.052	1.067	0.922	1.344	1.000	26.4
Acetone	1.140	0.822	0.937	0.662	0.690	0.850	23.0
Carbon Disulfide	3.526	3.842	4.158	3.747	3.985	3.852	6.2
Methyl Acetate	1.272	1.104	1.110	0.972	1.009	1.093	10.6
Methylene Chloride	1.004	1.296	1.180	1.570	1.223	1.255	16.4
trans-1,2-Dichloroethene	1.368	1.623	1.518	1.458	1.499	1.493	6.2
Methyl tert-Butyl Ether	4.490	4.421	4.481	4.098	3.954	4.289	5.8
1,1-Dichloroethane *	3.070	3.539	3.559	3.144	3.216	3.306	6.9*
cis-1,2-Dichloroethene	1.514	1.733	1.674	1.492	1.542	1.591	6.7
2-Butanone	1.322	1.345	1.230	1.137	1.127	1.232	8.2
Chloroform *	2.747	3.077	3.036	2.684	2.740	2.857	6.5*
1,1,1-Trichloroethane *	0.359	0.372	0.404	0.330	0.404	0.374	8.5*
Cyclohexane	0.575	0.632	0.672	0.566	0.622	0.613	7.1
Carbon Tetrachloride *	0.316	0.331	0.374	0.308	0.357	0.337	8.2*
Benzene *	1.306	1.265	1.333	1.127	1.094	1.225	8.8*
1,2-Dichloroethane *	2.207	2.200	2.255	1.961	1.993	2.123	6.4*
Trichloroethene *	0.330	0.333	0.344	0.298	0.305	0.322	6.0*
Methylcyclohexane	0.473	0.522	0.557	0.481	0.498	0.506	6.7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Instrument ID: V5 Calibration Date(s): 04/13/05 04/13/05

Heated Purge: (Y/N) Y Calibration Times: 1117 1455

GC Column: DB-624 ID: 0.25(mm)

LAB FILE ID: RRF10 = V5F9477 RRF20 = V5F9480
RRF50 = V5F9476 RRF100= V5F9479 RRF200= V5F9478

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1,2-Dichloropropane		0.392	0.377	0.393	0.324	0.311	0.359	10.8
Bromodichloromethane	*	0.446	0.412	0.461	0.388	0.401	0.422	7.3*
cis-1,3-Dichloropropene	*	0.507	0.500	0.553	0.460	0.484	0.501	6.9*
4-Methyl-2-Pentanone		0.523	0.460	0.410	0.391	0.360	0.429	14.9
Toluene	*	1.292	1.384	1.385	1.217	1.098	1.275	9.5*
trans-1,3-Dichloropropene	*	0.482	0.455	0.476	0.411	0.431	0.451	6.7*
1,1,2-Trichloroethane	*	0.264	0.238	0.256	0.218	0.212	0.238	9.6*
Tetrachloroethene	*	0.248	0.289	0.299	0.269	0.252	0.271	8.3*
2-Hexanone		0.452	0.418	0.365	0.361	0.332	0.386	12.6
Dibromochloromethane	*	0.310	0.288	0.319	0.275	0.292	0.297	5.9*
1,2-Dibromoethane		0.322	0.307	0.325	0.295	0.289	0.308	5.2
Chlorobenzene	*	0.904	0.947	0.897	0.810	0.768	0.865	8.5*
Ethylbenzene	*	0.398	0.454	0.461	0.414	0.402	0.426	7.0*
Xylene (Total)	*	0.504	0.560	0.570	0.492	0.464	0.518	8.8*
Styrene	*	0.683	0.764	0.752	0.655	0.603	0.691	9.8*
Bromoform	*	0.225	0.184	0.216	0.186	0.199	0.202	8.9*
Isopropylbenzene		1.309	1.478	1.484	1.296	1.226	1.359	8.6
1,1,2,2-Tetrachloroethane	*	0.504	0.437	0.457	0.408	0.389	0.439	10.2*
1,3-Dichlorobenzene	*	0.755	0.838	0.778	0.703	0.662	0.747	9.1*
1,4-Dichlorobenzene	*	0.809	0.869	0.771	0.704	0.669	0.764	10.5*
1,2-Dichlorobenzene	*	0.739	0.776	0.725	0.651	0.619	0.702	9.3*
1,2-Dibromo-3-chloropropane		0.087	0.067	0.070	0.066	0.064	0.071	13.0
1,2,4-Trichlorobenzene	*	0.534	0.512	0.389	0.382	0.370	0.437	17.9*
Toluene-d8		1.349	1.229	1.164	1.099	0.953	1.159	12.7
Bromofluorobenzene	*	0.633	0.554	0.516	0.476	0.435	0.523	14.5*
1,2-Dichloroethane-d4		2.437	2.079	2.097	1.920	1.846	2.076	11.0

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

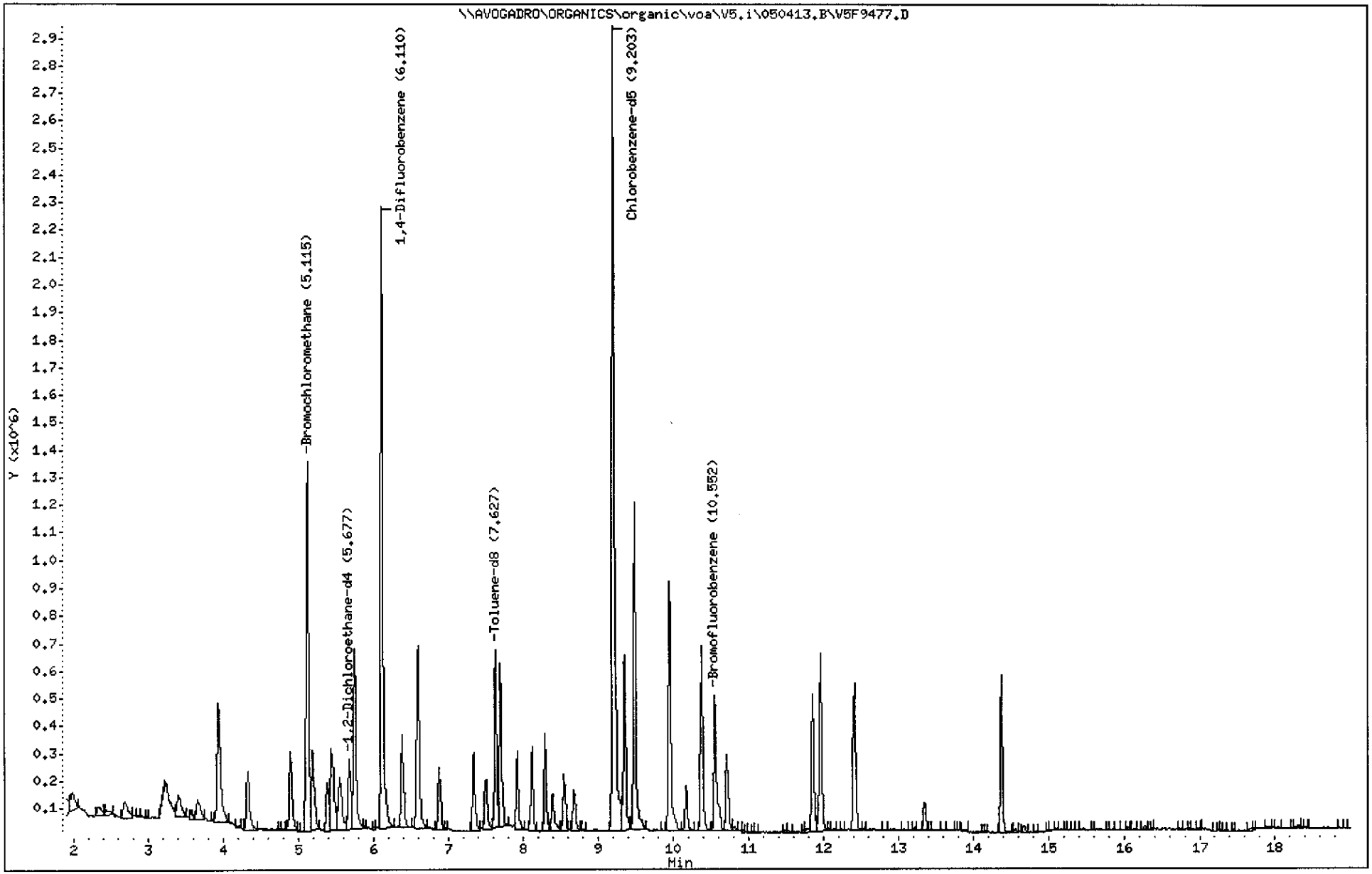
Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9477.D
Date : 13-APR-2005 12:27
Client ID: VSTD0105Z
Sample Info: ,VSTD0105Z,VSTD0105Z

Instrument: v5.i

Operator: JC

Column phase: DB-624

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9477.D
Report Date: 06-May-2005 13:19

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9477.D
Lab Smp Id: VSTD0105Z Client Smp ID: VSTD0105Z
Inj Date : 13-APR-2005 12:27
Operator : JC Inst ID: v5.i
Smp Info : ,VSTD0105Z,VSTD0105Z
Misc Info : ,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\v5clp4h.m
Meth Date : 13-Apr-2005 15:47 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 11:17 Cal File: V5F9476.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.678	1.681	(0.328)	189037	10.0000	9(a)
2	Chloromethane	50	1.865	1.858	(0.365)	199688	10.0000	10
3	Vinyl Chloride	62	1.973	1.977	(0.386)	151401	10.0000	9(a)
4	Bromomethane	94	2.328	2.331	(0.455)	73222	10.0000	9(a)
5	Chloroethane	64	2.446	2.439	(0.478)	69197	10.0000	9(a)
6	Trichlorofluoromethane	101	2.673	2.676	(0.522)	146417	10.0000	9(a)
7	1,1-Dichloroethene	96	3.185	3.178	(0.623)	77644	10.0000	9(a)
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.204	3.208	(0.626)	57022	10.0000	7(a)
9	Acetone	43	3.234	3.227	(0.632)	105484	10.0000	11
10	Carbon Disulfide	76	3.402	3.395	(0.665)	326216	10.0000	9(a)
11	Methyl Acetate	43	3.933	3.927	(0.769)	117660	10.0000	11
12	Methylene Chloride	84	3.648	3.641	(0.713)	92901	10.0000	9(a)
13	trans-1,2-Dichloroethene	96	3.924	3.917	(0.767)	126576	10.0000	9(a)
14	Methyl tert-Butyl Ether	73	3.943	3.927	(0.771)	415446	10.0000	10
15	1,1-Dichloroethane	63	4.327	4.321	(0.846)	284056	10.0000	9(a)

COPY
Original Documents Are Included in CSF_____
Signed:_____ Date:_____

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9477.D
Report Date: 06-May-2005 13:19

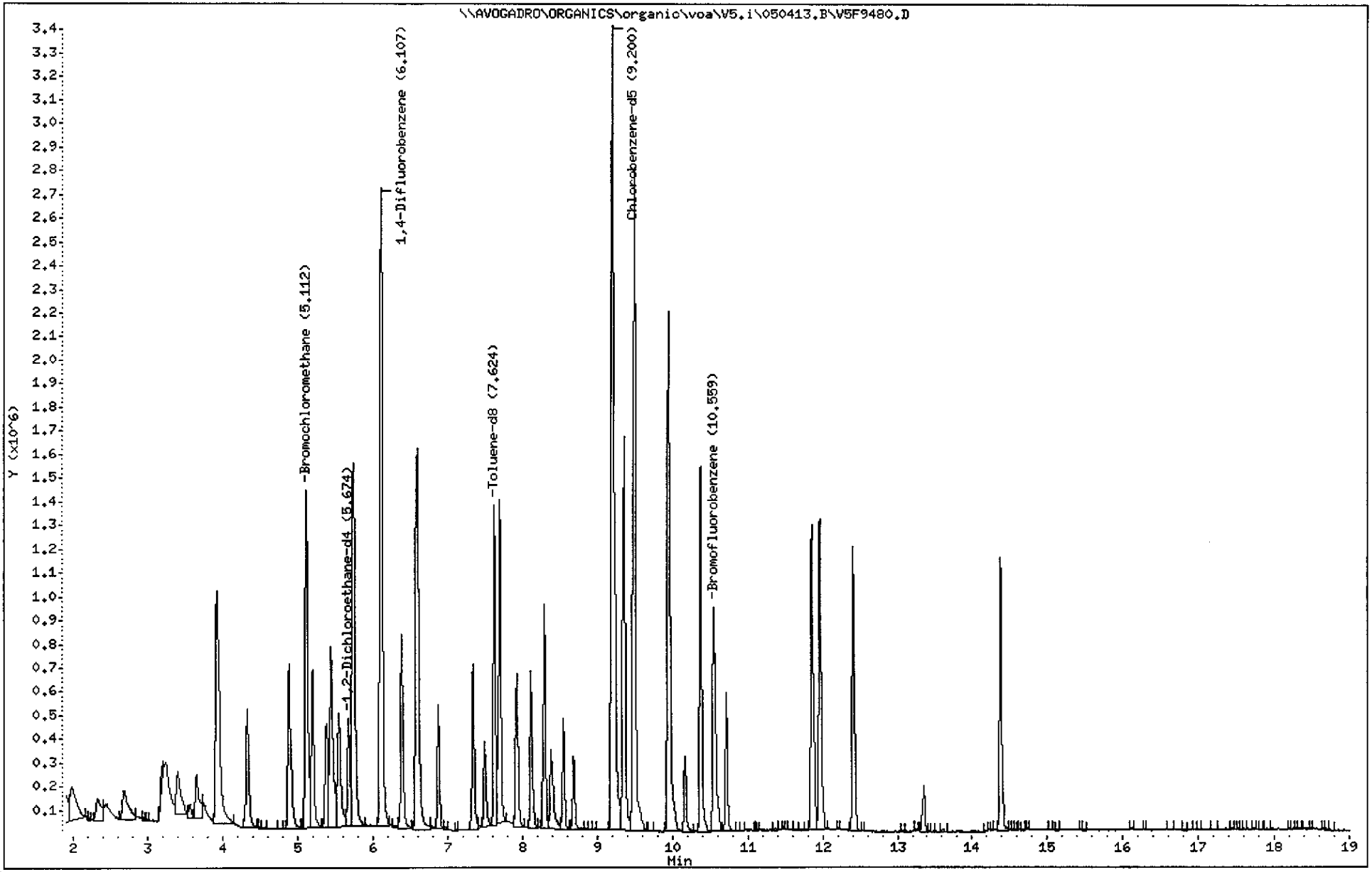
		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16	2-Butanone	43	4.908	4.892	(0.960)	122322	10.0000	10
	17	cis-1,2-Dichloroethene	96	4.889	4.882	(0.956)	140075	10.0000	9(a)
*	18	Bromochloromethane	128	5.115	5.109	(1.000)	462586	50.0000	
	19	Chloroform	83	5.194	5.188	(1.015)	254146	10.0000	9(a)
	20	1,1,1-Trichloroethane	97	5.381	5.375	(0.881)	150296	10.0000	9(a)
	21	Cyclohexane	56	5.440	5.434	(0.890)	240942	10.0000	9(a)
	22	Carbon Tetrachloride	117	5.549	5.542	(0.908)	132582	10.0000	9(a)
$	23	1,2-Dichloroethane-d4	65	5.677	5.670	(1.110)	225447	10.0000	11
	24	1,2-Dichloroethane	62	5.746	5.739	(1.123)	204183	10.0000	10
	25	Benzene	78	5.736	5.739	(0.939)	547247	10.0000	10
*	26	1,4-Difluorobenzene	114	6.110	6.104	(1.000)	2094805	50.0000	
	27	Trichloroethene	130	6.376	6.379	(1.044)	138325	10.0000	10
	28	Methylcyclohexane	83	6.583	6.576	(1.077)	198201	10.0000	9(a)
	29	1,2-Dichloropropane	63	6.593	6.596	(1.079)	164182	10.0000	10
	30	Bromodichloromethane	83	6.878	6.872	(1.126)	186890	10.0000	10
	31	cis-1,3-Dichloropropene	75	7.341	7.335	(1.202)	212244	10.0000	10
	32	4-Methyl-2-Pentanone	43	7.499	7.492	(0.815)	211045	10.0000	11
$	33	Toluene-d8	98	7.627	7.620	(0.829)	543819	10.0000	11
	34	Toluene	91	7.696	7.699	(0.836)	520960	10.0000	10
	35	trans-1,3-Dichloropropene	75	7.922	7.916	(1.297)	202085	10.0000	10
	36	1,1,2-Trichloroethane	97	8.119	8.113	(1.329)	110585	10.0000	10
	37	Tetrachloroethene	164	8.297	8.290	(0.902)	99800	10.0000	9(a)
	38	2-Hexanone	43	8.385	8.389	(0.911)	182312	10.0000	11
	39	Dibromochloromethane	129	8.553	8.546	(1.400)	130040	10.0000	10
	40	1,2-Dibromoethane	107	8.681	8.684	(0.943)	129697	10.0000	10
*	42	Chlorobenzene-d5	117	9.203	9.196	(1.000)	2015870	50.0000	
	43	Chlorobenzene	112	9.232	9.236	(1.003)	364315	10.0000	10
	44	Ethylbenzene	106	9.360	9.354	(1.017)	160301	10.0000	9(a)
	45	m,p-Xylene	106	9.489	9.492	(1.031)	427011	20.0000	19
	46	o-Xylene	106	9.951	9.945	(1.081)	203130	10.0000	9(a)
	47	Styrene	104	9.961	9.955	(1.082)	275349	10.0000	10
	48	Bromoform	173	10.168	10.171	(1.664)	94121	10.0000	10
	49	Isopropylbenzene	105	10.375	10.378	(1.127)	527764	10.0000	9(a)
$	50	Bromofluorobenzene	95	10.552	10.556	(1.147)	255121	10.0000	11
	51	1,1,2,2-Tetrachloroethane	83	10.710	10.713	(1.164)	203380	10.0000	10
M	41	Xylene (Total)	106				630142	10.0000	29
	52	1,3-Dichlorobenzene	146	11.862	11.856	(1.289)	304269	10.0000	10
	53	1,4-Dichlorobenzene	146	11.961	11.964	(1.300)	326022	10.0000	10
	54	1,2-Dichlorobenzene	146	12.414	12.407	(1.349)	297897	10.0000	10
	55	1,2-Dibromo-3-chloropropane	75	13.359	13.353	(1.452)	34908	10.0000	11
	56	1,2,4-Trichlorobenzene	180	14.384	14.387	(1.563)	215133	10.0000	12

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SB 5/6/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9480.D
Date : 13-APR-2005 14:55
Client ID: VSTD0205Z
Instrument: v5.i
Sample Info: ,VSTD0205Z,VSTD0205Z
Operator: JC
Column phase: DB-624
Column diameter: 0.25



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Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9480.D
Report Date: 06-May-2005 13:19

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9480.D
Lab Smp Id: VSTD0205Z Client Smp ID: VSTD0205Z
Inj Date : 13-APR-2005 14:55
Operator : JC Inst ID: v5.i
Smp Info : ,VSTD0205Z,VSTD0205Z
Misc Info : ,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\v5clp4h.m
Meth Date : 13-Apr-2005 15:47 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 11:17 Cal File: V5F9476.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.675	1.681	(0.328)	483752	20.0000	21
2	Chloromethane	50	1.862	1.858	(0.364)	442953	20.0000	21
3	Vinyl Chloride	62	1.980	1.977	(0.387)	382635	20.0000	21
4	Bromomethane	94	2.325	2.331	(0.455)	200134	20.0000	22
5	Chloroethane	64	2.443	2.439	(0.478)	164998	20.0000	21
6	Trichlorofluoromethane	101	2.670	2.676	(0.522)	386370	20.0000	21
7	1,1-Dichloroethene	96	3.172	3.178	(0.620)	201290	20.0000	21
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.211	3.208	(0.628)	206596	20.0000	21
9	Acetone	43	3.231	3.227	(0.632)	161465	20.0000	19
10	Carbon Disulfide	76	3.389	3.395	(0.663)	754404	20.0000	20
11	Methyl Acetate	43	3.930	3.927	(0.769)	216841	20.0000	20
12	Methylene Chloride	84	3.645	3.641	(0.713)	254453	20.0000	21
13	trans-1,2-Dichloroethene	96	3.911	3.917	(0.765)	318631	20.0000	22
14	Methyl tert-Butyl Ether	73	3.930	3.927	(0.769)	868220	20.0000	21
15	1,1-Dichloroethane	63	4.314	4.321	(0.844)	694914	20.0000	21

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9480.D
Report Date: 06-May-2005 13:19

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16	2-Butanone	43	4.896	4.892	(0.958)	264121	20.0000	22
	17	cis-1,2-Dichloroethene	96	4.886	4.882	(0.956)	340368	20.0000	22
*	18	Bromochloromethane	128	5.112	5.109	(1.000)	490924	50.0000	
	19	Chloroform	83	5.191	5.188	(1.015)	604241	20.0000	22
	20	1,1,1-Trichloroethane	97	5.378	5.375	(0.881)	381468	20.0000	20
	21	Cyclohexane	56	5.437	5.434	(0.890)	648432	20.0000	21
	22	Carbon Tetrachloride	117	5.546	5.542	(0.908)	339673	20.0000	20
$	23	1,2-Dichloroethane-d4	65	5.674	5.670	(1.110)	408347	20.0000	20
	24	1,2-Dichloroethane	62	5.743	5.739	(1.123)	432105	20.0000	21
	25	Benzene	78	5.733	5.739	(0.939)	1298344	20.0000	21
*	26	1,4-Difluorobenzene	114	6.107	6.104	(1.000)	2565349	50.0000	
	27	Trichloroethene	130	6.373	6.379	(1.044)	341308	20.0000	21
	28	Methylcyclohexane	83	6.580	6.576	(1.077)	535872	20.0000	21
	29	1,2-Dichloropropane	63	6.600	6.596	(1.081)	387142	20.0000	21
	30	Bromodichloromethane	83	6.875	6.872	(1.126)	422802	20.0000	20
	31	cis-1,3-Dichloropropene	75	7.338	7.335	(1.202)	512738	20.0000	20
	32	4-Methyl-2-Pentanone	43	7.496	7.492	(0.815)	412214	20.0000	21
$	33	Toluene-d8	98	7.624	7.620	(0.829)	1101896	20.0000	21
	34	Toluene	91	7.693	7.699	(0.836)	1241379	20.0000	22
	35	trans-1,3-Dichloropropene	75	7.919	7.916	(1.297)	467056	20.0000	20
	36	1,1,2-Trichloroethane	97	8.116	8.113	(1.329)	243945	20.0000	20
	37	Tetrachloroethene	164	8.294	8.290	(0.902)	259538	20.0000	21
	38	2-Hexanone	43	8.392	8.389	(0.912)	374487	20.0000	22
	39	Dibromochloromethane	129	8.550	8.546	(1.400)	295936	20.0000	19
	40	1,2-Dibromoethane	107	8.678	8.684	(0.943)	275526	20.0000	20
*	42	Chlorobenzene-d5	117	9.200	9.196	(1.000)	2241808	50.0000	
	43	Chlorobenzene	112	9.229	9.236	(1.003)	849438	20.0000	22
	44	Ethylbenzene	106	9.357	9.354	(1.017)	406816	20.0000	21
	45	m,p-Xylene	106	9.495	9.492	(1.032)	1046262	40.0000	44
	46	o-Xylene	106	9.948	9.945	(1.081)	502351	20.0000	22
	47	Styrene	104	9.958	9.955	(1.082)	685521	20.0000	22
	48	Bromoform	173	10.175	10.171	(1.666)	189041	20.0000	18
	49	Isopropylbenzene	105	10.382	10.378	(1.128)	1325724	20.0000	22
$	50	Bromofluorobenzene	95	10.549	10.556	(1.147)	496690	20.0000	21
	51	1,1,2,2-Tetrachloroethane	83	10.717	10.713	(1.165)	391806	20.0000	20
M	41	Xylene (Total)	106				1548613	20.0000	67
	52	1,3-Dichlorobenzene	146	11.859	11.856	(1.289)	751225	20.0000	22
	53	1,4-Dichlorobenzene	146	11.968	11.964	(1.301)	779614	20.0000	23
	54	1,2-Dichlorobenzene	146	12.411	12.407	(1.349)	696013	20.0000	22
	55	1,2-Dibromo-3-chloropropane	75	13.356	13.353	(1.452)	59912	20.0000	19
	56	1,2,4-Trichlorobenzene	180	14.391	14.387	(1.564)	459105	20.0000	23

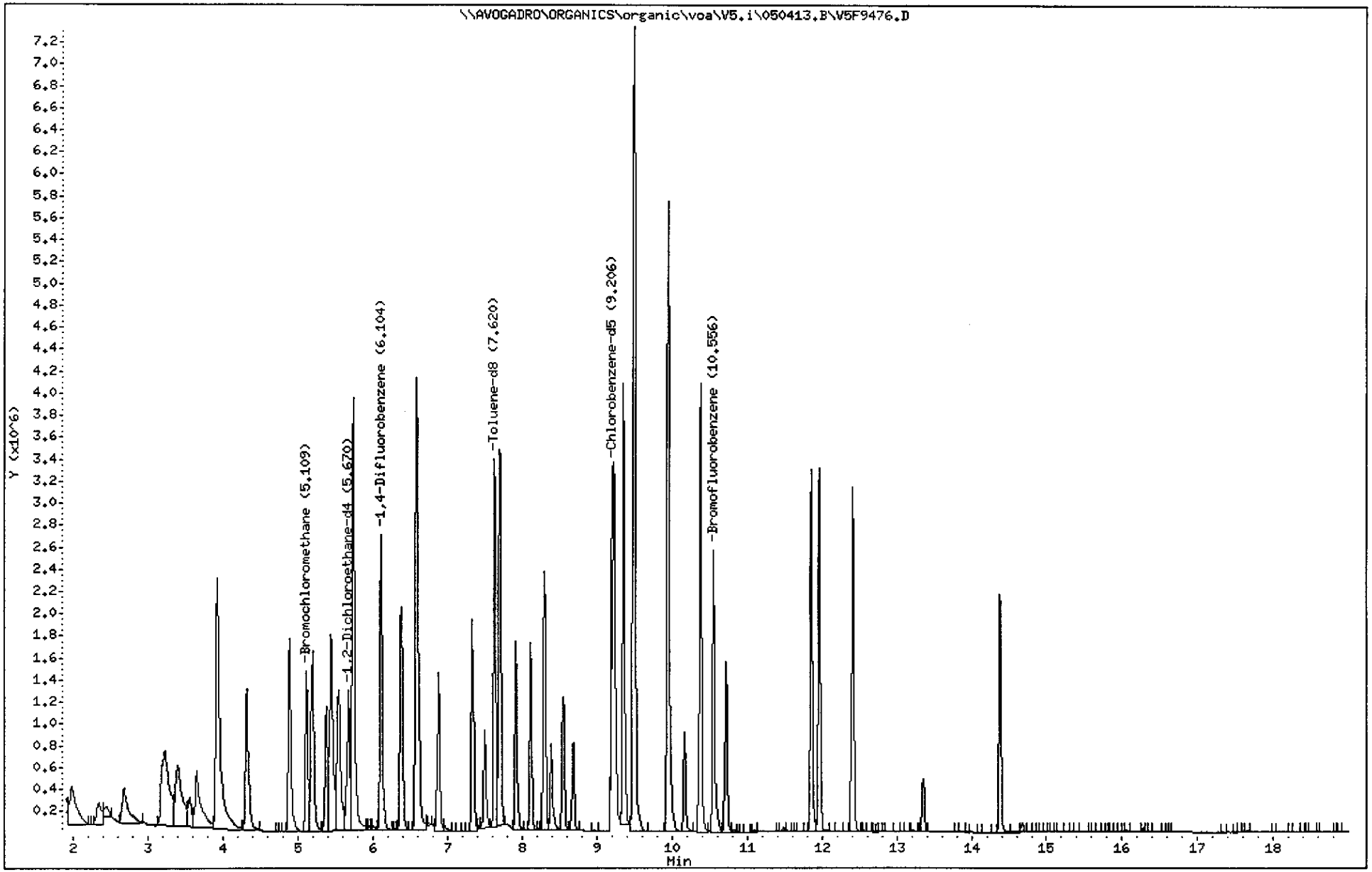
(38)
5/6/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9476.D
Date : 13-APR-2005 11:17
Client ID: VSTD0505Z
Sample Info: ,VSTD0505Z,VSTD0505Z

Instrument: v5.i

Operator: JC
Column diameter: 0.25

Column phase: DB-624



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Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9476.D
Report Date: 06-May-2005 13:19

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9476.D
Lab Smp Id: VSTD0505Z Client Smp ID: VSTD0505Z
Inj Date : 13-APR-2005 11:17
Operator : JC Inst ID: v5.i
Smp Info : ,VSTD0505Z,VSTD0505Z
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\v5clp4h.m
Meth Date : 13-Apr-2005 15:47 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 11:17 Cal File: V5F9476.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

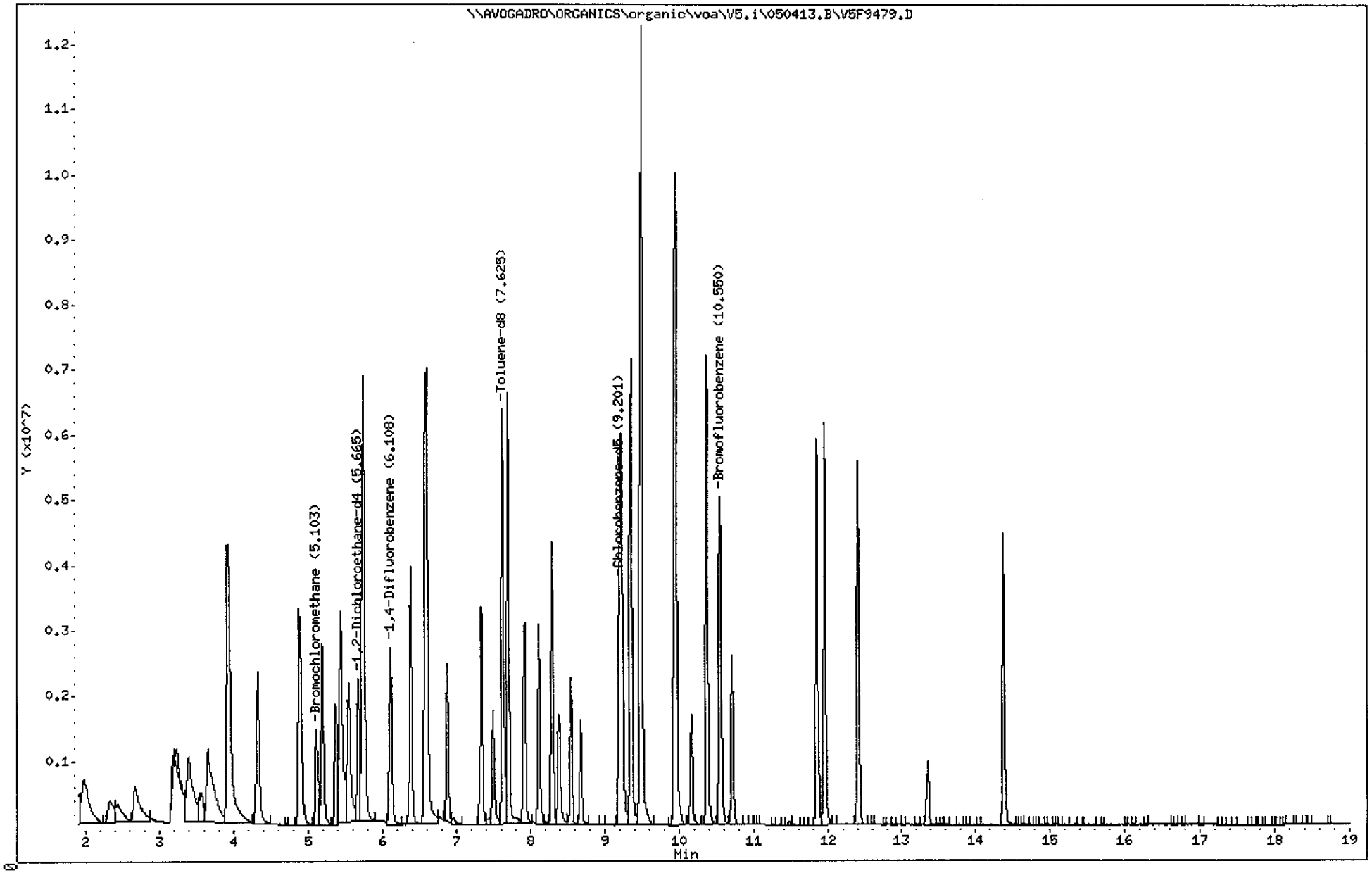
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.681	1.681	(0.329)	1249027	50.0000	50
2	Chloromethane	50	1.858	1.858	(0.364)	1095168	50.0000	50
3	Vinyl Chloride	62	1.977	1.977	(0.387)	941086	50.0000	50
4	Bromomethane	94	2.331	2.331	(0.456)	487640	50.0000	50
5	Chloroethane	64	2.439	2.439	(0.478)	421522	50.0000	50
6	Trichlorofluoromethane	101	2.676	2.676	(0.524)	1029041	50.0000	50
7	1,1-Dichloroethene	96	3.178	3.178	(0.622)	527158	50.0000	50
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.208	3.208	(0.628)	521849	50.0000	50
9	Acetone	43	3.227	3.227	(0.632)	458263	50.0000	50
10	Carbon Disulfide	76	3.395	3.395	(0.665)	2033374	50.0000	50
11	Methyl Acetate	43	3.927	3.927	(0.769)	542892	50.0000	50
12	Methylene Chloride	84	3.641	3.641	(0.713)	577156	50.0000	50
13	trans-1,2-Dichloroethene	96	3.917	3.917	(0.767)	742643	50.0000	50
14	Methyl tert-Butyl Ether	73	3.927	3.927	(0.769)	2191320	50.0000	50
15	1,1-Dichloroethane	63	4.321	4.321	(0.846)	1740532	50.0000	50

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9476.D
Report Date: 06-May-2005 13:19

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16	2-Butanone	43	4.892	4.892	(0.958)	601442	50.0000	50
	17	cis-1,2-Dichloroethene	96	4.882	4.882	(0.956)	818783	50.0000	50
*	18	Bromochloromethane	128	5.109	5.109	(1.000)	489073	50.0000	
	19	Chloroform	83	5.188	5.188	(1.015)	1484922	50.0000	50
	20	1,1,1-Trichloroethane	97	5.375	5.375	(0.881)	982027	50.0000	50
	21	Cyclohexane	56	5.434	5.434	(0.890)	1635779	50.0000	50
	22	Carbon Tetrachloride	117	5.542	5.542	(0.908)	910055	50.0000	50
$	23	1,2-Dichloroethane-d4	65	5.670	5.670	(1.110)	1025527	50.0000	50
	24	1,2-Dichloroethane	62	5.739	5.739	(1.123)	1102959	50.0000	50
	25	Benzene	78	5.739	5.739	(0.940)	3242467	50.0000	50
*	26	1,4-Difluorobenzene	114	6.104	6.104	(1.000)	2432972	50.0000	
	27	Trichloroethene	130	6.379	6.379	(1.045)	836123	50.0000	50
	28	Methylcyclohexane	83	6.576	6.576	(1.077)	1354472	50.0000	50
	29	1,2-Dichloropropane	63	6.596	6.596	(1.081)	956363	50.0000	50
	30	Bromodichloromethane	83	6.872	6.872	(1.126)	1122376	50.0000	50
	31	cis-1,3-Dichloropropene	75	7.335	7.335	(1.202)	1346363	50.0000	50
	32	4-Methyl-2-Pentanone	43	7.492	7.492	(0.815)	910139	50.0000	50
$	33	Toluene-d8	98	7.620	7.620	(0.829)	2581538	50.0000	50
	34	Toluene	91	7.699	7.699	(0.837)	3071986	50.0000	50
	35	trans-1,3-Dichloropropene	75	7.916	7.916	(1.297)	1158602	50.0000	50
	36	1,1,2-Trichloroethane	97	8.113	8.113	(1.329)	623431	50.0000	50
	37	Tetrachloroethene	164	8.290	8.290	(0.901)	663966	50.0000	50
	38	2-Hexanone	43	8.389	8.389	(0.912)	809244	50.0000	50
	39	Dibromochloromethane	129	8.546	8.546	(1.400)	776363	50.0000	50
	40	1,2-Dibromoethane	107	8.684	8.684	(0.944)	721506	50.0000	50
*	42	Chlorobenzene-d5	117	9.196	9.196	(1.000)	2217543	50.0000	
	43	Chlorobenzene	112	9.236	9.236	(1.004)	1989847	50.0000	50
	44	Ethylbenzene	106	9.354	9.354	(1.017)	1022099	50.0000	50
	45	m,p-Xylene	106	9.492	9.492	(1.032)	2543744	100.000	100
	46	o-Xylene	106	9.945	9.945	(1.081)	1263889	50.0000	50
	47	Styrene	104	9.955	9.955	(1.082)	1668068	50.0000	50
	48	Bromoform	173	10.171	10.171	(1.666)	525413	50.0000	50
	49	Isopropylbenzene	105	10.378	10.378	(1.129)	3291595	50.0000	50
$	50	Bromofluorobenzene	95	10.556	10.556	(1.148)	1144269	50.0000	50
	51	1,1,2,2-Tetrachloroethane	83	10.713	10.713	(1.165)	1013761	50.0000	50
M	41	Xylene (Total)	106				3807633	50.0000	150
	52	1,3-Dichlorobenzene	146	11.856	11.856	(1.289)	1726060	50.0000	50
	53	1,4-Dichlorobenzene	146	11.964	11.964	(1.301)	1708945	50.0000	50
	54	1,2-Dichlorobenzene	146	12.407	12.407	(1.349)	1607275	50.0000	50
	55	1,2-Dibromo-3-chloropropane	75	13.353	13.353	(1.452)	154354	50.0000	50
	56	1,2,4-Trichlorobenzene	180	14.387	14.387	(1.564)	863456	50.0000	50

SB 5/6/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9479.D
Date : 13-APR-2005 14:26
Client ID: VSTD1005Z
Instrument: v5.i
Sample Info: ,VSTD1005Z,VSTD1005Z
Operator: JC
Column phase: DB-624
Column diameter: 0.25



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Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9479.D
Report Date: 06-May-2005 13:19

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9479.D
Lab Smp Id: VSTD1005Z Client Smp ID: VSTD1005Z
Inj Date : 13-APR-2005 14:26
Operator : JC Inst ID: v5.i
Smp Info : ,VSTD1005Z,VSTD1005Z
Misc Info : ,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\v5clp4h.m
Meth Date : 13-Apr-2005 15:47 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 11:17 Cal File: V5F9476.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.676	1.681	(0.328)	2351048	100.000	98
2	Chloromethane	50	1.863	1.858	(0.364)	2108545	100.000	96
3	Vinyl Chloride	62	1.971	1.977	(0.386)	1852654	100.000	99
4	Bromomethane	94	2.316	2.331	(0.453)	863109	100.000	96
5	Chloroethane	64	2.434	2.439	(0.476)	705451	100.000	91
6	Trichlorofluoromethane	101	2.671	2.676	(0.522)	1829165	100.000	97
7	1,1-Dichloroethene	96	3.173	3.178	(0.621)	993833	100.000	100
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.202	3.208	(0.626)	931433	100.000	93
9	Acetone	43	3.232	3.227	(0.632)	668664	100.000	77
10	Carbon Disulfide	76	3.390	3.395	(0.663)	3787338	100.000	97
11	Methyl Acetate	43	3.931	3.927	(0.769)	982297	100.000	89
12	Methylene Chloride	84	3.646	3.641	(0.713)	1586535	100.000	130
13	trans-1,2-Dichloroethene	96	3.912	3.917	(0.765)	1473223	100.000	100
14	Methyl tert-Butyl Ether	73	3.931	3.927	(0.769)	4142468	100.000	96
15	1,1-Dichloroethane	63	4.315	4.321	(0.844)	3178215	100.000	97

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9479.D
Report Date: 06-May-2005 13:19

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	16	2-Butanone	43	4.896	4.892	(0.958)	1148760	100.000	94
	17	cis-1,2-Dichloroethene	96	4.877	4.882	(0.954)	1508258	100.000	96
*	18	Bromochloromethane	128	5.113	5.109	(1.000)	505378	50.0000	
	19	Chloroform	83	5.182	5.188	(1.013)	2712632	100.000	96
	20	1,1,1-Trichloroethane	97	5.369	5.375	(0.879)	1704561	100.000	88
	21	Cyclohexane	56	5.438	5.434	(0.890)	2927684	100.000	93
	22	Carbon Tetrachloride	117	5.537	5.542	(0.906)	1595547	100.000	91
$	23	1,2-Dichloroethane-d4	65	5.665	5.670	(1.108)	1940657	100.000	93
	24	1,2-Dichloroethane	62	5.744	5.739	(1.123)	1982191	100.000	93
	25	Benzene	78	5.734	5.739	(0.939)	5831989	100.000	93
*	26	1,4-Difluorobenzene	114	6.108	6.104	(1.000)	2586481	50.0000	
	27	Trichloroethene	130	6.374	6.379	(1.044)	1541493	100.000	93
	28	Methylcyclohexane	83	6.581	6.576	(1.077)	2486602	100.000	96
	29	1,2-Dichloropropane	63	6.591	6.596	(1.079)	1677292	100.000	91
	30	Bromodichloromethane	83	6.866	6.872	(1.124)	2005997	100.000	91
	31	cis-1,3-Dichloropropene	75	7.329	7.335	(1.200)	2378049	100.000	92
	32	4-Methyl-2-Pentanone	43	7.487	7.492	(0.814)	1760479	100.000	93
$	33	Toluene-d8	98	7.625	7.620	(0.829)	4945238	100.000	96
	34	Toluene	91	7.694	7.699	(0.836)	5476518	100.000	97
	35	trans-1,3-Dichloropropene	75	7.920	7.916	(1.297)	2125644	100.000	91
	36	1,1,2-Trichloroethane	97	8.117	8.113	(1.329)	1128422	100.000	92
	37	Tetrachloroethene	164	8.295	8.290	(0.902)	1212496	100.000	100
	38	2-Hexanone	43	8.383	8.389	(0.911)	1623251	100.000	96
	39	Dibromochloromethane	129	8.551	8.546	(1.400)	1423903	100.000	92
	40	1,2-Dibromoethane	107	8.679	8.684	(0.943)	1327885	100.000	96
*	42	Chlorobenzene-d5	117	9.201	9.196	(1.000)	2250238	50.0000	
	43	Chlorobenzene	112	9.230	9.236	(1.003)	3643213	100.000	96
	44	Ethylbenzene	106	9.358	9.354	(1.017)	1861330	100.000	99
	45	m,p-Xylene	106	9.486	9.492	(1.031)	4508822	200.000	190
	46	o-Xylene	106	9.949	9.945	(1.081)	2214740	100.000	97
	47	Styrene	104	9.959	9.955	(1.082)	2947476	100.000	97
	48	Bromoform	173	10.166	10.171	(1.664)	961812	100.000	90
	49	Isopropylbenzene	105	10.373	10.378	(1.127)	5834044	100.000	98
$	50	Bromofluorobenzene	95	10.550	10.556	(1.147)	2141536	100.000	92
	51	1,1,2,2-Tetrachloroethane	83	10.708	10.713	(1.164)	1838431	100.000	93
M	41	Xylene (Total)	106				6723562	100.000	290
	52	1,3-Dichlorobenzene	146	11.850	11.856	(1.288)	3164070	100.000	97
	53	1,4-Dichlorobenzene	146	11.959	11.964	(1.300)	3167336	100.000	95
	54	1,2-Dichlorobenzene	146	12.412	12.407	(1.349)	2929683	100.000	95
	55	1,2-Dibromo-3-chloropropane	75	13.347	13.353	(1.451)	298600	100.000	93
	56	1,2,4-Trichlorobenzene	180	14.382	14.387	(1.563)	1720976	100.000	91

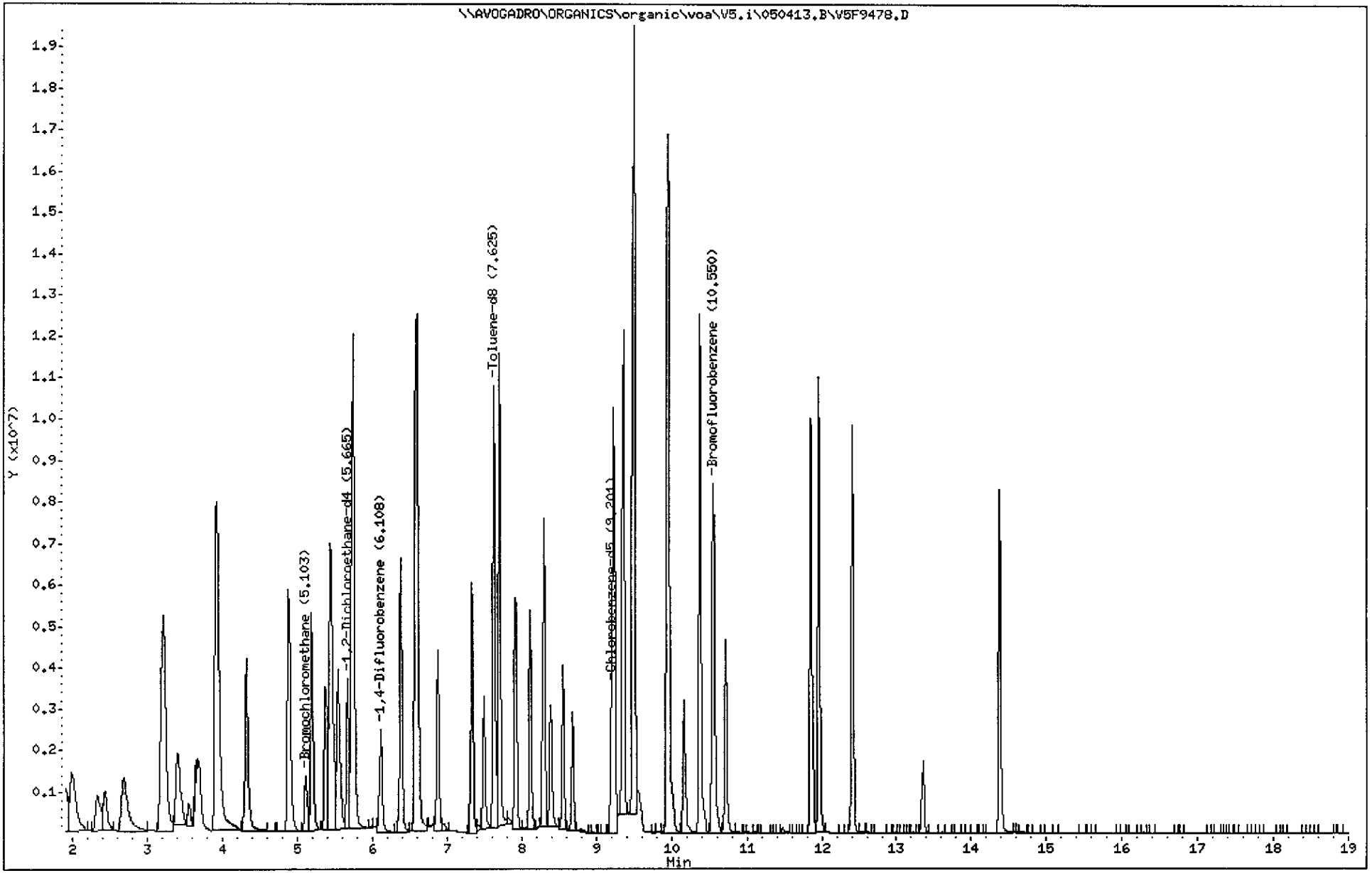
SB 5/6/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9478.D
Date : 13-APR-2005 13:40
Client ID: VSTD2005Z
Sample Info: ,VSTD2005Z,VSTD2005Z

Instrument: v5.i

Operator: JC
Column diameter: 0.25

Column phase: DB-624



0103

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9478.D
Report Date: 06-May-2005 13:19

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9478.D
Lab Smp Id: VSTD2005Z Client Smp ID: VSTD2005Z
Inj Date : 13-APR-2005 13:40
Operator : JC Inst ID: v5.i
Smp Info : ,VSTD2005Z,VSTD2005Z
Misc Info : ,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\v5clp4h.m
Meth Date : 13-Apr-2005 15:47 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 11:17 Cal File: V5F9476.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.686	1.681	(0.330)	4638936	200.000	210(A)
2 Chloromethane	50	1.873	1.858	(0.366)	3956579	200.000	200
3 Vinyl Chloride	62	1.991	1.977	(0.389)	3649116	200.000	220(A)
4 Bromomethane	94	2.326	2.331	(0.455)	1689026	200.000	200(A)
5 Chloroethane	64	2.424	2.439	(0.474)	1406555	200.000	190
6 Trichlorofluoromethane	101	2.680	2.676	(0.524)	3647211	200.000	210(A)
7 1,1-Dichloroethene	96	3.193	3.178	(0.624)	1818202	200.000	210(A)
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.212	3.208	(0.628)	2448511	200.000	270(A)
9 Acetone	43	3.222	3.227	(0.630)	1257919	200.000	150
10 Carbon Disulfide	76	3.409	3.395	(0.667)	7260010	200.000	200(A)
11 Methyl Acetate	43	3.921	3.927	(0.767)	1838247	200.000	180
12 Methylene Chloride	84	3.685	3.641	(0.721)	2228276	200.000	220(A)
13 trans-1,2-Dichloroethene	96	3.912	3.917	(0.765)	2731509	200.000	210(A)
14 Methyl tert-Butyl Ether	73	3.931	3.927	(0.769)	7204038	200.000	180
15 1,1-Dichloroethane	63	4.315	4.321	(0.844)	5859680	200.000	200

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9478.D
Report Date: 06-May-2005 13:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 2-Butanone	43	4.887	4.892	(0.956)	2052862	200.000	180
	17 cis-1,2-Dichloroethene	96	4.877	4.882	(0.954)	2809266	200.000	200
*	18 Bromochloromethane	128	5.113	5.109	(1.000)	455483	50.0000	
	19 Chloroform	83	5.182	5.188	(1.013)	4991468	200.000	190
	20 1,1,1-Trichloroethane	97	5.369	5.375	(0.879)	3714127	200.000	210(A)
	21 Cyclohexane	56	5.438	5.434	(0.890)	5712942	200.000	200
	22 Carbon Tetrachloride	117	5.537	5.542	(0.906)	3280310	200.000	200(A)
$	23 1,2-Dichloroethane-d4	65	5.665	5.670	(1.108)	3362836	200.000	170
	24 1,2-Dichloroethane	62	5.744	5.739	(1.123)	3630200	200.000	190
	25 Benzene	78	5.734	5.739	(0.939)	10041562	200.000	180
*	26 1,4-Difluorobenzene	114	6.108	6.104	(1.000)	2295611	50.0000	
	27 Trichloroethene	130	6.374	6.379	(1.044)	2799914	200.000	190
	28 Methylcyclohexane	83	6.581	6.576	(1.077)	4576605	200.000	200
	29 1,2-Dichloropropane	63	6.591	6.596	(1.079)	2858977	200.000	170
	30 Bromodichloromethane	83	6.866	6.872	(1.124)	3682903	200.000	180
	31 cis-1,3-Dichloropropene	75	7.329	7.335	(1.200)	4448791	200.000	190
	32 4-Methyl-2-Pentanone	43	7.487	7.492	(0.814)	3052913	200.000	170
$	33 Toluene-d8	98	7.625	7.620	(0.829)	8078827	200.000	160
	34 Toluene	91	7.694	7.699	(0.836)	9308292	200.000	170
	35 trans-1,3-Dichloropropene	75	7.910	7.916	(1.295)	3961331	200.000	190
	36 1,1,2-Trichloroethane	97	8.117	8.113	(1.329)	1946642	200.000	170
	37 Tetrachloroethene	164	8.295	8.290	(0.902)	2138758	200.000	190
	38 2-Hexanone	43	8.383	8.389	(0.911)	2811025	200.000	170
	39 Dibromochloromethane	129	8.551	8.546	(1.400)	2676903	200.000	190
	40 1,2-Dibromoethane	107	8.679	8.684	(0.943)	2447057	200.000	190
*	42 Chlorobenzene-d5	117	9.201	9.196	(1.000)	2119307	50.0000	
	43 Chlorobenzene	112	9.230	9.236	(1.003)	6507801	200.000	180
	44 Ethylbenzene	106	9.358	9.354	(1.017)	3406006	200.000	190
	45 m,p-Xylene	106	9.496	9.492	(1.032)	7965699	400.000	360
	46 o-Xylene	106	9.949	9.945	(1.081)	3934261	200.000	180
	47 Styrene	104	9.959	9.955	(1.082)	5114223	200.000	180
	48 Bromoform	173	10.166	10.171	(1.664)	1826622	200.000	190
	49 Isopropylbenzene	105	10.373	10.378	(1.127)	10394310	200.000	180
$	50 Bromofluorobenzene	95	10.550	10.556	(1.147)	3688808	200.000	160
	51 1,1,2,2-Tetrachloroethane	83	10.708	10.713	(1.164)	3299571	200.000	170
M	41 Xylene (Total)	106				11899960	200.000	550
	52 1,3-Dichlorobenzene	146	11.860	11.856	(1.289)	5613662	200.000	180
	53 1,4-Dichlorobenzene	146	11.959	11.964	(1.300)	5672123	200.000	180
	54 1,2-Dichlorobenzene	146	12.412	12.407	(1.349)	5244148	200.000	180
	55 1,2-Dibromo-3-chloropropane	75	13.347	13.353	(1.451)	538478	200.000	170
	56 1,2,4-Trichlorobenzene	180	14.382	14.387	(1.563)	3138400	200.000	170

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

SB 5/6/05

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Instrument ID: V5 Calibration Date: 05/13/05 Time: 1009

Lab File ID: V5F9941 Init. Calib. Date(s): 04/13/05 04/13/05

EPA Sample No.(VSTD050##): VSTD0505L Init. Calib. Times: 1117 1455

Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	2.386	2.900		21.5		
Chloromethane	2.182	2.657		21.8		
Vinyl Chloride	1.869	2.272	0.100	21.6	25.0	
Bromomethane	0.918	1.192	0.100	29.8	25.0	<-
Chloroethane	0.784	1.013		29.2		
Trichlorofluoromethane	1.893	2.428		28.3		
1,1-Dichloroethene	0.985	1.254	0.100	27.3	25.0	<-
1,1,2-Trichloro-1,2,2-trifluoroethane	1.000	1.229		22.9		
Acetone	0.850	1.122		32.0		
Carbon Disulfide	3.852	4.660		21.0		
Methyl Acetate	1.093	1.063		-2.7		
Methylene Chloride	1.255	1.670		33.1		
trans-1,2-Dichloroethene	1.493	1.745		16.9		
Methyl tert-Butyl Ether	4.289	4.464		4.1		
1,1-Dichloroethane	3.306	3.593	0.200	8.7	25.0	
cis-1,2-Dichloroethene	1.591	1.764		10.9		
2-Butanone	1.232	1.464		18.8		
Chloroform	2.857	3.105	0.200	8.7	25.0	
1,1,1-Trichloroethane	0.374	0.434	0.100	16.0	25.0	
Cyclohexane	0.613	0.679		10.8		
Carbon Tetrachloride	0.337	0.415	0.100	23.1	25.0	
Benzene	1.225	1.383	0.500	12.9	25.0	
1,2-Dichloroethane	2.123	2.385	0.100	12.3	25.0	
Trichloroethene	0.322	0.373	0.300	15.8	25.0	
Methylcyclohexane	0.506	0.576		13.8		

All other compounds must meet a minimum RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Instrument ID: V5 Calibration Date: 05/13/05 Time: 1009

Lab File ID: V5F9941 Init. Calib. Date(s): 04/13/05 04/13/05

EPA Sample No.(VSTD050##): VSTD0505L Init. Calib. Times: 1117 1455

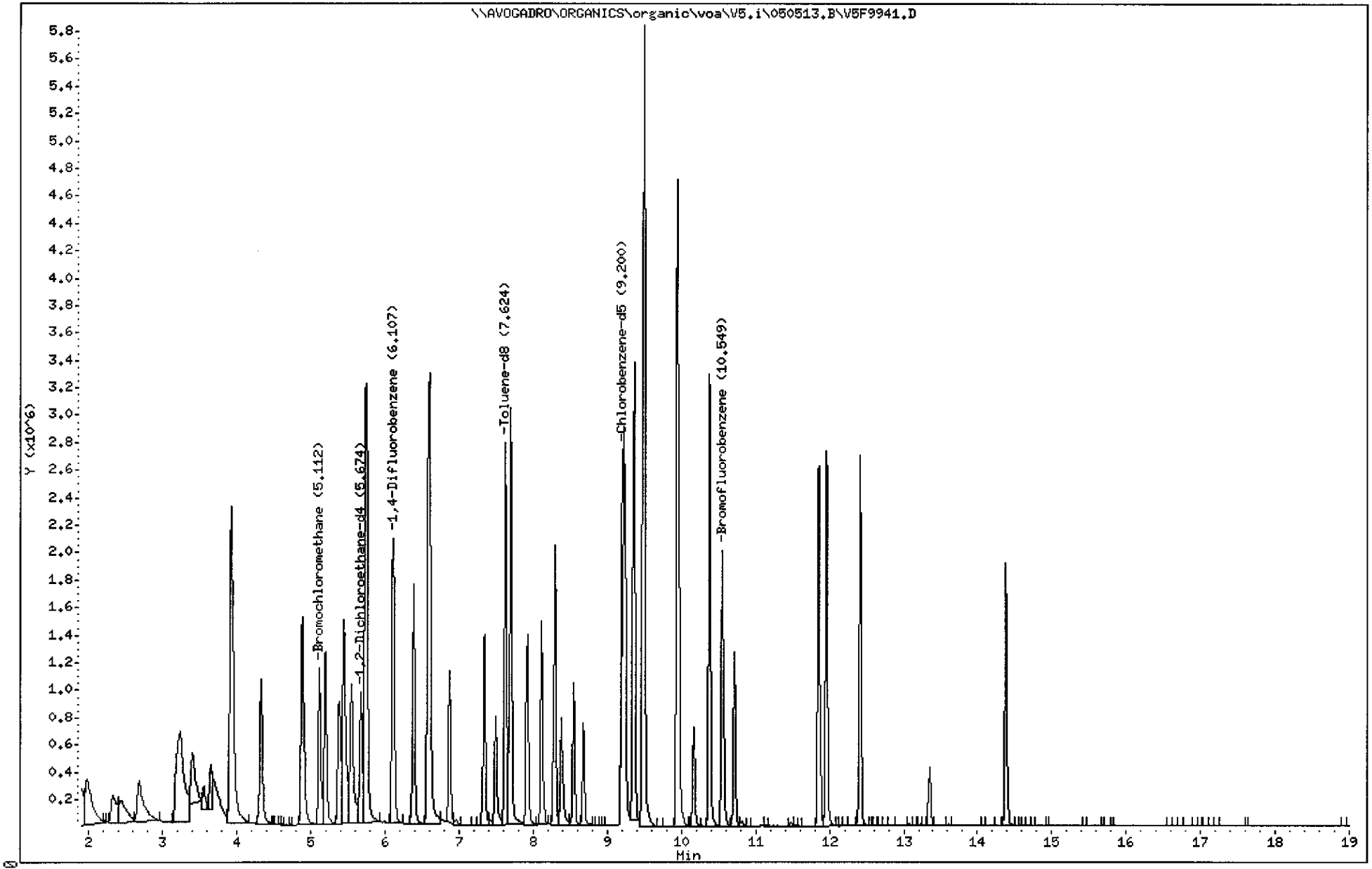
Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.359	0.401		11.7	
Bromodichloromethane	0.422	0.460	0.200	9.0	25.0
cis-1,3-Dichloropropene	0.501	0.521	0.200	4.0	25.0
4-Methyl-2-Pentanone	0.429	0.483		12.6	
Toluene	1.275	1.461	0.400	14.6	25.0
trans-1,3-Dichloropropene	0.451	0.476	0.100	5.5	25.0
1,1,2-Trichloroethane	0.238	0.280	0.100	17.6	25.0
Tetrachloroethene	0.271	0.323	0.200	19.2	25.0
2-Hexanone	0.386	0.432		11.9	
Dibromochloromethane	0.297	0.332	0.100	11.8	25.0
1,2-Dibromoethane	0.308	0.358		16.2	
Chlorobenzene	0.865	0.974	0.500	12.6	25.0
Ethylbenzene	0.426	0.501	0.100	17.6	25.0
Xylene (Total)	0.518	0.592	0.300	14.3	25.0
Styrene	0.691	0.782	0.300	13.2	25.0
Bromoform	0.202	0.213	0.100	5.4	25.0
Isopropylbenzene	1.359	1.551		14.1	
1,1,2,2-Tetrachloroethane	0.439	0.501	0.300	14.1	25.0
1,3-Dichlorobenzene	0.747	0.825	0.600	10.4	25.0
1,4-Dichlorobenzene	0.764	0.829	0.500	8.5	25.0
1,2-Dichlorobenzene	0.702	0.782	0.400	11.4	25.0
1,2-Dibromo-3-chloropropane	0.071	0.077		8.5	
1,2,4-Trichlorobenzene	0.437	0.413	0.200	-5.5	25.0
Toluene-d8	1.159	1.212		4.6	
Bromofluorobenzene	0.523	0.496	0.200	-5.2	25.0
1,2-Dichloroethane-d4	2.076	2.058		-0.9	

All other compounds must meet a minimum RRF of 0.010.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9941.D
Date : 13-MAY-2005 10:09
Client ID: VSTD0505L
Instrument: v5.i
Sample Info: ,VSTD0505L,VSTD0505L
Operator: JC
Column phase: DB-624
Column diameter: 0.25



8010

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9941.D
Report Date: 31-May-2005 10:46

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9941.D
Lab Smp Id: VSTD0505L Client Smp ID: VSTD0505L
Inj Date : 13-MAY-2005 10:09
Operator : JC Inst ID: v5.i
Smp Info : ,VSTD0505L,VSTD0505L
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 31-May-2005 10:42 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.685	1.685	(0.330)	1163015	50.0000	61
2	Chloromethane	50	1.882	1.882	(0.368)	1065835	50.0000	61
3	Vinyl Chloride	62	1.980	1.980	(0.387)	911216	50.0000	61
4	Bromomethane	94	2.325	2.325	(0.455)	478174	50.0000	65
5	Chloroethane	64	2.453	2.453	(0.480)	406209	50.0000	65
6	Trichlorofluoromethane	101	2.679	2.679	(0.524)	973766	50.0000	64
7	1,1-Dichloroethene	96	3.182	3.182	(0.622)	502933	50.0000	64
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.211	3.211	(0.628)	492739	50.0000	61
9	Acetone	43	3.231	3.231	(0.632)	449863	50.0000	66
10	Carbon Disulfide	76	3.398	3.398	(0.665)	1868921	50.0000	60
11	Methyl Acetate	43	3.930	3.930	(0.769)	426476	50.0000	49
12	Methylene Chloride	84	3.645	3.645	(0.713)	669625	50.0000	67
13	trans-1,2-Dichloroethene	96	3.911	3.911	(0.765)	699948	50.0000	58
14	Methyl tert-Butyl Ether	73	3.930	3.930	(0.769)	1790507	50.0000	52
15	1,1-Dichloroethane	63	4.314	4.314	(0.844)	1441244	50.0000	54

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9941.D
Report Date: 31-May-2005 10:46

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16	2-Butanone	43	4.896	4.896	(0.958)	587057	50.0000	59
	17	cis-1,2-Dichloroethene	96	4.876	4.876	(0.954)	707434	50.0000	55
*	18	Bromochloromethane	128	5.112	5.112	(1.000)	401080	50.0000	
	19	Chloroform	83	5.191	5.191	(1.015)	1245416	50.0000	54
	20	1,1,1-Trichloroethane	97	5.378	5.378	(0.881)	843803	50.0000	58
	21	Cyclohexane	56	5.437	5.437	(0.890)	1320531	50.0000	55
	22	Carbon Tetrachloride	117	5.546	5.546	(0.908)	806873	50.0000	62
$	23	1,2-Dichloroethane-d4	65	5.674	5.674	(1.110)	825553	50.0000	50
	24	1,2-Dichloroethane	62	5.743	5.743	(1.123)	956560	50.0000	56
	25	Benzene	78	5.733	5.733	(0.939)	2688658	50.0000	56
*	26	1,4-Difluorobenzene	114	6.107	6.107	(1.000)	1943927	50.0000	
	27	Trichloroethene	130	6.373	6.373	(1.044)	725715	50.0000	58
	28	Methylcyclohexane	83	6.580	6.580	(1.077)	1120564	50.0000	57
	29	1,2-Dichloropropane	63	6.600	6.600	(1.081)	780322	50.0000	56
	30	Bromodichloromethane	83	6.875	6.875	(1.126)	895057	50.0000	55
	31	cis-1,3-Dichloropropene	75	7.338	7.338	(1.202)	1011859	50.0000	52
	32	4-Methyl-2-Pentanone	43	7.496	7.496	(0.815)	843004	50.0000	56
$	33	Toluene-d8	98	7.624	7.624	(0.829)	2114004	50.0000	52
	34	Toluene	91	7.693	7.693	(0.836)	2548740	50.0000	57
	35	trans-1,3-Dichloropropene	75	7.919	7.919	(1.297)	924784	50.0000	53
	36	1,1,2-Trichloroethane	97	8.116	8.116	(1.329)	544951	50.0000	59
	37	Tetrachloroethene	164	8.294	8.294	(0.902)	563881	50.0000	59
	38	2-Hexanone	43	8.382	8.382	(0.911)	753593	50.0000	56
	39	Dibromochloromethane	129	8.550	8.550	(1.400)	645627	50.0000	56
	40	1,2-Dibromoethane	107	8.678	8.678	(0.943)	625551	50.0000	58
*	42	Chlorobenzene-d5	117	9.200	9.200	(1.000)	1744916	50.0000	
	43	Chlorobenzene	112	9.229	9.229	(1.003)	1699088	50.0000	56
	44	Ethylbenzene	106	9.357	9.357	(1.017)	874595	50.0000	59
	45	m,p-Xylene	106	9.495	9.495	(1.032)	2143980	100.000	120
	46	o-Xylene	106	9.948	9.948	(1.081)	1033351	50.0000	57
	47	Styrene	104	9.958	9.958	(1.082)	1364883	50.0000	57
	48	Bromoform	173	10.165	10.165	(1.664)	413245	50.0000	53
	49	Isopropylbenzene	105	10.372	10.372	(1.127)	2705695	50.0000	57
$	50	Bromofluorobenzene	95	10.549	10.549	(1.147)	865368	50.0000	47
	51	1,1,2,2-Tetrachloroethane	83	10.717	10.717	(1.165)	874047	50.0000	57
M	41	Xylene (Total)	106				3177331	50.0000	180
	52	1,3-Dichlorobenzene	146	11.859	11.859	(1.289)	1439967	50.0000	55
	53	1,4-Dichlorobenzene	146	11.968	11.968	(1.301)	1445879	50.0000	54
	54	1,2-Dichlorobenzene	146	12.411	12.411	(1.349)	1364434	50.0000	56
	55	1,2-Dibromo-3-chloropropane	75	13.347	13.347	(1.451)	134422	50.0000	55
	56	1,2,4-Trichlorobenzene	180	14.381	14.381	(1.563)	721300	50.0000	47

SB
5/31/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9475.D

Date : 13-APR-2005 10:45

Client ID: BFB5Z

Instrument: v5.i

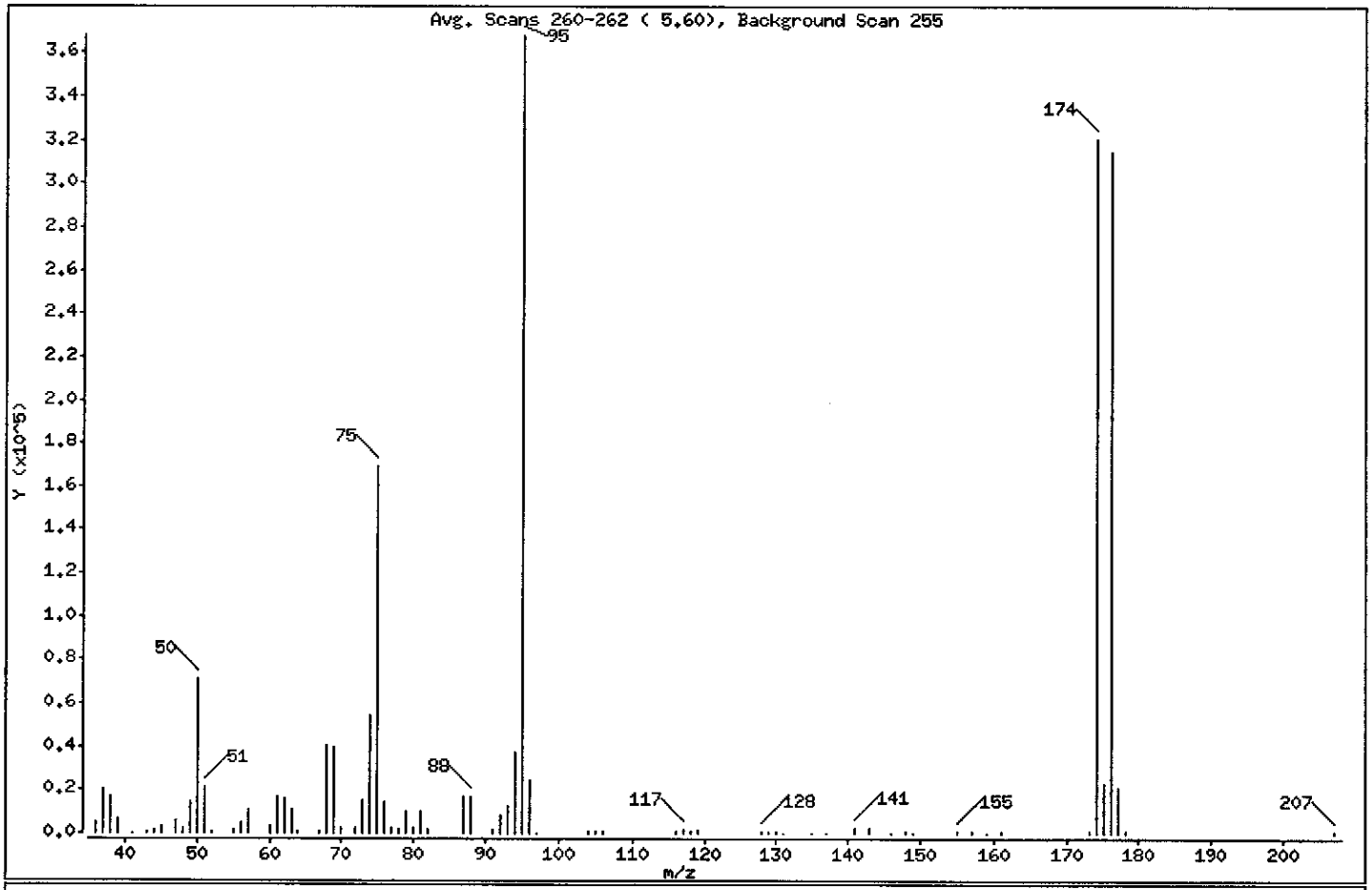
Sample Info: ,BFB5Z,BFB5Z

Operator: JC

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.43
75	30.00 - 66.00% of mass 95	46.04
96	5.00 - 9.00% of mass 95	6.73
173	Less than 2.00% of mass 174	0.17 (0.20)
174	50.00 - 120.00% of mass 95	87.23
175	4.00 - 9.00% of mass 174	6.26 (7.17)
176	93.00 - 101.00% of mass 174	85.42 (97.93)
177	5.00 - 9.00% of mass 176	5.67 (6.64)

COPY

Original Documents Are Included in CSF_____

Signed:_____ Date:_____

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9475.D

Date : 13-APR-2005 10:45

Client ID: BFB5Z

Instrument: v5.i

Sample Info: ,BFB5Z,BFB5Z

Operator: JC

Column phase: DB-624

Column diameter: 0.25

Data File: V5F9475.D
Spectrum: Avg. Scans 260-262 (5.60), Background Scan 255
Location of Maximum: 95.00
Number of points: 75

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4826	62.00	15864	88.00	17056	135.00	233
37.00	20400	63.00	11336	91.00	1376	137.00	230
38.00	17152	64.00	796	92.00	8430	141.00	2542
39.00	6876	67.00	1060	93.00	12795	143.00	2348
41.00	411	68.00	40520	94.00	37504	146.00	359
43.00	730	69.00	39376	95.00	367936	148.00	826
44.00	1354	70.00	2439	96.00	24752	149.00	174
45.00	3391	72.00	2208	97.00	410	155.00	725
47.00	5591	73.00	15338	104.00	1176	157.00	611
48.00	2605	74.00	54552	105.00	581	159.00	388
49.00	14328	75.00	169408	106.00	1268	161.00	430
50.00	71472	76.00	13970	116.00	1212	173.00	636
51.00	21168	77.00	2737	117.00	1892	174.00	320960
52.00	1255	78.00	1948	118.00	1178	175.00	23016
55.00	1300	79.00	10238	119.00	1654	176.00	314304
56.00	5463	80.00	2617	128.00	1259	177.00	20856
57.00	10863	81.00	10421	129.00	632	178.00	429
60.00	3710	82.00	1914	130.00	1143	207.00	446
61.00	16768	87.00	16928	131.00	236		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9475.D

Date : 13-APR-2005 10:45

Client ID: BFB5Z

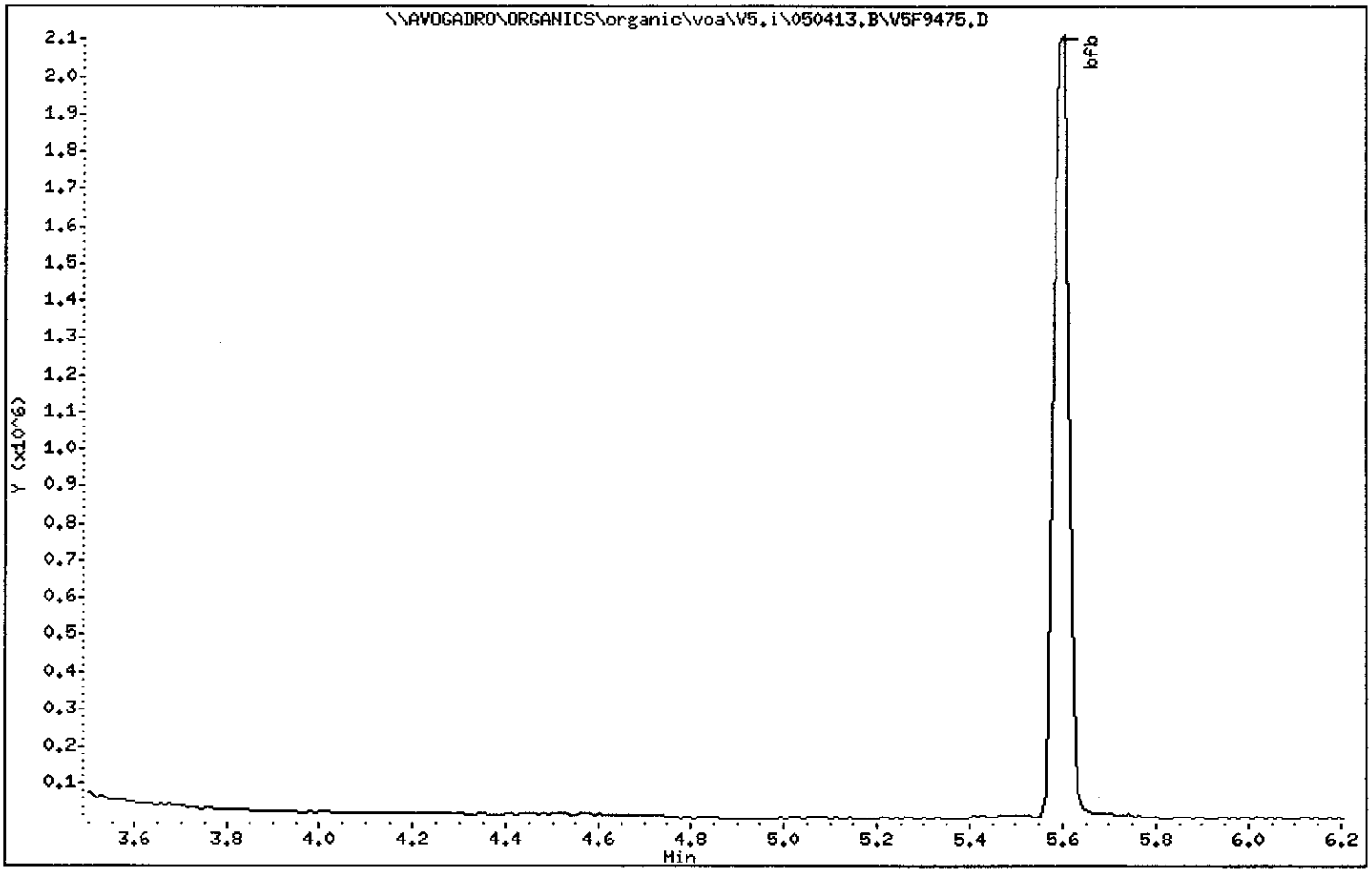
Instrument: v5.i

Sample Info: ,BFB5Z,BFB5Z

Operator: JC

Column phase: DB-624

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9940.D

Date : 13-MAY-2005 09:26

Client ID: BFB5L

Instrument: v5.i

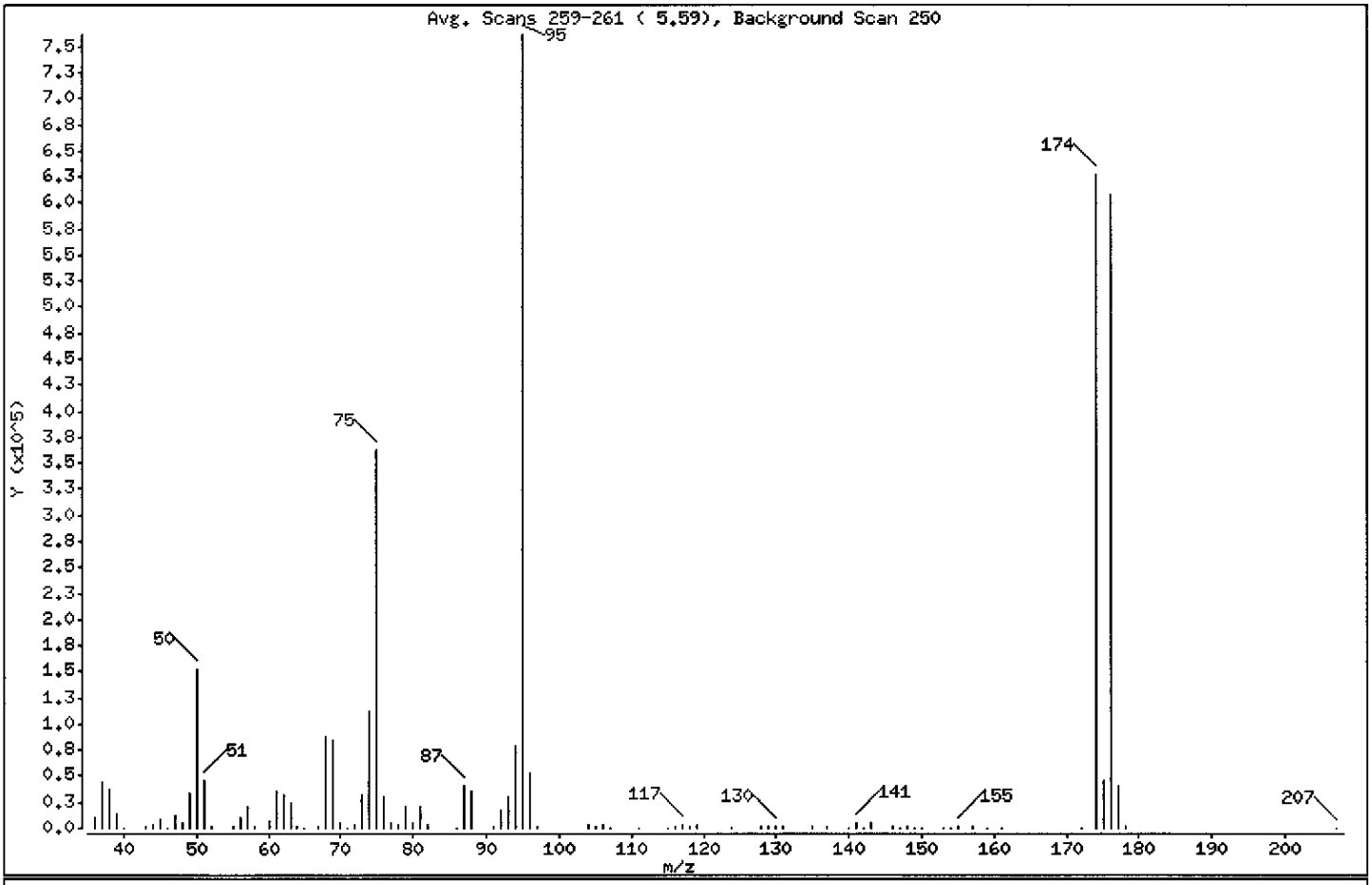
Sample Info: ,BFB5L,BFB5L

Operator: JC

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.92
75	30.00 - 66.00% of mass 95	47.48
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	82.28
175	4.00 - 9.00% of mass 174	5.87 (7.14)
176	93.00 - 101.00% of mass 174	79.87 (97.07)
177	5.00 - 9.00% of mass 176	5.30 (6.64)

Date : 13-MAY-2005 09:26

Client ID: BFB5L Instrument: v5.i

Sample Info: ,BFB5L,BFB5L

Operator: JC

Column phase: DB-624 Column diameter: 0.25

Data File: V5F9940.D
Spectrum: Avg, Scans 259-261 (5.59), Background Scan 250
Location of Maximum: 95.00
Number of points: 90

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	9777	64.00	2221	93.00	29232	141.00	5224
37.00	43000	65.00	648	94.00	77992	142.00	300
38.00	36728	67.00	2347	95.00	761792	143.00	4850
39.00	14192	68.00	87520	96.00	51816	146.00	934
40.00	510	69.00	84360	97.00	1442	147.00	192
43.00	1095	70.00	5677	104.00	2761	148.00	1333
44.00	3343	71.00	189	105.00	1043	149.00	193
45.00	8411	72.00	4025	106.00	2901	150.00	411
46.00	351	73.00	31712	107.00	782	153.00	167
47.00	11448	74.00	111984	111.00	178	154.00	206
48.00	5163	75.00	361664	115.00	529	155.00	1693
49.00	32664	76.00	30112	116.00	2171	157.00	1067
50.00	151744	77.00	5067	117.00	3626	159.00	560
51.00	46336	78.00	3894	118.00	2233	161.00	239
52.00	2010	79.00	20912	119.00	3197	172.00	848
55.00	2328	80.00	5289	124.00	205	174.00	626816
56.00	11152	81.00	20920	128.00	2351	175.00	44752
57.00	21832	82.00	4006	129.00	1085	176.00	608448
58.00	1187	86.00	561	130.00	2462	177.00	40384
60.00	7808	87.00	39672	131.00	912	178.00	1137
61.00	35336	88.00	35504	135.00	1081	207.00	176
62.00	32208	91.00	2320	137.00	1046		
63.00	24776	92.00	17384	140.00	171		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9940.D

Date : 13-MAY-2005 09:26

Client ID: BFB5L

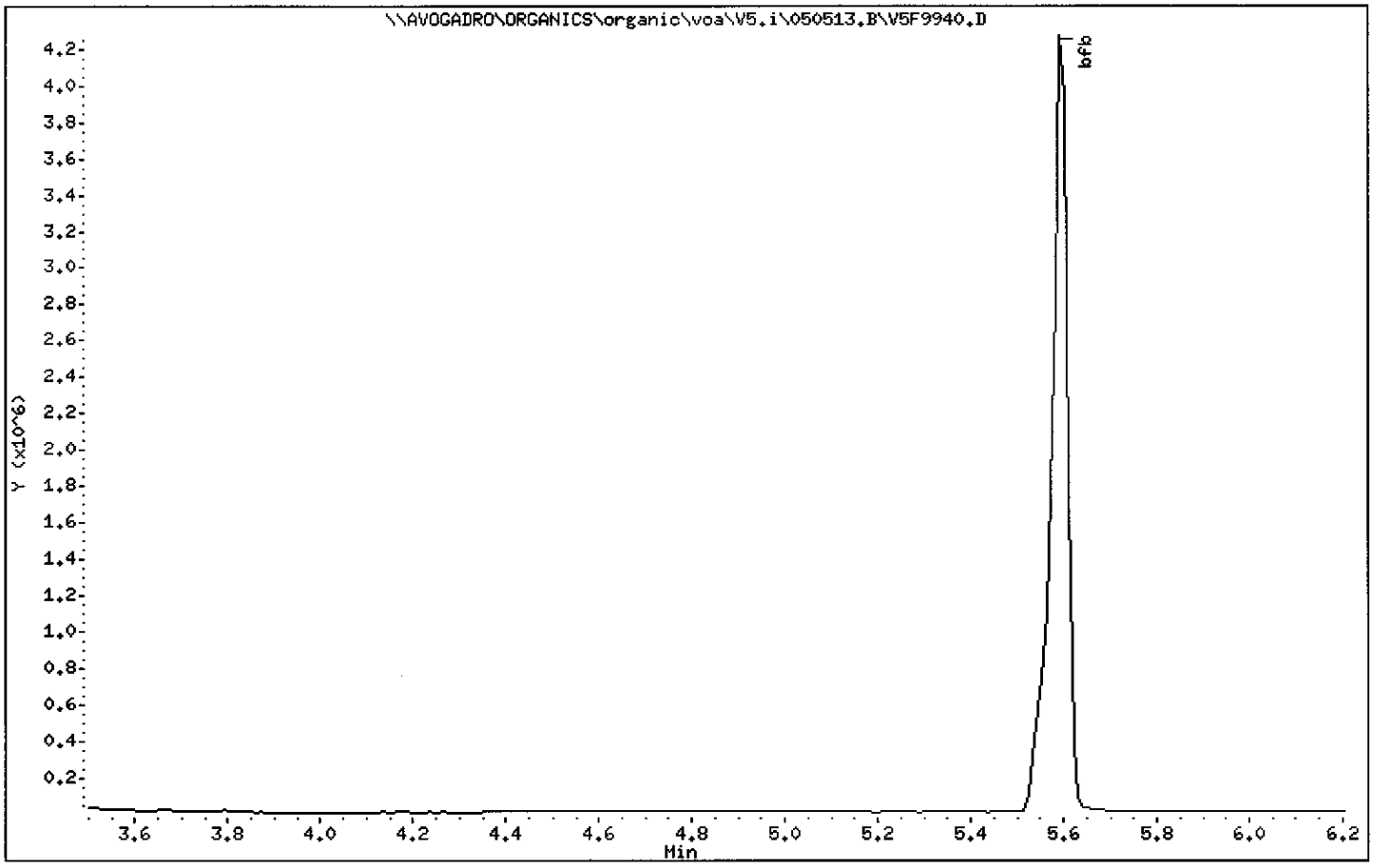
Instrument: v5.i

Sample Info: ,BFB5L,BFB5L

Operator: JC

Column phase: DB-624

Column diameter: 0.25



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: MB-18114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9942

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: MB-18114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9942

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: MB-18114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9942

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

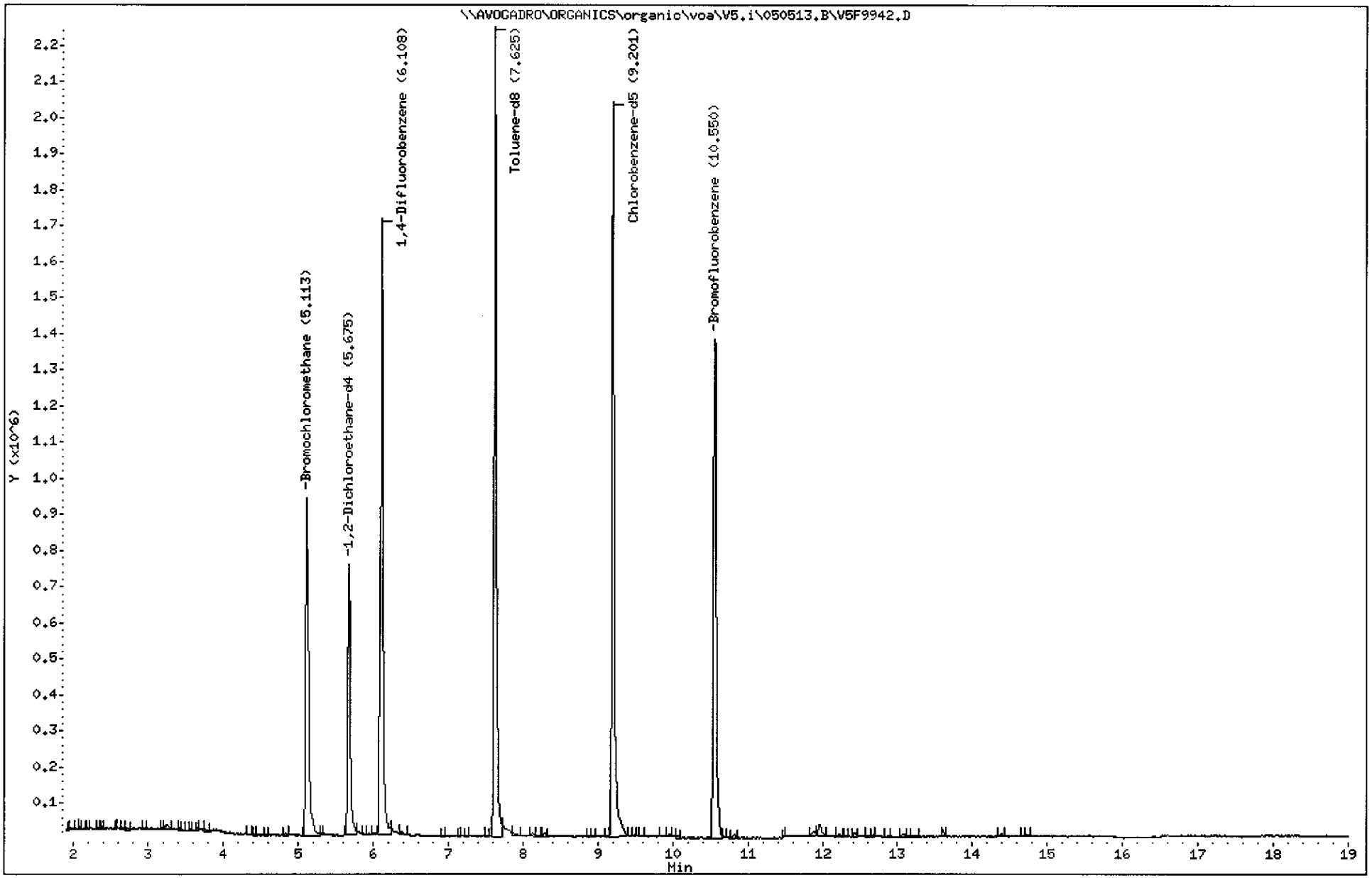
Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9942.D
Date : 13-MAY-2005 10:59
Client ID: VBLK5L
Instrument: v5.i
Sample Info: ,MB-18114,VBLK5L,18114
Operator: JC
Column phase: DB-624
Column diameter: 0.25



0120

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9942.D
Report Date: 31-May-2005 10:47

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9942.D
Lab Smp Id: MB-18114 Client Smp ID: VBLK5L
Inj Date : 13-MAY-2005 10:59
Operator : JC Inst ID: v5.i
Smp Info : ,MB-18114,VBLK5L,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 31-May-2005 10:42 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
* 18 Bromochloromethane	128	5.113	5.112	(1.000)	328905	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.675	5.674	(1.110)	702290	51.8683	52
* 26 1,4-Difluorobenzene	114	6.108	6.107	(1.000)	1640816	50.0000	
$ 33 Toluene-d8	98	7.625	7.624	(0.829)	1801929	51.0202	51
* 42 Chlorobenzene-d5	117	9.201	9.200	(1.000)	1457585	50.0000	
$ 50 Bromofluorobenzene	95	10.550	10.549	(1.147)	690577	47.7663	48

SB 5/31/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9942.D
Report Date: 31-May-2005 10:47

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file	: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9942.D		
Lab Smp Id	: MB-18114	Client Smp ID	: VBLK5L
Inj Date	: 13-MAY-2005 10:59		
Operator	: JC	Inst ID	: v5.i
Smp Info	: ,MB-18114,VBLK5L,18114		
Misc Info	:		
Comment	:		
Method	: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m		
Meth Date	: 31-May-2005 10:42 mtl	Quant Type	: ISTD
Cal Date	: 13-MAY-2005 10:09	Cal File	: V5F9941.D
Als bottle	: 2	QC Sample	: BLANK
Dil Factor	: 1.00000		
Integrator	: HP RTE	Compound Sublist	: CLP4.sub
Target Version	: 4.03		
Processing Host	: TARGET3		

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VHBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: VHBLK5L

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9950

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: VHBLK5L

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9950

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VHBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: VHBLK5L

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9950

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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22.					
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24.					
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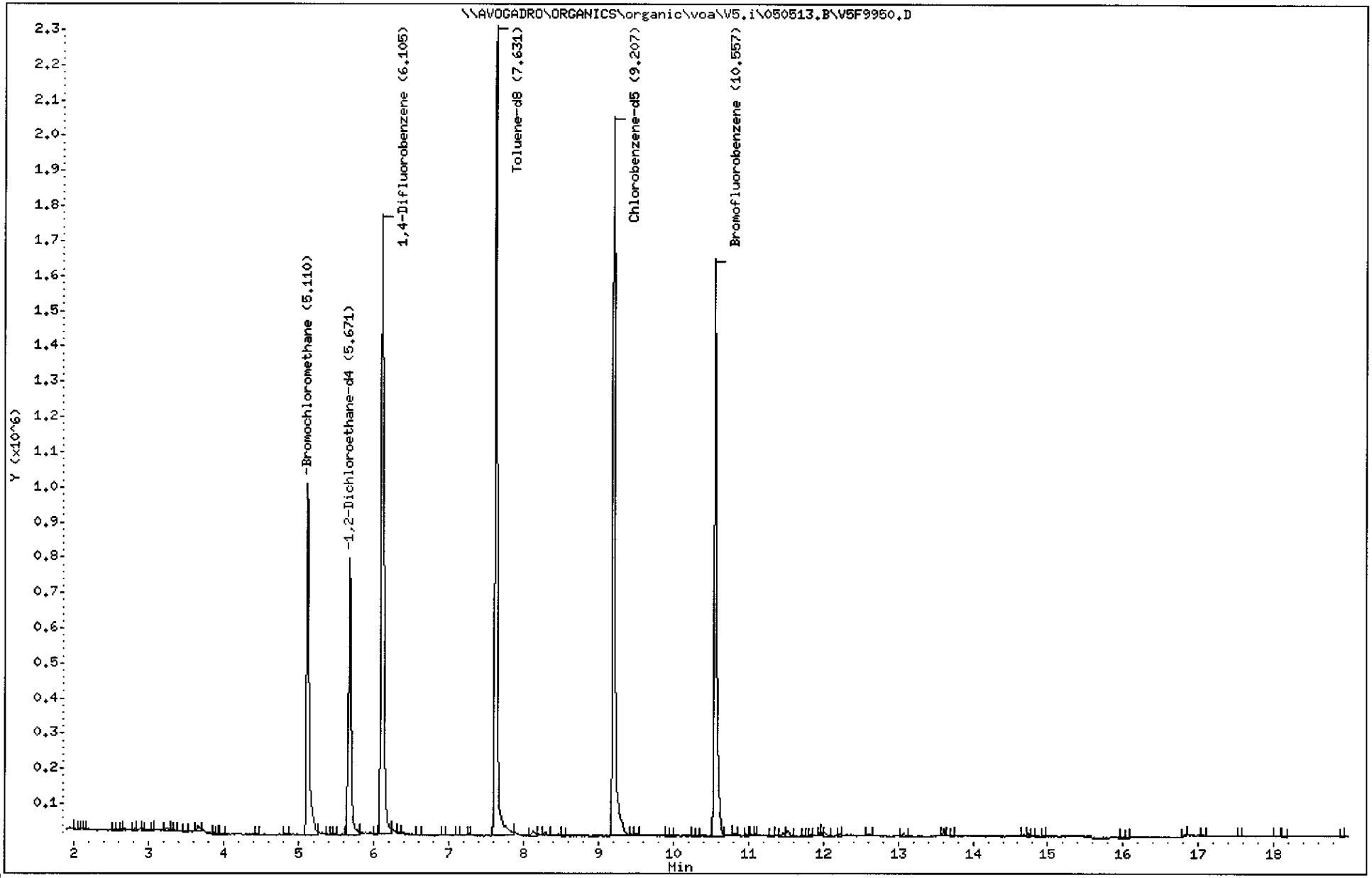
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9950.D
Date : 13-MAY-2005 15:14
Client ID: VHBLK5L
Instrument: v5.i
Sample Info: ,VHBLK5L,VHBLK5L
Purge Volume: 5.0
Operator: JC
Column phase: DB-624
Column diameter: 0.25



0126

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9950.D
Report Date: 31-May-2005 10:47

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9950.D
Lab Smp Id: VHBLK5L Client Smp ID: VHBLK5L
Inj Date : 13-MAY-2005 15:14
Operator : JC Inst ID: v5.i
Smp Info : ,VHBLK5L,VHBLK5L
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 31-May-2005 10:42 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D
Als bottle: 10 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 18 Bromochloromethane	128	5.110	5.112	(1.000)	371180	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.671	5.674	(1.110)	702399	45.9680	46
* 26 1,4-Difluorobenzene	114	6.104	6.107	(1.000)	1880620	50.0000	
$ 33 Toluene-d8	98	7.631	7.624	(0.829)	2011073	50.4714	50
* 42 Chlorobenzene-d5	117	9.207	9.200	(1.000)	1644453	50.0000	
$ 50 Bromofluorobenzene	95	10.557	10.549	(1.147)	774975	47.5127	48

SB 5/31/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9950.D
Report Date: 31-May-2005 10:47

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file :	\\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9950.D		
Lab Smp Id:	VHBLK5L	Client Smp ID:	VHBLK5L
Inj Date :	13-MAY-2005 15:14		
Operator :	JC	Inst ID:	v5.i
Smp Info :	,VHBLK5L,VHBLK5L		
Misc Info :			
Comment :			
Method :	\\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m		
Meth Date :	31-May-2005 10:42 mtl	Quant Type:	ISTD
Cal Date :	13-MAY-2005 10:09	Cal File:	V5F9941.D
Als bottle:	10	QC Sample:	STORAGEBLANK
Dil Factor:	1.00000		
Integrator:	HP RTE	Compound Sublist:	CLP4.sub
Target Version:	4.03		
Processing Host:	TARGET3		

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5LLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9943

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	56	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	57	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5LLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9943

Level: (low/med) LOW Date Received: _____

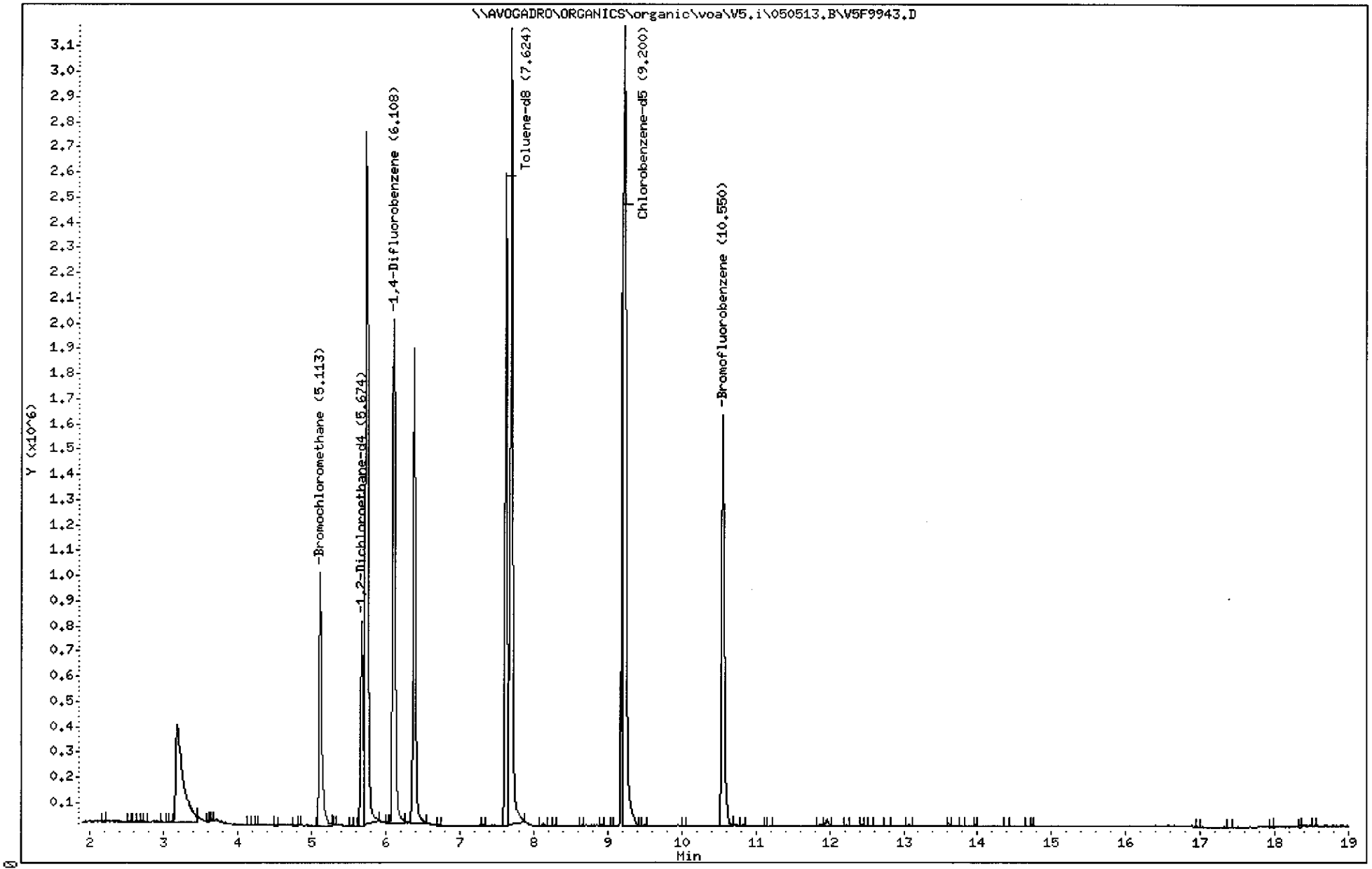
% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	56	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	56	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	58	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9943.D
Date : 13-MAY-2005 11:36
Client ID: V5LLCS
Instrument: v5.i
Sample Info: ,LCS-18114,V5LLCS,18114
Operator: JC
Column phase: DB-624
Column diameter: 0.25



0131

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9943.D
Report Date: 31-May-2005 10:47

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9943.D
Lab Smp Id: LCS-18114 Client Smp ID: V5LLCS
Inj Date : 13-MAY-2005 11:36
Operator : JC Inst ID: v5.i
Smp Info : ,LCS-18114,V5LLCS,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 31-May-2005 10:42 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
7	1,1-Dichloroethene ✓	96	3.182	3.182	(0.622)	512277	55.8502	56
* 18	Bromochloromethane	128	5.113	5.112	(1.000)	365739	50.0000	
$ 23	1,2-Dichloroethane-d4	65	5.674	5.674	(1.110)	719850	47.8109	48
25	Benzene ✓	78	5.733	5.733	(0.939)	2992569	56.5612	57
* 26	1,4-Difluorobenzene	114	6.108	6.107	(1.000)	1912671	50.0000	
27	Trichloroethene ✓	130	6.373	6.373	(1.044)	803380	56.2554	56
$ 33	Toluene-d8	98	7.624	7.624	(0.829)	2029072	49.8627	50
34	Toluene ✓	91	7.693	7.693	(0.836)	2764206	56.3415	56
* 42	Chlorobenzene-d5	117	9.200	9.200	(1.000)	1679425	50.0000	
43	Chlorobenzene ✓	112	9.230	9.229	(1.003)	1881348	57.5224	58
$ 50	Bromofluorobenzene	95	10.550	10.549	(1.147)	787899	47.2992	47

SB
5/31/05

MITKEM CORPORATION: Volatile Organics Low/Medium Level Soil Extraction Log

Date	Lab ID		Analysis	Initial Wt. (g)	Final Wt. (g)	Sample Wt. (g)	Extraction Volume (mL)	Sample Type	Solvent / Lot. #	Comments	Analyst
5-12-05	D0537	01C	8260	30.24	36.60	6.4	5ml	A	N/A		JC
		02C		30.41	35.95	5.5					
		03C		30.15	35.66	5.5					
		04C		30.34	35.36	5.0					
		05C		30.10	35.50	5.4					
		06C		30.52	35.91	5.4					
		07C		29.93	34.86	4.9					
		08C		30.33	36.45	6.1					
		09C		30.05	~~36.93~~ 35.93 5-12-05	5.9					
		10C		30.15	35.87	5.7					
		11C		31.01	35.70	4.7					
5-12-05	D0537	12C	8260	30.48	36.24	5.8	5ml	A	N/A		JC
5-13-05	D0523	01C	OLm	N/A	N/A	5.1	5ml	E	H_2O/N/A		JC
		02A				1.0				Strong Petroleum odor	
		03A				5.0					
5-13-05	D0523	04A	OLm	N/A	N/A	5.0	5ml	E	H_2O/N/A		JC

Sample Type: A. MeOH Pre-preserved; B. DI H2O/Freeze; C. NaHSO4 Pre-preserved; D. Encore; E. Unpreserved Jars

Logbook ID: 90.0189-03/05

Reviewed By: (SB) 5/19/05

Percent Moisture and Percent Solids Report

Mitkem Sample ID	*Client Sample ID*	*Analyzed*	*Percent Moisture*	*Percent Solids*	*Validated*
D0523-01A	*B-1 (9.0')*	05/17/2005	10	90	Yes
D0523-02A	*B-4 (4.0')*	05/24/2005	18	82	Yes
D0523-03A	*B-6 (5.0')*	05/24/2005	22	78	Yes
D0523-04A	*B-7 (14.0')*	05/24/2005	14	86	Yes

DATE: 4-13-05

INSTRUMENT V5
INJECTION LOG

MITKEM CORPORATION
VOLATILES LABORATORY

METHOD: V5CLP4H
CAL ID: VW050314A-IS
IS/SS ID: VW050314B-SS
VW050405C-STD
ANALYST: JC
INITIAL CAL: 4-13-05
ARCHIVE:
COMMENTS:

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V5F94	75	BFB52	BFB52	2ml	—	Passed 10:45			
		76	VSTD0505Z	VSTD0505Z	5ml	—				
		77	VSTD010Z	VSTD010Z		—	Used for			
		78	VSTD200Z	VSTD200Z		—	OLM 4.3 low Lvl			
		79	VSTD100Z	VSTD100Z		—				
	V5F94	80	VSTD020Z	VSTD020Z	5ml	—				

N/A
4-13-05

COPY
Original Documents Are Included in CSF
Signed: _____ Date: _____

Logbook ID 90.0199-03/05

Reviewed By: JD 4/29/05

0135

DATE: 5-13-05

INSTRUMENT V5
INJECTION LOG

MITKEM CORPORATION
VOLATILES LABORATORY

METHOD: ~~V8260~~ V5CLP4H
INITIAL CAL: 4-13-05
COMMENTS:

CAL ID: VW050512B-IS
IS/SS ID: VW050512C-SS
VW050512A-STD

ANALYST: JC
ARCHIVE:

AS #	FILE		MITKEM ID		CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V5F99	40	BFB5L		BFB5L	2ml	-	passed 9:26			
		41	VSTD0505L		VSTD0505L	5ml	-	OK			
		42	MB-18114		VBLK5L	5ml	-	OK	✓	✓	
		43	LCS-18114		V5LLCS	5ml	-	OK	✓	✓	
		44	D0523	01C	B-190	5.1g	-	OK	✓	✓	
		45	↓	03D	B-650	5.0g	-	OK	✓	✓	
		46	↓	04A	B-7140	5.0g	-	OK	✓	✓	
		47	D0523	02A	B-440	1.0g	-	OK Tics↑	✓	✓	
		48	VHBLK5L		VHBLK5L	5ml	-		✓	✓	
		49	VHBLK5L		VHBLK5L	5ml	-	OK	✓	✓	
		50	VHBLK5L		VHBLK5L	5ml	-	OK	✓	✓	
		51	D0529	01C	B-390		-	PLE 1031 rr m.L.	✓	✓	
		52	↓	01Cms	B-390MS		-	PLE 1198 rr m.L.	✓	✓	
		53	↓	01CmsD	B-390MSD		-	PLE 1274 rr m.L.	✓	✓	
		54	D0529	02A	B-330	1.0g	-	TLE 1134 rr m.L. Tics↑	✓	✓ 17	
		55	VHBLK5M		VHBLK5M	5ml	-	not used	✓	XX ✓	
		56					-		✓	✓	
		57					-		✓	✓	
		58					-		✓	✓	
	↓	59	↓		↓	↓	-	↓	✓	✓	
	V5F99	60	VHBLK5M		VHBLK5M	5ml	-	2013Y	✓	✓	

N/A
E16.05

Logbook ID 90.0199-03/05

Reviewed By: SB 5/31/05

0136

MITKEM CORPORATION: VOLATILES RECEIVING LOGBOOK

VOA Log-In Date	Workorder	Client	Sample Numbers	Relinquished By	Refrigerator ID	Comments
5/4/05	D0516	TRC	01, 02, 06, 07	SB	F4	FREEZE H_2O
↓	D0516	TRC	01 - 07	SB	R4	MeOH
↓	D0515	TRC	01, 02, 06 - 16, 18-21, 23	SB	~~R10~~ F10	FREEZE H_2O
↓	D0515	TRC	01, 02, 06 - 16, 18-21, 23	SB	R10	MeOH
5/4/05	D0504	ENSAFE	15 - 20	SB	R10	
5/4/05	D0519	EARTHTech	01 - 03	JH	R-10	H
5/5/05	D0522	ENSAFE	01 - 06	SB	R10	
↓	D0520	Maguire	01 - 02	↓	R10	1 week TAT
↓	D0523	DAY	01 - 04	↓	R10	SOIL JARS
↓	D0495	Berger	04 - 20	↓	R4	
5/5/05	D0521	Berger	01 - 18	SB	R4	
5-5-05	D0526	RIRRC	01 - 05	JC	R4	
5-5-05	D0516	TRC	08 - 14	JC	R4	
5-6-05	D0522	EnSafe	07 - 11	JH	R-4	
5/6/05	D0528	Shaw - HopKinton	01 - 02	JH	R-4	

MITKEM CORPORATION

* Semivolatile Organics *

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK1X	65	66	97	61	61	69	61	54	0
02	S1XLCS	63	72	96	58	64	73	61	54	0
03	B-190	65	62	83	65	57	67	60	50	0
04										
05										
06										
07										
08										
09										
10										
11										
12										
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23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix Spike - Sample No.: S1XLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Phenol	2500		1600	64	26- 90
2-Chlorophenol	2500		1600	64	25-102
N-Nitroso-di-n-prop.(1)	1700		900	53	41-126
4-Chloro-3-Methylphenol	2500		1700	68	26-103
Acenaphthene	1700		1300	76	31-137
4-Nitrophenol	2500		1900	76	11-114
2,4-Dinitrotoluene	1700		1200	71	28- 89
Pentachlorophenol	2500		1600	64	17-109
Pyrene	1700		1700	100	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 9 outside limits

COMMENTS: _____

FORM III SV

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK1X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Lab File ID: S1E4510 Lab Sample ID: MB-18109

Instrument ID: S1 Date Extracted: 05/13/05

Matrix: (soil/water) SOIL Date Analyzed: 05/25/05

Level: (low/med) LOW Time Analyzed: 1104

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S1XLCS	LCS-18109	S1E4511	05/25/05
02	B-190	D0523-01A	S1E4514	05/25/05
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
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21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Lab File ID: S1E4486 DFTPP Injection Date: 05/19/05

Instrument ID: S1 DFTPP Injection Time: 1258

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	40.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	56.3
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	25.0 - 75.0% of mass 198	38.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	23.3
365	Greater than 0.75% of mass 198	3.75
441	Present, but less than mass 443	14.5
442	40.0 - 110.0% of mass 198	87.4
443	15.0 - 24.0% of mass 442	16.8 (19.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0501V	SSTD0501V	S1E4487	05/19/05	1315
02	SSTD1601V	SSTD1601V	S1E4488	05/19/05	1346
03	SSTD0201V	SSTD0201V	S1E4489	05/19/05	1418
04	SSTD0801V	SSTD0801V	S1E4490	05/19/05	1449
05	SSTD1201V	SSTD1201V	S1E4491	05/19/05	1520
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Lab File ID: S1E4505A DFTPP Injection Date: 05/25/05

Instrument ID: S1 DFTPP Injection Time: 0836

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	47.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	64.1
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	25.0 - 75.0% of mass 198	42.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	23.9
365	Greater than 0.75% of mass 198	4.18
441	Present, but less than mass 443	15.2
442	40.0 - 110.0% of mass 198	95.4
443	15.0 - 24.0% of mass 442	18.0 (18.9)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0501W	SSTD0501W	S1E4506	05/25/05	0853
02	SBLK1X	MB-18109	S1E4510	05/25/05	1104
03	S1XLCS	LCS-18109	S1E4511	05/25/05	1136
04	B-190	D0523-01A	S1E4514	05/25/05	1343
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

EPA Sample No. (SSTD050##): SSTD0501W Date Analyzed: 05/25/05

Lab File ID (Standard): S1E4506 Time Analyzed: 0853

Instrument ID: S1 GC Column: DB-5MS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	297131	5.52	1124444	7.44	619103	10.22
	UPPER LIMIT	594262	6.02	2248888	7.94	1238206	10.72
	LOWER LIMIT	148566	5.02	562222	6.94	309552	9.72
	EPA SAMPLE NO.						
01	SBLK1X	329414	5.52	1105742	7.44	571539	10.22
02	S1XLCS	324831	5.52	1105487	7.44	522000	10.22
03	B-190	337753	5.52	1156515	7.44	591852	10.22
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

EPA Sample No. (SSTD050##): SSTD0501W Date Analyzed: 05/25/05

Lab File ID (Standard): S1E4506 Time Analyzed: 0853

Instrument ID: S1 GC Column: DB-5MS ID: 0.25 (mm)

	EPA SAMPLE NO.	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1018707	12.60	1266448	16.86	973706	18.99
	UPPER LIMIT	2037414	13.10	2532896	17.36	1947412	19.49
	LOWER LIMIT	509354	12.10	633224	16.36	486853	18.49
01	SBLK1X	901246	12.59	829293	16.85	888495	18.98
02	S1XLCS	771615	12.60	654829	16.85	684521	18.98
03	B-190	854448	12.60	887723	16.85	785161	18.98
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-190

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4514

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)Ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	370	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	370	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-190

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4514

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	38	J
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	99	J
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

B-190

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4514

Level: (low/med) LOW Date Received: 05/05/05

% Moisture: 10 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

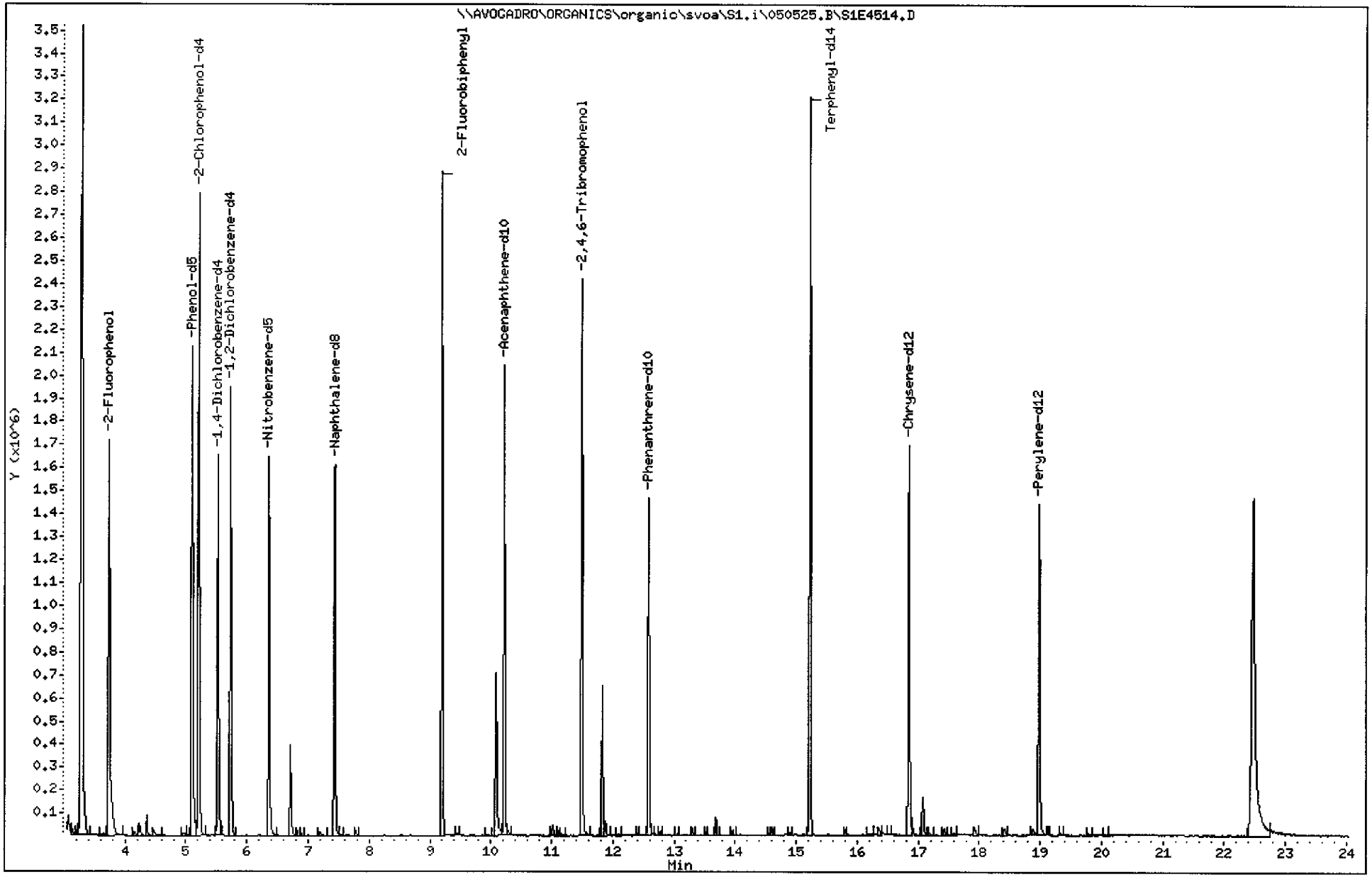
GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	11.82	270	J
2.		UNKNOWN	22.48	1900	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4514.D
Date : 25-MAY-2005 13:43
Client ID: B-190
Instrument: S1.i
Sample Info: D0523-01A,,18109,,
Volume Injected (uL): 2.0
Operator: AW SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1E4514.D
Report Date: 26-May-2005 15:53

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4514.D
Lab Smp Id: D0523-01A Client Smp ID: B-190
Inj Date : 25-MAY-2005 13:43
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0523-01A,,18109,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	10.000	% Moisture

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$	1 2-Fluorophenol	112	3.747	3.726	(0.679)	796864	86.0623	1600
$	3 Phenol-d5	99	5.109	5.098	(0.926)	1010013	97.2917	1800
$	6 2-Chlorophenol-d4	132	5.206	5.206	(0.943)	997273	89.4107	1700
*	8 1,4-Dichlorobenzene-d4	152	5.519	5.520	(1.000)	337753	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.735	5.736	(1.039)	395348	49.9526	930
$	16 Nitrobenzene-d5	82	6.362	6.373	(0.855)	650196	65.4610	1200
*	23 Naphthalene-d8	136	7.442	7.443	(1.000)	1156515	40.0000	
$	33 2-Fluorobiphenyl	172	9.192	9.204	(0.900)	1119314	61.7503	1100
*	41 Acenaphthene-d10	164	10.219	10.219	(1.000)	591852	40.0000	
$	53 2,4,6-Tribromophenol	330	11.494	11.505	(0.913)	457036	100.204	1900
*	58 Phenanthrene-d10	188	12.596	12.596	(1.000)	854448	40.0000	
	62 Di-n-butylphthalate	149	13.687	13.698	(1.087)	60883	2.07276	38(a)
$	65 Terphenyl-d14	244	15.232	15.232	(0.904)	1393726	83.4928	1500

Data File: S1E4514.D
Report Date: 26-May-2005 15:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
* 69 Chrysene-d12	240	16.852	16.863	(1.000)	887723	40.0000	
71 bis(2-Ethylhexyl)phthalate	149	17.079	17.079	(1.013)	88551	5.35968	99(a)
* 76 Perylene-d12	264	18.980	18.992	(1.000)	785161	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: S1E4514.D
Report Date: 26-May-2005 15:53

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4514.D
Lab Smp Id: D0523-01A Client Smp ID: B-190
Inj Date : 25-MAY-2005 13:43
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0523-01A,,18109,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	10.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 41 Acenaphthene-d10	10.219	2717423	40.000
* 58 Phenanthrene-d10	12.596	2418093	40.000
* 76 Perylene-d12	18.980	2313151	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Cyclic Alkane				CAS #:			
10.089	1138464	16.7579946	310	0		0	41

Data File: S1E4514.D
Report Date: 26-May-2005 15:53

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
Unknown				CAS #:			
11.818	871730	14.4201236	270	0		0	58
Unknown				CAS #:			
22.481	6037034	104.394983	1900	0		0	76

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4514.D

Date : 25-MAY-2005 13:43

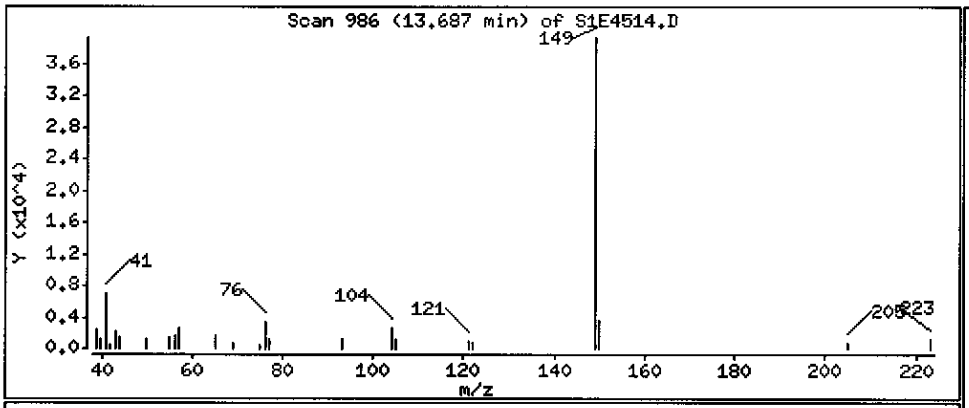
Client ID: B-190 Instrument: S1.i

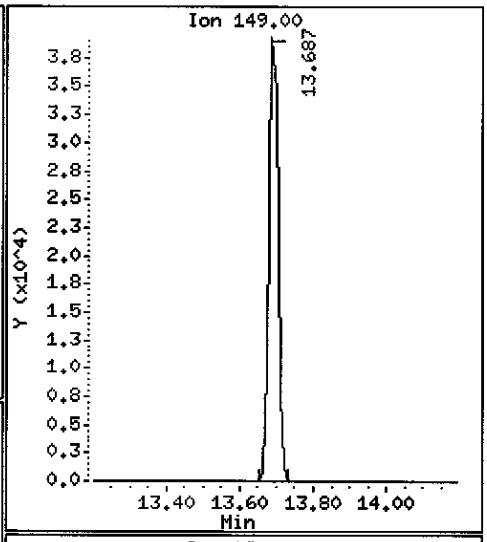
Sample Info: D0523-01A,,18109,,

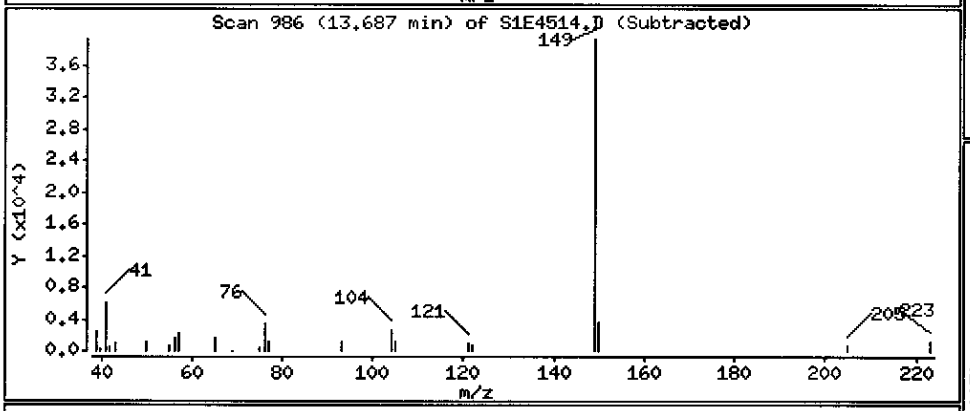
Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

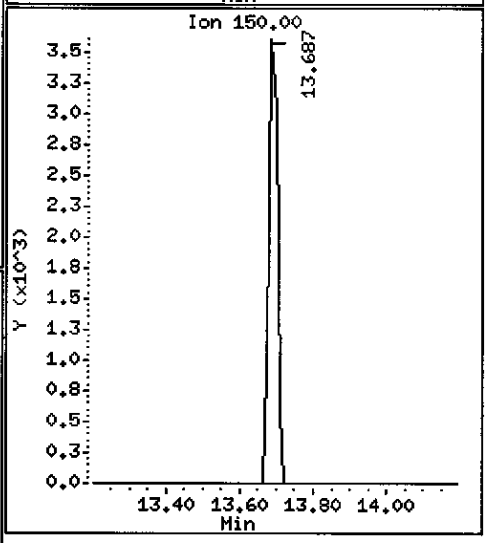
Column phase: DB-5MS Column diameter: 0.25

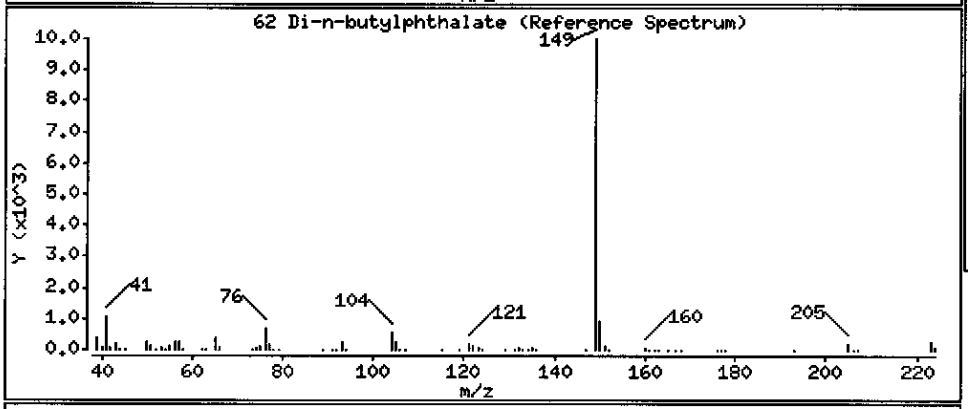
62 Di-n-butylphthalate Concentration: 38 ug/Kg

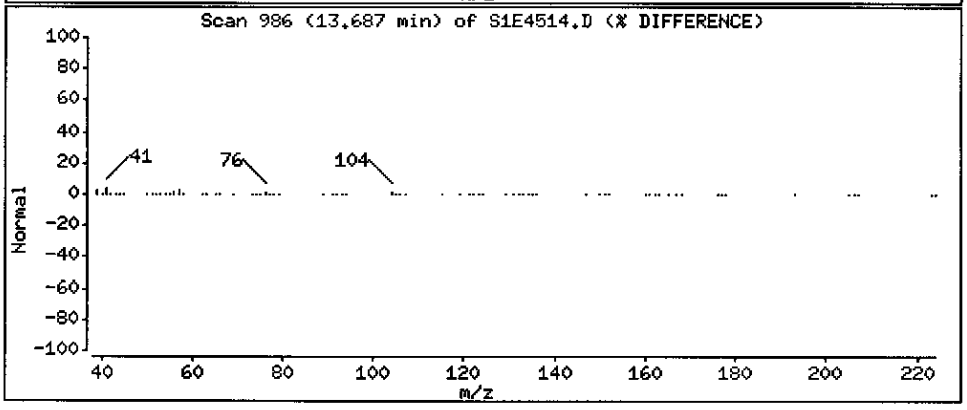












Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4514.D

Date : 25-MAY-2005 13:43

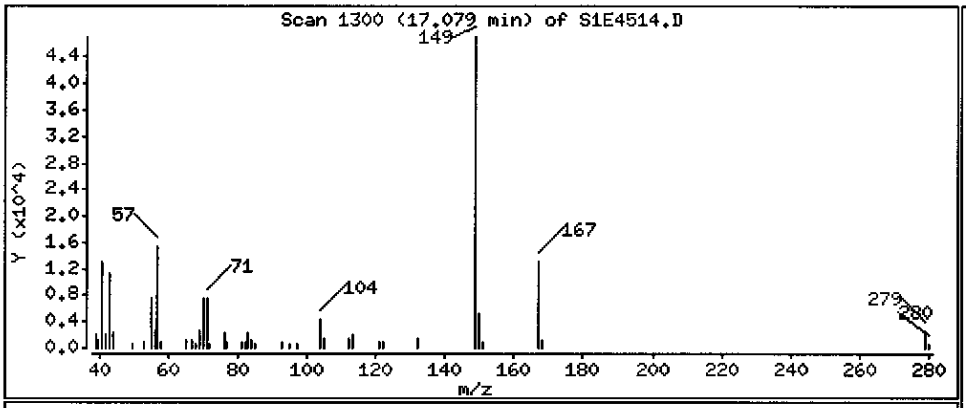
Client ID: B-190 Instrument: S1.i

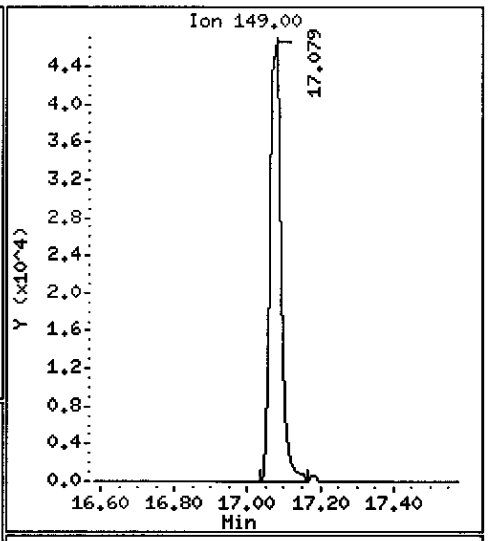
Sample Info: D0523-01A,,18109,,

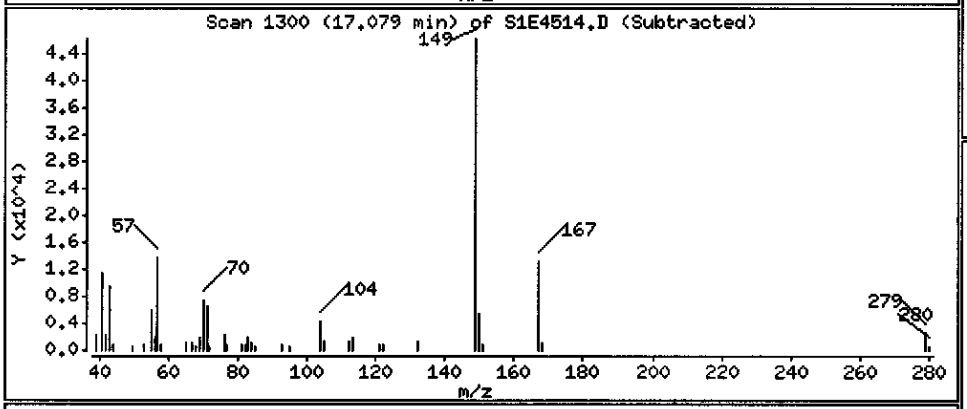
Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

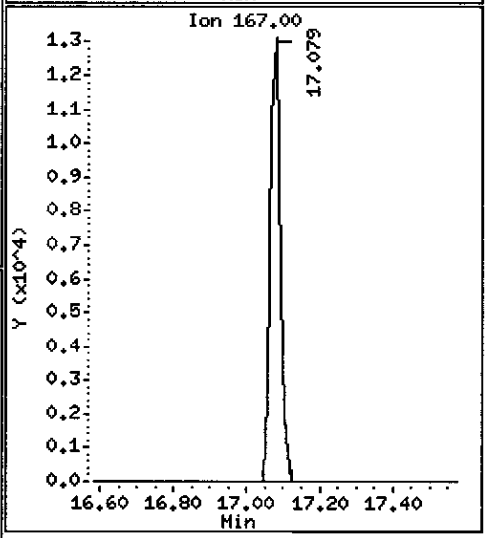
Column phase: DB-5MS Column diameter: 0.25

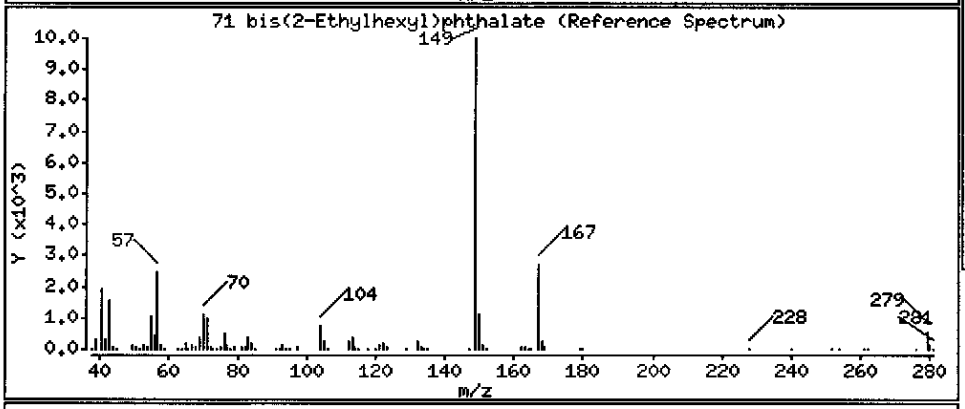
71 bis(2-Ethylhexyl)phthalate Concentration: 99 ug/Kg

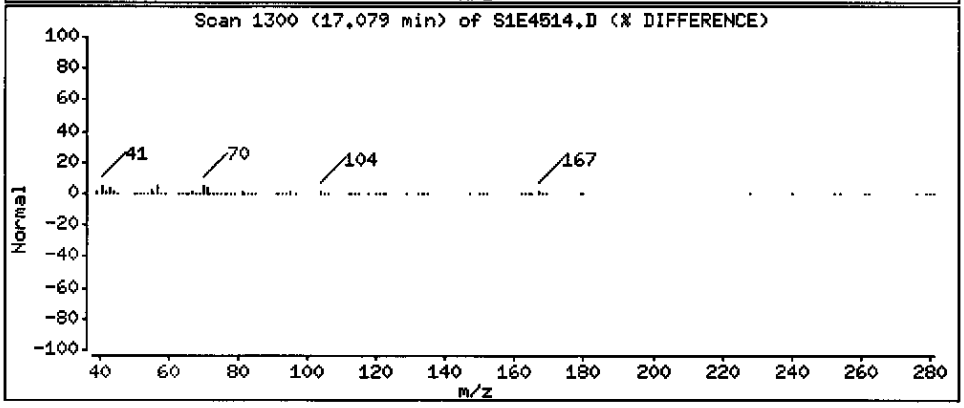












Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4514.D

Date : 25-MAY-2005 13:43

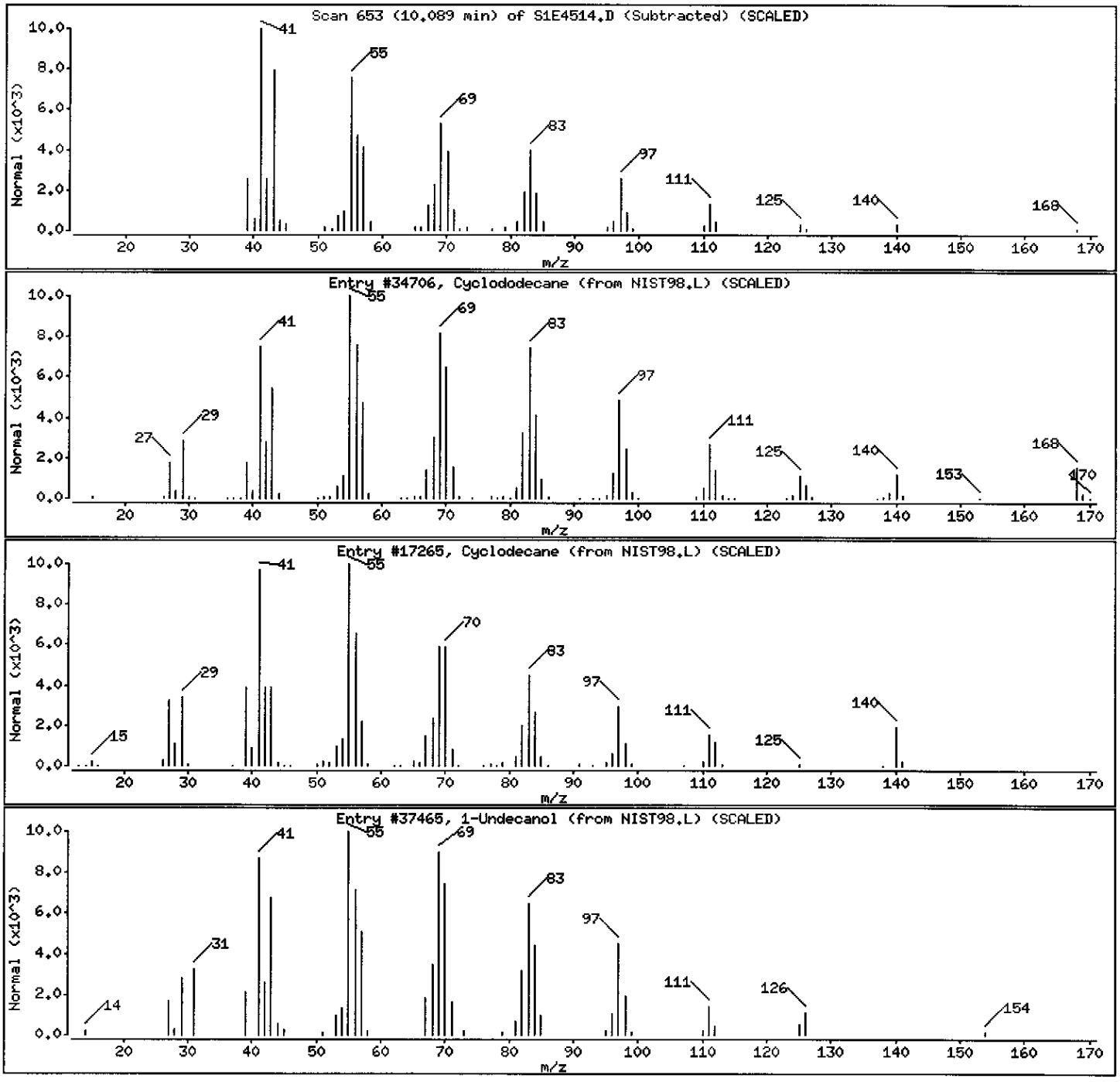
Client ID: B-190 Instrument: S1.i

Sample Info: D0523-01A,,18109,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclic Alkane						
Cyclododecane	294-62-2	NIST98.L	34706	93	C12H24	168
Cyclodecane	293-96-9	NIST98.L	17265	91	C10H20	140
1-Undecanol	112-42-5	NIST98.L	37465	90	C11H240	172



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Date : 25-MAY-2005 13:43

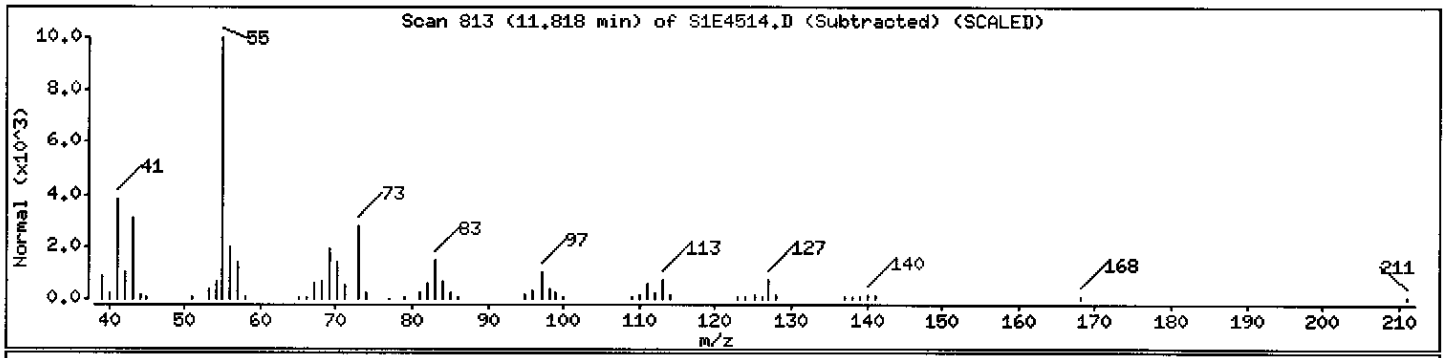
Client ID: B-190 Instrument: S1.i

Sample Info: D0523-01A,,18109,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 25-MAY-2005 13:43

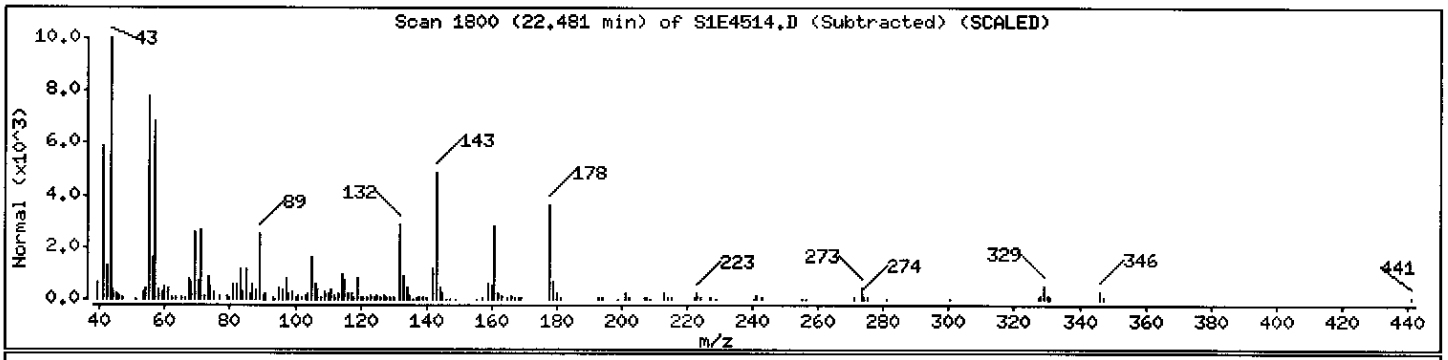
Client ID: B-190 Instrument: S1.i

Sample Info: D0523-01A,,18109,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Instrument ID: S1 Calibration Date(s): 05/19/05 05/19/05

Calibration Times: 1315 1520

LAB FILE ID: RRF20 = S1E4489 RRF50 = S1E4487
RRF80 = S1E4490 RRF120= S1E4491 RRF160= S1E4488

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Benzaldehyde		0.532	0.614	0.559	0.522	0.284	0.502	25.3
Phenol	*	1.105	1.035	1.153	1.053	1.086	1.086	4.2*
bis(2-Chloroethyl)Ether	*	0.855	0.739	0.989	0.961	1.072	0.923	14.0*
2-Chlorophenol	*	1.190	1.114	1.213	1.118	1.166	1.160	3.8*
2-Methylphenol	*	0.778	0.767	0.872	0.767	0.834	0.804	5.9*
2,2'-oxybis(1-Chloropropane)		1.116	1.171	1.315	1.221	1.438	1.252	10.2
Acetophenone		1.264	1.239	1.357	1.309	1.327	1.299	3.7
4-Methylphenol	*	0.832	0.839	0.896	0.830	1.000	0.879	8.3*
N-Nitroso-di-n-propylamine	*	0.678	0.752	0.701	0.578	0.638	0.669	9.8*
Hexachloroethane	*	0.591	0.542	0.641	0.565	0.609	0.590	6.5*
Nitrobenzene	*	0.355	0.313	0.371	0.343	0.339	0.344	6.2*
Isophorone	*	0.560	0.517	0.634	0.576	0.585	0.574	7.3*
2-Nitrophenol	*	0.237	0.206	0.236	0.231	0.224	0.227	5.6*
2,4-Dimethylphenol	*	0.161	0.235	0.225	0.216	0.198	0.207	14.0*
bis(2-Chloroethoxy)methane	*	0.344	0.285	0.317	0.323	0.340	0.322	7.3*
2,4-Dichlorophenol	*	0.360	0.292	0.382	0.353	0.366	0.351	9.8*
Naphthalene	*	0.881	0.822	0.984	0.873	1.007	0.913	8.6*
4-Chloroaniline		0.356	0.294	0.276	0.283	0.167	0.275	24.9
Hexachlorobutadiene		0.265	0.222	0.285	0.265	0.267	0.261	9.0
Caprolactam		0.094	0.088	0.075	0.082	0.076	0.083	9.9
4-Chloro-3-Methylphenol	*	0.268	0.244	0.293	0.265	0.244	0.263	7.7*
2-Methylnaphthalene	*	0.680	0.514	0.677	0.642	0.688	0.640	11.4*
Hexachlorocyclopentadiene		0.255	0.481	0.422	0.411	0.435	0.401	21.5
2,4,6-Trichlorophenol	*	0.400	0.504	0.469	0.425	0.419	0.443	9.5*
2,4,5-Trichlorophenol	*		0.579	0.561	0.453	0.419	0.503	15.7*
1,1'-Biphenyl		1.382	1.448	1.628	1.499	1.433	1.478	6.3
2-Chloronaphthalene	*	1.172	1.135	1.336	1.129	1.091	1.173	8.2*
2-Nitroaniline			0.329	0.364	0.311	0.332	0.334	6.6
Dimethylphthalate		1.358	1.270	1.610	1.390	1.381	1.402	9.0
2,6-Dinitrotoluene	*	0.342	0.314	0.378	0.328	0.324	0.337	7.4*
Acenaphthylene	*	1.600	1.583	1.797	1.654	1.745	1.676	5.5*
3-Nitroaniline			0.292	0.348	0.297	0.293	0.308	8.8
Acenaphthene	*	0.997	1.014	1.212	1.081	1.120	1.085	8.0*
2,4-Dinitrophenol			0.232	0.316	0.259	0.268	0.269	13.0
4-Nitrophenol			0.186	0.238	0.208	0.204	0.209	10.5
Dibenzofuran	*	1.574	1.648	1.979	1.609	1.769	1.716	9.6*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6D

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Instrument ID: S1 Calibration Date(s): 05/19/05 05/19/05

Calibration Times: 1315 1520

LAB FILE ID: RRF20 = S1E4489 RRF50 = S1E4487
RRF80 = S1E4490 RRF120= S1E4491 RRF160= S1E4488

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
2,4-Dinitrotoluene	*	0.447	0.437	0.532	0.469	0.439	0.465	8.5*
Diethylphthalate		1.436	1.459	1.647	1.445	1.322	1.462	8.0
Fluorene	*	1.240	1.176	1.537	1.242	1.318	1.303	10.8*
4-Chlorophenyl-phenylether	*	0.669	0.617	0.722	0.686	0.640	0.667	6.1*
4-Nitroaniline			0.283	0.278	0.222	0.146	0.232	27.4
4,6-Dinitro-2-methylphenol			0.168	0.212	0.182	0.211	0.193	11.2
N-Nitrosodiphenylamine (1)		0.533	0.488	0.593	0.545	0.544	0.541	6.9
4-Bromophenyl-phenylether	*	0.266	0.240	0.288	0.254	0.281	0.266	7.3*
Hexachlorobenzene	*	0.316	0.294	0.350	0.324	0.334	0.324	6.4*
Atrazine		0.202	0.207	0.242	0.210	0.200	0.212	8.0
Pentachlorophenol	*		0.137	0.181	0.169	0.182	0.167	12.7*
Phenanthrene	*	1.144	0.969	1.248	1.108	1.122	1.118	8.9*
Anthracene	*	1.062	0.953	1.193	1.034	1.023	1.053	8.4*
Carbazole		0.968	0.764	1.002	0.884	0.922	0.908	10.1
Di-n-butylphthalate		1.514	1.385	1.605	1.414	1.450	1.474	5.9
Fluoranthene	*	1.199	1.067	1.330	1.140	1.170	1.181	8.2*
Pyrene	*	1.237	1.207	1.424	1.255	1.306	1.286	6.6*
Butylbenzylphthalate		0.614	0.564	0.695	0.646	0.685	0.641	8.3
3,3'-Dichlorobenzidine		0.292	0.316	0.346	0.318	0.239	0.302	13.2
Benzo(a)anthracene	*	1.246	1.093	1.360	1.210	1.275	1.237	7.9*
Chrysene	*	0.990	1.013	1.190	1.139	1.278	1.122	10.8*
bis(2-Ethylhexyl)phthalate		0.877	0.820	0.925	0.857	0.851	0.866	4.5
Di-n-octylphthalate		1.582	1.477	1.931	1.593	1.640	1.645	10.4
Benzo(b)fluoranthene	*	1.405	1.324	1.843	1.695	1.953	1.644	16.6*
Benzo(k)fluoranthene	*	1.431	1.271	1.446	1.695	1.953	1.559	17.2*
Benzo(a)pyrene	*	1.294	1.110	1.334	1.189	1.192	1.224	7.4*
Indeno(1,2,3-cd)pyrene	*	1.552	1.407	1.848	1.545	1.562	1.583	10.2*
Dibenzo(a,h)anthracene	*	1.272	1.163	1.477	1.221	1.275	1.282	9.2*
Benzo(g,h,i)perylene	*	1.317	1.197	1.534	1.234	1.254	1.307	10.2*
Nitrobenzene-d5	*	0.415	0.347	0.409	0.383	0.397	0.390	7.0*
2-Fluorobiphenyl	*	1.357	1.611	1.676	1.430	1.481	1.511	8.6*
Terphenyl-d14	*	0.950	0.839	1.036	0.983	1.021	0.966	8.1*
Phenol-d5	*	1.142	1.084	1.217	1.110	1.184	1.147	4.7*
2-Fluorophenol	*	1.420	1.116	1.175	1.053	1.132	1.179	12.0*
2,4,6-Tribromophenol		0.195	0.195	0.253	0.209	0.224	0.215	11.2
2-Chlorophenol-d4	*	1.378	1.152	1.364	1.257	1.343	1.299	7.3*
1,2-Dichlorobenzene-d4	*	0.976	0.859	1.036	0.907	0.931	0.942	7.1*

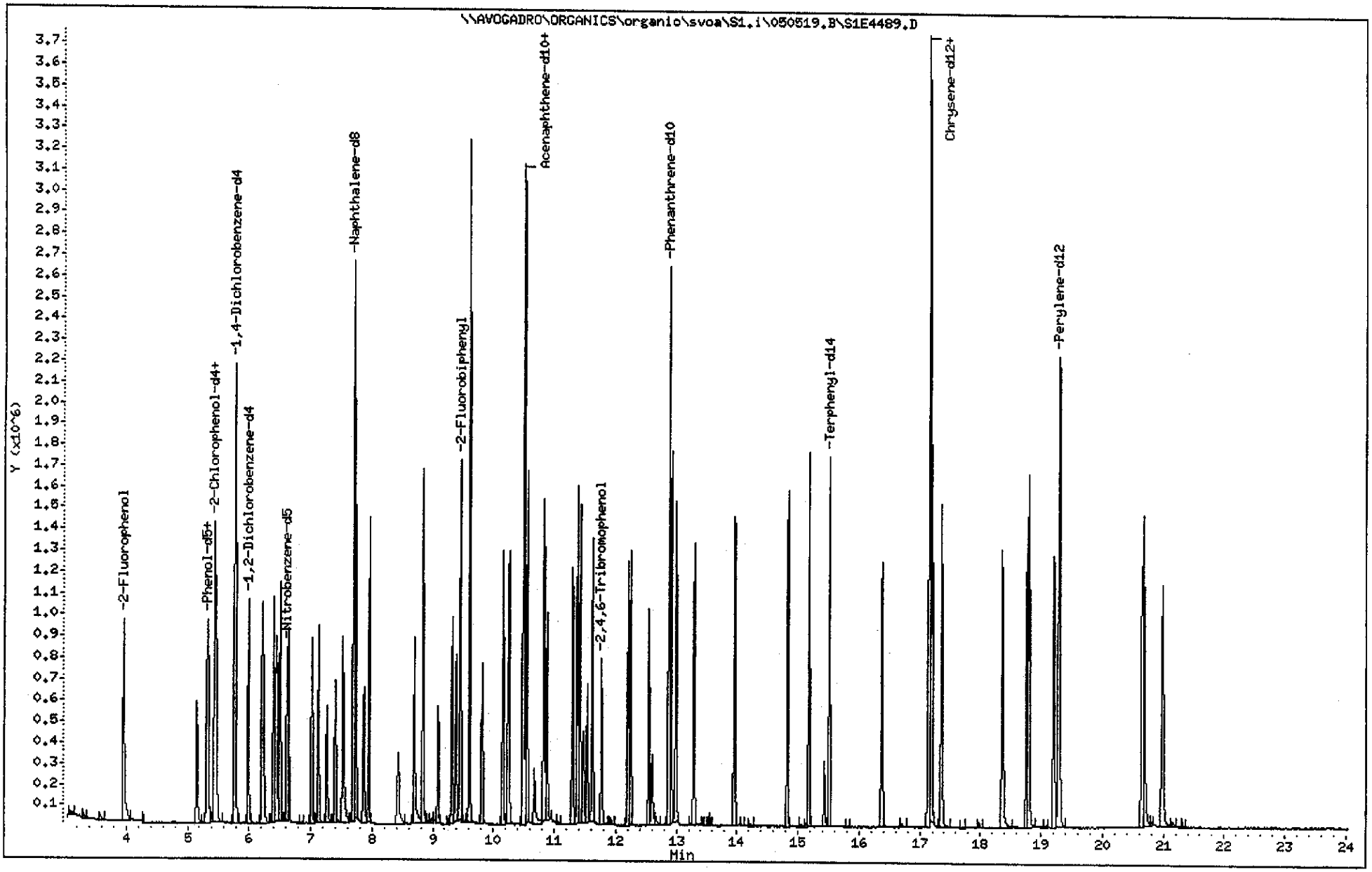
(1) Cannot be separated from Diphenylamine
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4489.D
Date : 19-MAY-2005 14:18
Client ID: SSTD0201V
Sample Info: SSTD0201V,SSTD0201V

Instrument: S1.i

Operator: KC SRC: KC
Column diameter: 0.25

Column phase: DB-5MS



Data File: S1E4489.D
Report Date: 19-May-2005 15:15

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4489.D
Lab Smp Id: SSTD0201V Client Smp ID: SSTD0201V
Inj Date : 19-MAY-2005 14:18
Operator : KC SRC: KC Inst ID: S1.i
Smp Info : SSTD0201V,SSTD0201V
Misc Info : 3,,DFTPP,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\s1_olm4_2_S.m
Meth Date : 19-May-2005 15:15 mtl Quant Type: ISTD
Cal Date : 19-MAY-2005 13:15 Cal File: S1E4487.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	1 2-Fluorophenol	112	3.952	3.953	(0.684)	388218	20.0000	23
	2 Benzaldehyde	77	5.152	5.163	(0.892)	145397	20.0000	22
$	3 Phenol-d5	99	5.314	5.314	(0.920)	312393	20.0000	20
	4 Phenol	94	5.324	5.336	(0.921)	302086	20.0000	21
	5 bis(2-Chloroethyl)Ether	93	5.432	5.444	(0.940)	233833	20.0000	19
$	6 2-Chlorophenol-d4	132	5.443	5.455	(0.942)	376884	20.0000	21
	7 2-Chlorophenol	128	5.465	5.476	(0.946)	325456	20.0000	21
*	8 1,4-Dichlorobenzene-d4	152	5.778	5.779	(1.000)	546907	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.994	5.995	(1.037)	266765	20.0000	21
	10 2-Methylphenol	108	6.210	6.211	(1.075)	212758	20.0000	20
	11 2,2'-oxybis(1-Chloropropane)	45	6.232	6.244	(1.079)	305124	20.0000	18
	12 Acetophenone	105	6.405	6.416	(1.108)	345623	20.0000	20
	13 4-Methylphenol	108	6.448	6.470	(1.116)	227386	20.0000	19
	14 N-Nitroso-di-n-propylamine	70	6.437	6.449	(1.114)	185481	20.0000	20
	15 Hexachloroethane	117	6.502	6.503	(1.125)	161631	20.0000	20
$	16 Nitrobenzene-d5	82	6.621	6.622	(0.860)	367415	20.0000	22
	17 Nitrobenzene	77	6.642	6.654	(0.863)	314380	20.0000	21
	18 Isophorone	82	7.031	7.043	(0.913)	495668	20.0000	20
	19 2-Nitrophenol	139	7.128	7.140	(0.926)	209905	20.0000	21
	20 2,4-Dimethylphenol	107	7.258	7.270	(0.942)	142668	20.0000	16
	21 bis(2-Chloroethoxy)methane	93	7.409	7.410	(0.962)	304017	20.0000	21
	22 2,4-Dichlorophenol	162	7.517	7.529	(0.976)	318647	20.0000	21
*	23 Naphthalene-d8	136	7.701	7.702	(1.000)	1769466	40.0000	
	24 Naphthalene	128	7.734	7.734	(1.004)	779288	20.0000	20
	25 4-Chloroaniline	127	7.863	7.864	(1.021)	314889	20.0000	26
	26 Hexachlorobutadiene	225	7.950	7.950	(1.032)	234881	20.0000	21

Data File: S1E4489.D
Report Date: 19-May-2005 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	27 Caprolactam	113	8.436	8.491	(1.095)	83490	20.0000	22
	28 4-Chloro-3-Methylphenol	107	8.695	8.707	(1.129)	236797	20.0000	21
	29 2-Methylnaphthalene	142	8.835	8.836	(1.147)	602050	20.0000	22
	30 Hexachlorocyclopentadiene	237	9.084	9.096	(0.865)	136808	20.0000	13
	31 2,4,6-Trichlorophenol	196	9.322	9.323	(0.888)	214871	20.0000	18
	32 2,4,5-Trichlorophenol	196	9.386	9.387	(0.894)	273304	20.0000	20
$	33 2-Fluorobiphenyl	172	9.451	9.463	(0.900)	729311	20.0000	18
	34 1,1'-Biphenyl	154	9.602	9.604	(0.915)	742579	20.0000	19
	35 2-Chloronaphthalene	162	9.602	9.614	(0.915)	629961	20.0000	21
	36 2-Nitroaniline	65	9.808	9.819	(0.934)	169338	20.0000	19
	37 Dimethylphthalate	163	10.154	10.165	(0.967)	729446	20.0000	20
	38 2,6-Dinitrotoluene	165	10.240	10.252	(0.975)	183595	20.0000	21
	39 Acenaphthylene	152	10.262	10.262	(0.977)	859591	20.0000	19
	40 3-Nitroaniline	138	10.488	10.500	(0.999)	163561	20.0000	21
*	41 Acenaphthene-d10	164	10.499	10.500	(1.000)	1074655	40.0000	
	42 Acenaphthene	153	10.542	10.554	(1.004)	535633	20.0000	19
	43 2,4-Dinitrophenol	184	10.672	10.684	(1.016)	87140	20.0000	13
	44 4-Nitrophenol	109	10.834	10.846	(1.032)	84373	20.0000	16
	45 Dibenzofuran	168	10.823	10.835	(1.031)	845859	20.0000	19
	46 2,4-Dinitrotoluene	165	10.877	10.889	(1.036)	240054	20.0000	20
	47 Diethylphthalate	149	11.299	11.310	(1.076)	771796	20.0000	20
	48 Fluorene	166	11.374	11.386	(1.083)	666170	20.0000	20
	49 4-Chlorophenyl-phenylether	204	11.418	11.429	(1.087)	359664	20.0000	21
	50 4-Nitroaniline	138	11.472	11.494	(1.093)	139003	20.0000	24
	51 4,6-Dinitro-2-methylphenol	198	11.526	11.548	(0.895)	157368	20.0000	18
	52 N-Nitrosodiphenylamine	169	11.623	11.635	(0.903)	478084	20.0000	20
$	53 2,4,6-Tribromophenol	330	11.763	11.775	(0.914)	175316	20.0000	19
	54 4-Bromophenyl-phenylether	248	12.195	12.207	(0.947)	238420	20.0000	20
	55 Hexachlorobenzene	284	12.249	12.261	(0.951)	283516	20.0000	20
	56 Atrazine	200	12.552	12.564	(0.975)	181166	20.0000	20
	57 Pentachlorophenol	266	12.606	12.607	(0.979)	111043	20.0000	16
*	58 Phenanthrene-d10	188	12.876	12.888	(1.000)	1794012	40.0000	
	59 Phenanthrene	178	12.919	12.920	(1.003)	1026367	20.0000	21
	60 Anthracene	178	12.995	13.007	(1.009)	952517	20.0000	21
	61 Carbazole	167	13.297	13.298	(1.033)	868142	20.0000	22
	62 Di-n-butylphthalate	149	13.967	13.968	(1.085)	1358019	20.0000	21
	63 Fluoranthene	202	14.831	14.832	(1.152)	1075823	20.0000	21
	64 Pyrene	202	15.177	15.189	(0.884)	1115835	20.0000	20
$	65 Terphenyl-d14	244	15.512	15.524	(0.904)	857168	20.0000	20
	66 Butylbenzylphthalate	149	16.376	16.377	(0.954)	554153	20.0000	20
	67 3,3'-Dichlorobenzidine	252	17.154	17.166	(0.999)	262945	20.0000	21
	68 Benzo(a)anthracene	228	17.133	17.144	(0.998)	1123561	20.0000	21
*	69 Chrysene-d12	240	17.165	17.166	(1.000)	1804069	40.0000	
	70 Chrysene	228	17.197	17.209	(1.002)	892672	20.0000	18
	71 bis(2-Ethylhexyl)phthalate	149	17.349	17.350	(1.011)	790658	20.0000	21
	72 Di-n-octylphthalate	149	18.353	18.365	(0.951)	1301975	20.0000	20
	73 Benzo(b)fluoranthene	252	18.764	18.776	(0.973)	1155731	20.0000	18

Data File: S1E4489.D
Report Date: 19-May-2005 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
74	Benzo(k)fluoranthene	252	18.807	18.819	(0.975)	1177053	20.0000	18
75	Benzo(a)pyrene	252	19.218	19.219	(0.996)	1064731	20.0000	22
* 76	Perylene-d12	264	19.293	19.305	(1.000)	1645599	40.0000	
77	Indeno(1,2,3-cd)pyrene	276	20.644	20.666	(1.070)	1277078	20.0000	21
78	Dibenzo(a,h)anthracene	278	20.676	20.688	(1.072)	1046836	20.0000	21
79	Benzo(g,h,i)perylene	276	20.979	21.001	(1.087)	1083760	20.0000	21

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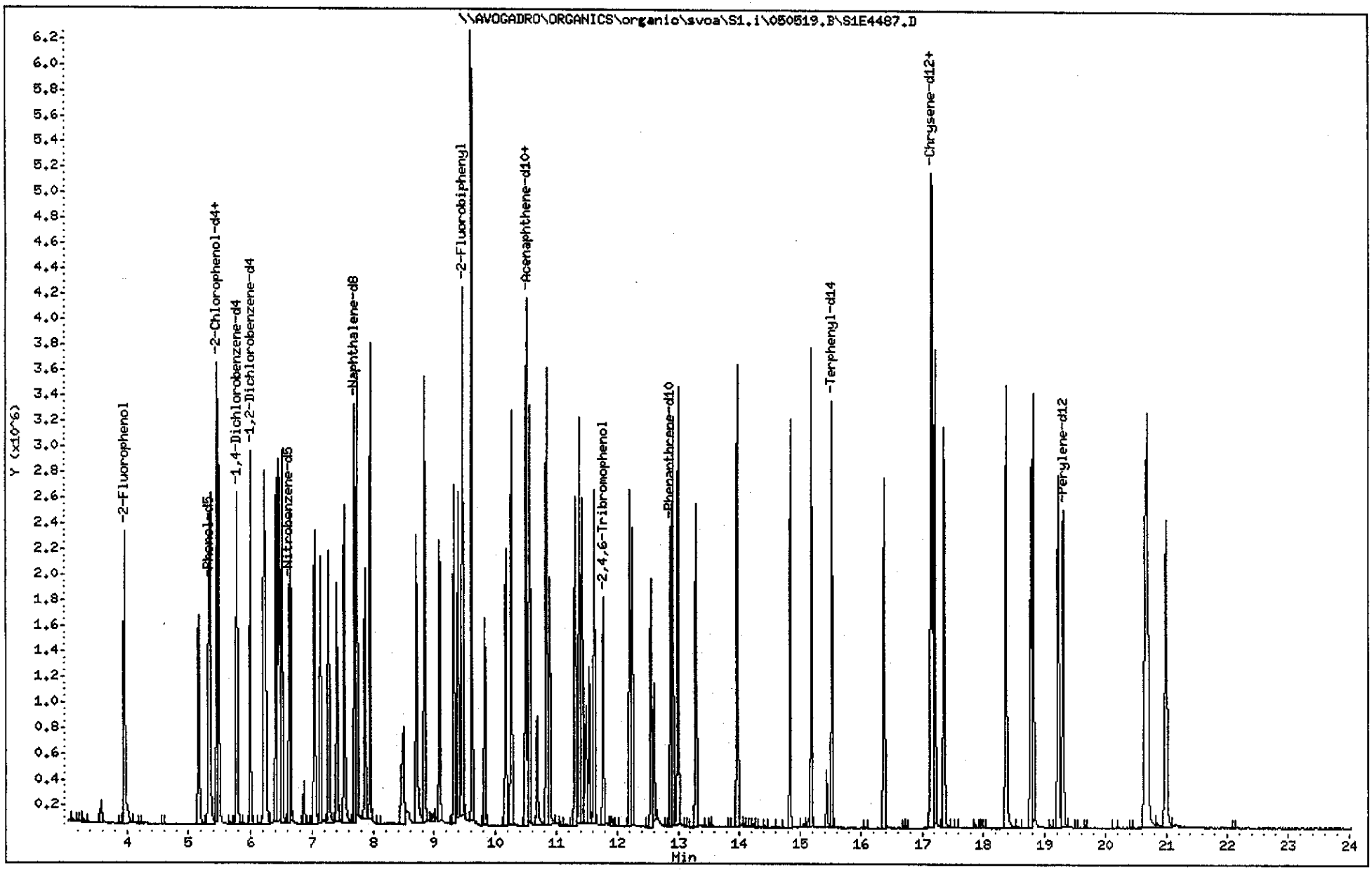
5/19/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4487.D
Date : 19-MAY-2005 13:15
Client ID: SSTD0501V
Sample Info: SSTD0501V,SSTD0501V

Instrument: S1.i

Operator: KC SRC: KC
Column diameter: 0.25

Column phase: DB-5MS



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Data File: S1E4487.D
Report Date: 19-May-2005 15:15

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4487.D
Lab Smp Id: SSTD0501V Client Smp ID: SSTD0501V
Inj Date : 19-MAY-2005 13:15
Operator : KC SRC: KC Inst ID: S1.i
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Comment :
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Meth Date : 19-May-2005 15:15 mtl Quant Type: ISTD
Cal Date : 19-MAY-2005 13:15 Cal File: S1E4487.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	1 2-Fluorophenol	112	3.953	3.953	(0.684)	921640	50.0000	50
	2 Benzaldehyde	77	5.163	5.163	(0.893)	506993	50.0000	50
$	3 Phenol-d5	99	5.314	5.314	(0.920)	895869	50.0000	50
	4 Phenol	94	5.336	5.336	(0.923)	854822	50.0000	50
	5 bis(2-Chloroethyl)Ether	93	5.444	5.444	(0.942)	610272	50.0000	50
$	6 2-Chlorophenol-d4	132	5.455	5.455	(0.944)	951460	50.0000	50
	7 2-Chlorophenol	128	5.476	5.476	(0.948)	920136	50.0000	50
*	8 1,4-Dichlorobenzene-d4	152	5.779	5.779	(1.000)	660929	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.995	5.995	(1.037)	709968	50.0000	50
	10 2-Methylphenol	108	6.211	6.211	(1.075)	633399	50.0000	50
	11 2,2'-oxybis(1-Chloropropane)	45	6.244	6.244	(1.080)	967063	50.0000	50
	12 Acetophenone	105	6.416	6.416	(1.110)	1023875	50.0000	50
	13 4-Methylphenol	108	6.470	6.470	(1.120)	693125	50.0000	50
	14 N-Nitroso-di-n-propylamine	70	6.449	6.449	(1.116)	620911	50.0000	50
	15 Hexachloroethane	117	6.503	6.503	(1.125)	448075	50.0000	50
$	16 Nitrobenzene-d5	82	6.622	6.622	(0.860)	959633	50.0000	50
	17 Nitrobenzene	77	6.654	6.654	(0.864)	866053	50.0000	50
	18 Isophorone	82	7.043	7.043	(0.914)	1430160	50.0000	50
	19 2-Nitrophenol	139	7.140	7.140	(0.927)	570079	50.0000	50
	20 2,4-Dimethylphenol	107	7.270	7.270	(0.944)	650086	50.0000	50
	21 bis(2-Chloroethoxy)methane	93	7.410	7.410	(0.962)	786919	50.0000	50
	22 2,4-Dichlorophenol	162	7.529	7.529	(0.978)	808832	50.0000	50
*	23 Naphthalene-d8	136	7.702	7.702	(1.000)	2212403	40.0000	
	24 Naphthalene	128	7.734	7.734	(1.004)	2273397	50.0000	50
	25 4-Chloroaniline	127	7.864	7.864	(1.021)	814201	50.0000	50
	26 Hexachlorobutadiene	225	7.950	7.950	(1.032)	612833	50.0000	50

Data File: S1E4487.D
Report Date: 19-May-2005 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	27 Caprolactam	113	8.491	8.491	(1.102)	241992	50.0000	50
	28 4-Chloro-3-Methylphenol	107	8.707	8.707	(1.130)	675722	50.0000	50
	29 2-Methylnaphthalene	142	8.836	8.836	(1.147)	1420181	50.0000	50
	30 Hexachlorocyclopentadiene	237	9.096	9.096	(0.866)	577193	50.0000	50
	31 2,4,6-Trichlorophenol	196	9.323	9.323	(0.888)	604618	50.0000	50
	32 2,4,5-Trichlorophenol	196	9.387	9.387	(0.894)	693976	50.0000	50
$	33 2-Fluorobiphenyl	172	9.463	9.463	(0.901)	1931689	50.0000	50
	34 1,1'-Biphenyl	154	9.604	9.604	(0.915)	1736124	50.0000	50
	35 2-Chloronaphthalene	162	9.614	9.614	(0.916)	1360839	50.0000	50
	36 2-Nitroaniline	65	9.819	9.819	(0.935)	394977	50.0000	50
	37 Dimethylphthalate	163	10.165	10.165	(0.968)	1523338	50.0000	50
	38 2,6-Dinitrotoluene	165	10.252	10.252	(0.976)	376013	50.0000	50
	39 Acenaphthylene	152	10.262	10.262	(0.977)	1898511	50.0000	50
	40 3-Nitroaniline	138	10.500	10.500	(1.000)	350366	50.0000	50
*	41 Acenaphthene-d10	164	10.500	10.500	(1.000)	959438	40.0000	
	42 Acenaphthene	153	10.554	10.554	(1.005)	1215676	50.0000	50
	43 2,4-Dinitrophenol	184	10.684	10.684	(1.017)	277734	50.0000	50
	44 4-Nitrophenol	109	10.846	10.846	(1.033)	222899	50.0000	50
	45 Dibenzofuran	168	10.835	10.835	(1.032)	1976179	50.0000	50
	46 2,4-Dinitrotoluene	165	10.889	10.889	(1.037)	524385	50.0000	50
	47 Diethylphthalate	149	11.310	11.310	(1.077)	1749538	50.0000	50
	48 Fluorene	166	11.386	11.386	(1.084)	1409840	50.0000	50
	49 4-Chlorophenyl-phenylether	204	11.429	11.429	(1.088)	740157	50.0000	50
	50 4-Nitroaniline	138	11.494	11.494	(1.095)	339596	50.0000	50
	51 4,6-Dinitro-2-methylphenol	198	11.548	11.548	(0.896)	354395	50.0000	50
	52 N-Nitrosodiphenylamine	169	11.635	11.635	(0.903)	1026078	50.0000	50
$	53 2,4,6-Tribromophenol	330	11.775	11.775	(0.914)	410265	50.0000	50
	54 4-Bromophenyl-phenylether	248	12.207	12.207	(0.947)	505166	50.0000	50
	55 Hexachlorobenzene	284	12.261	12.261	(0.951)	618167	50.0000	50
	56 Atrazine	200	12.564	12.564	(0.975)	435505	50.0000	50
	57 Pentachlorophenol	266	12.607	12.607	(0.978)	287403	50.0000	50
*	58 Phenanthrene-d10	188	12.888	12.888	(1.000)	1683466	40.0000	
	59 Phenanthrene	178	12.920	12.920	(1.002)	2039691	50.0000	50
	60 Anthracene	178	13.007	13.007	(1.009)	2005166	50.0000	50
	61 Carbazole	167	13.298	13.298	(1.032)	1608179	50.0000	50
	62 Di-n-butylphthalate	149	13.968	13.968	(1.084)	2915370	50.0000	50
	63 Fluoranthene	202	14.832	14.832	(1.151)	2245804	50.0000	50
	64 Pyrene	202	15.189	15.189	(0.885)	2523032	50.0000	50
$	65 Terphenyl-d14	244	15.524	15.524	(0.904)	1754488	50.0000	50
	66 Butylbenzylphthalate	149	16.377	16.377	(0.954)	1179872	50.0000	50
	67 3,3'-Dichlorobenzidine	252	17.166	17.166	(1.000)	660642	50.0000	50
	68 Benzo(a)anthracene	228	17.144	17.144	(0.999)	2286046	50.0000	50
*	69 Chrysene-d12	240	17.166	17.166	(1.000)	1672809	40.0000	
	70 Chrysene	228	17.209	17.209	(1.003)	2118623	50.0000	50
	71 bis(2-Ethylhexyl)phthalate	149	17.350	17.350	(1.011)	1714203	50.0000	50
	72 Di-n-octylphthalate	149	18.365	18.365	(0.951)	3006265	50.0000	50
	73 Benzo(b)fluoranthene	252	18.776	18.776	(0.973)	2695470	50.0000	50

Data File: S1E4487.D
Report Date: 19-May-2005 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
74	Benzo(k)fluoranthene	252	18.819	18.819	(0.975)	2587642	50.0000	50
75	Benzo(a)pyrene	252	19.219	19.219	(0.996)	2259105	50.0000	50
* 76	Perylene-d12	264	19.305	19.305	(1.000)	1628797	40.0000	
77	Indeno(1,2,3-cd)pyrene	276	20.666	20.666	(1.071)	2863876	50.0000	50
78	Dibenzo(a,h)anthracene	278	20.688	20.688	(1.072)	2368881	50.0000	50
79	Benzo(g,h,i)perylene	276	21.001	21.001	(1.088)	2436909	50.0000	50

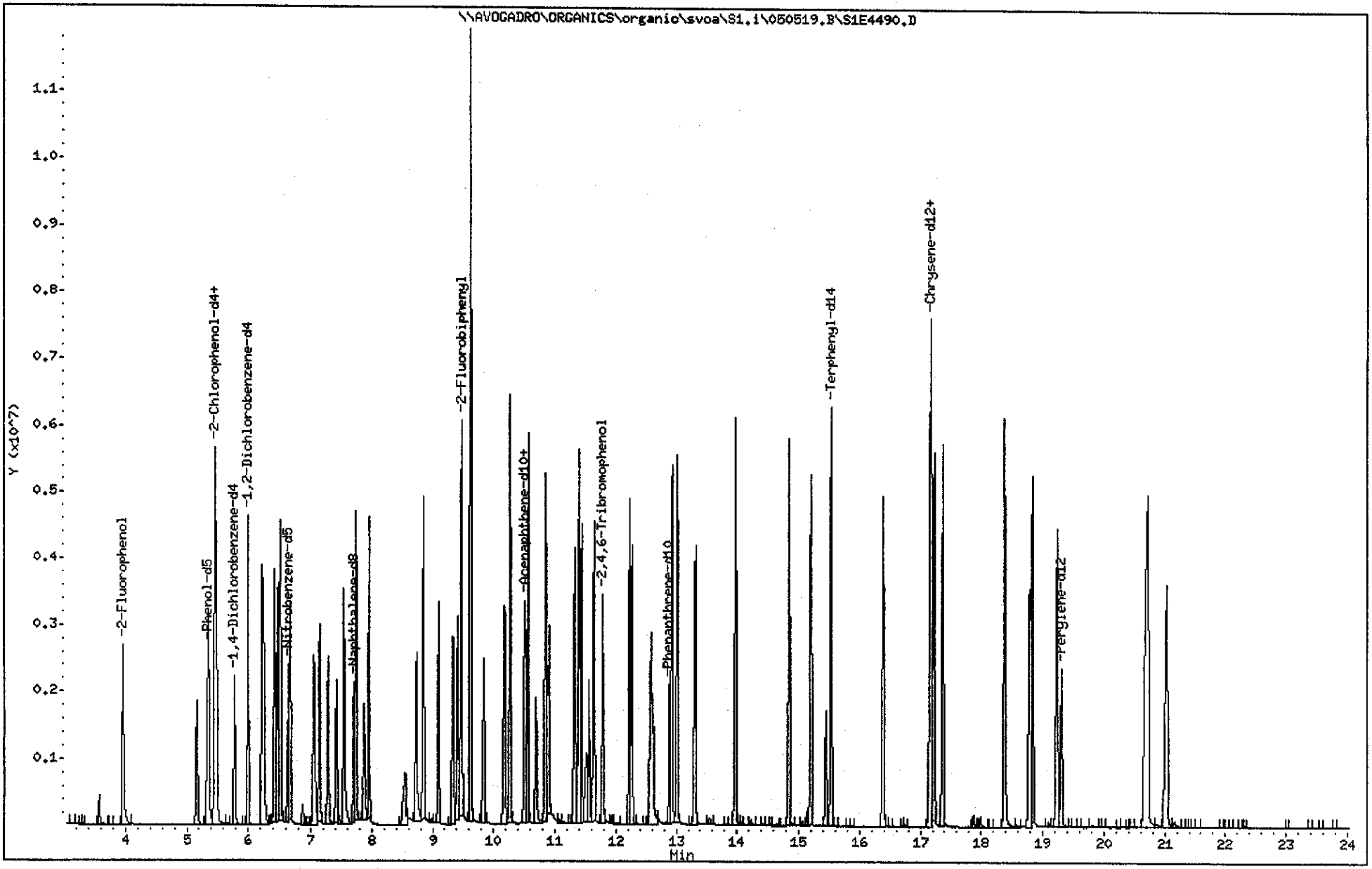
KC
5/19/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4490.D
Date : 19-MAY-2005 14:49
Client ID: SSTD0801V
Sample Info: SSTD0801V,SSTD0801V

Instrument: S1.i

Operator: KC SRC: KC
Column diameter: 0.25

Column phase: DB-5MS



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Data File: S1E4490.D
Report Date: 19-May-2005 15:15

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4490.D
Lab Smp Id: SSTD0801V Client Smp ID: SSTD0801V
Inj Date : 19-MAY-2005 14:49
Operator : KC SRC: KC Inst ID: S1.i
Smp Info : SSTD0801V,SSTD0801V
Misc Info : 3,,DFTPP,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\s1_olm4_2_S.m
Meth Date : 19-May-2005 15:15 mtl Quant Type: ISTD
Cal Date : 19-MAY-2005 13:15 Cal File: S1E4487.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET7

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	1	2-Fluorophenol	112	3.952	3.953	(0.684)	1176838	80.0000	78
	2	Benzaldehyde	77	5.162	5.163	(0.893)	559986	80.0000	90
$	3	Phenol-d5	99	5.335	5.314	(0.923)	1218684	80.0000	84
	4	Phenol	94	5.356	5.336	(0.927)	1153927	80.0000	84
	5	bis(2-Chloroethyl)Ether	93	5.465	5.444	(0.946)	989732	80.0000	87
$	6	2-Chlorophenol-d4	132	5.454	5.455	(0.944)	1365808	80.0000	83
	7	2-Chlorophenol	128	5.486	5.476	(0.950)	1213969	80.0000	83
*	8	1,4-Dichlorobenzene-d4	152	5.778	5.779	(1.000)	500593	40.0000	
$	9	1,2-Dichlorobenzene-d4	152	5.994	5.995	(1.037)	1036782	80.0000	87
	10	2-Methylphenol	108	6.221	6.211	(1.077)	873146	80.0000	86
	11	2,2'-oxybis(1-Chloropropane)	45	6.242	6.244	(1.080)	1316558	80.0000	84
	12	Acetophenone	105	6.426	6.416	(1.112)	1358238	80.0000	84
	13	4-Methylphenol	108	6.480	6.470	(1.122)	896849	80.0000	80
	14	N-Nitroso-di-n-propylamine	70	6.469	6.449	(1.120)	701878	80.0000	81
	15	Hexachloroethane	117	6.512	6.503	(1.127)	642075	80.0000	86
$	16	Nitrobenzene-d5	82	6.642	6.622	(0.861)	1329313	80.0000	83
	17	Nitrobenzene	77	6.675	6.654	(0.866)	1204218	80.0000	86
	18	Isophorone	82	7.053	7.043	(0.915)	2059720	80.0000	88
	19	2-Nitrophenol	139	7.150	7.140	(0.927)	768329	80.0000	84
	20	2,4-Dimethylphenol	107	7.279	7.270	(0.944)	731761	80.0000	88
	21	bis(2-Chloroethoxy)methane	93	7.420	7.410	(0.962)	1029292	80.0000	79
	22	2,4-Dichlorophenol	162	7.539	7.529	(0.978)	1242667	80.0000	87
*	23	Naphthalene-d8	136	7.712	7.702	(1.000)	1625092	40.0000	
	24	Naphthalene	128	7.744	7.734	(1.004)	3199643	80.0000	85
	25	4-Chloroaniline	127	7.874	7.864	(1.021)	896844	80.0000	81
	26	Hexachlorobutadiene	225	7.960	7.950	(1.032)	925399	80.0000	88

Data File: S1E4490.D
Report Date: 19-May-2005 15:15

		QUANT SIG					AMOUNTS	
							CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
	27 Caprolactam	113	8.554	8.491	(1.109)	242849	80.0000	72
	28 4-Chloro-3-Methylphenol	107	8.738	8.707	(1.133)	952791	80.0000	89
	29 2-Methylnaphthalene	142	8.846	8.836	(1.147)	2200924	80.0000	85
	30 Hexachlorocyclopentadiene	237	9.095	9.096	(0.866)	758835	80.0000	85
	31 2,4,6-Trichlorophenol	196	9.343	9.323	(0.890)	843287	80.0000	84
	32 2,4,5-Trichlorophenol	196	9.408	9.387	(0.896)	1009733	80.0000	86
$	33 2-Fluorobiphenyl	172	9.473	9.463	(0.902)	3015537	80.0000	88
	34 1,1'-Biphenyl	154	9.624	9.604	(0.917)	2929748	80.0000	88
	35 2-Chloronaphthalene	162	9.624	9.614	(0.917)	2403905	80.0000	90
	36 2-Nitroaniline	65	9.840	9.819	(0.937)	654727	80.0000	85
	37 Dimethylphthalate	163	10.186	10.165	(0.970)	2896330	80.0000	92
	38 2,6-Dinitrotoluene	165	10.272	10.252	(0.978)	680216	80.0000	89
	39 Acenaphthylene	152	10.272	10.262	(0.978)	3233699	80.0000	86
	40 3-Nitroaniline	138	10.521	10.500	(1.002)	625433	80.0000	89
*	41 Acenaphthene-d10	164	10.499	10.500	(1.000)	899615	40.0000	
	42 Acenaphthene	153	10.564	10.554	(1.006)	2181420	80.0000	89
	43 2,4-Dinitrophenol	184	10.693	10.684	(1.019)	567934	80.0000	93
	44 4-Nitrophenol	109	10.877	10.846	(1.036)	429094	80.0000	91
	45 Dibenzofuran	168	10.845	10.835	(1.033)	3561021	80.0000	91
	46 2,4-Dinitrotoluene	165	10.909	10.889	(1.039)	956837	80.0000	92
	47 Diethylphthalate	149	11.331	11.310	(1.079)	2962778	80.0000	90
	48 Fluorene	166	11.396	11.386	(1.085)	2765161	80.0000	93
	49 4-Chlorophenyl-phenylether	204	11.439	11.429	(1.090)	1299628	80.0000	87
	50 4-Nitroaniline	138	11.514	11.494	(1.097)	500775	80.0000	94
	51 4,6-Dinitro-2-methylphenol	198	11.569	11.548	(0.898)	687538	80.0000	86
	52 N-Nitrosodiphenylamine	169	11.644	11.635	(0.904)	1924050	80.0000	88
$	53 2,4,6-Tribromophenol	330	11.785	11.775	(0.914)	820415	80.0000	93
	54 4-Bromophenyl-phenylether	248	12.217	12.207	(0.948)	933310	80.0000	86
	55 Hexachlorobenzene	284	12.271	12.261	(0.952)	1134476	80.0000	87
	56 Atrazine	200	12.584	12.564	(0.977)	784393	80.0000	91
	57 Pentachlorophenol	266	12.616	12.607	(0.979)	586568	80.0000	87
*	58 Phenanthrene-d10	188	12.887	12.888	(1.000)	1622798	40.0000	
	59 Phenanthrene	178	12.941	12.920	(1.004)	4051498	80.0000	89
	60 Anthracene	178	13.016	13.007	(1.010)	3871263	80.0000	90
	61 Carbazole	167	13.319	13.298	(1.034)	3251436	80.0000	88
	62 Di-n-butylphthalate	149	13.978	13.968	(1.085)	5209073	80.0000	86
	63 Fluoranthene	202	14.853	14.832	(1.153)	4316485	80.0000	89
	64 Pyrene	202	15.209	15.189	(0.886)	4630901	80.0000	88
$	65 Terphenyl-d14	244	15.533	15.524	(0.904)	3371322	80.0000	86
	66 Butylbenzylphthalate	149	16.387	16.377	(0.954)	2259859	80.0000	87
	67 3,3'-Dichlorobenzidine	252	17.176	17.166	(1.000)	1124550	80.0000	93
	68 Benzo(a)anthracene	228	17.165	17.144	(0.999)	4423844	80.0000	87
*	69 Chrysene-d12	240	17.176	17.166	(1.000)	1626446	40.0000	
	70 Chrysene	228	17.230	17.209	(1.003)	3871318	80.0000	85
	71 bis(2-Ethylhexyl)phthalate	149	17.359	17.350	(1.011)	3009014	80.0000	85
	72 Di-n-octylphthalate	149	18.375	18.365	(0.952)	5507301	80.0000	93
	73 Benzo(b)fluoranthene	252	18.796	18.776	(0.974)	5255379	80.0000	90

Data File: S1E4490.D
Report Date: 19-May-2005 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
74	Benzo(k)fluoranthene	252	18.839	18.819	(0.976)	4122137	80.0000	76
75	Benzo(a)pyrene	252	19.239	19.219	(0.997)	3804540	80.0000	87
* 76	Perylene-d12	264	19.304	19.305	(1.000)	1425774	40.0000	
77	Indeno(1,2,3-cd)pyrene	276	20.687	20.666	(1.072)	5270345	80.0000	93
78	Dibenzo(a,h)anthracene	278	20.719	20.688	(1.073)	4212853	80.0000	91
79	Benzo(g,h,i)perylene	276	21.032	21.001	(1.090)	4372854	80.0000	93

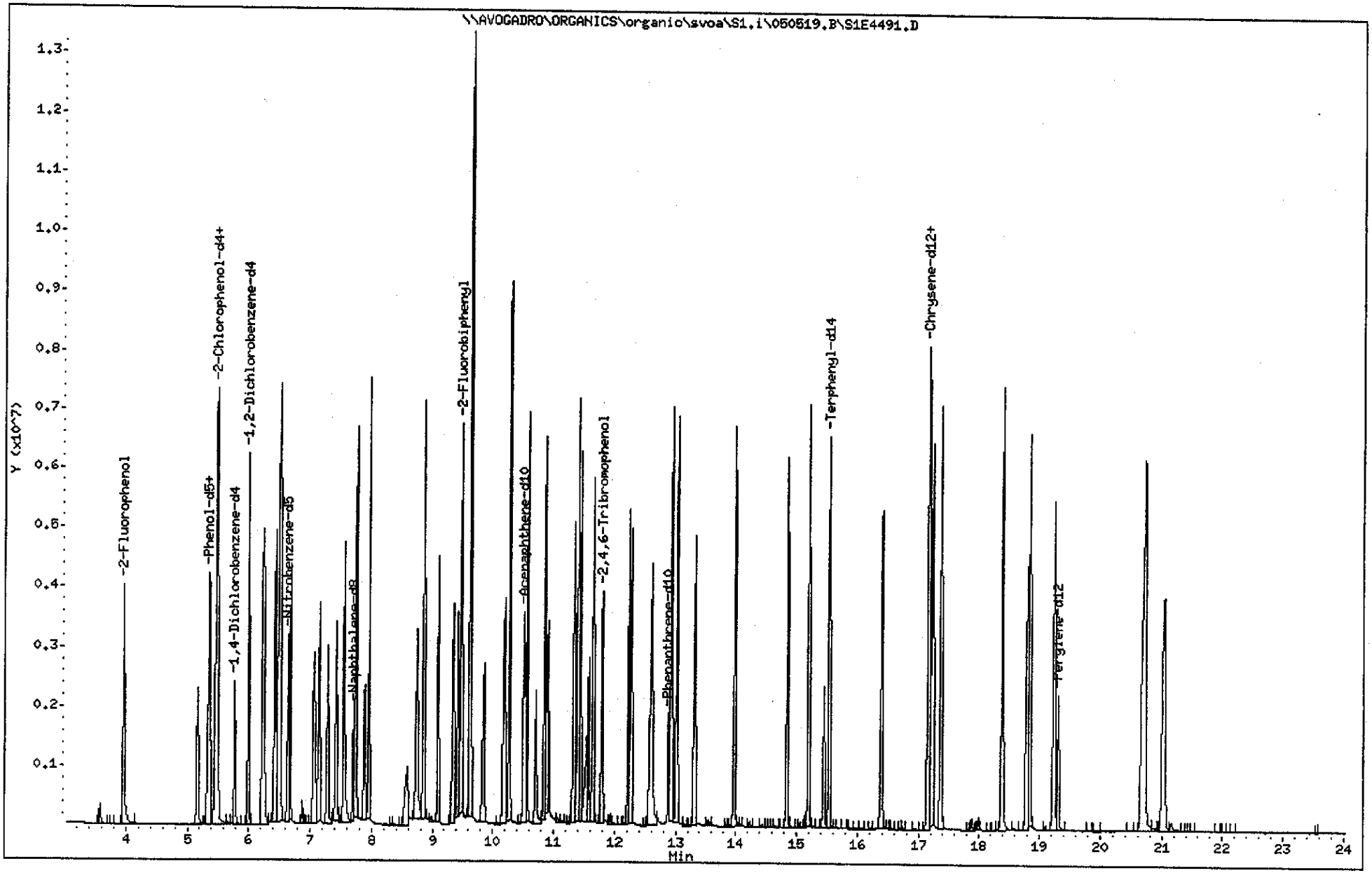
KC
5/19/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4491.D
Date : 19-MAY-2005 15:20
Client ID: SSTD1201V
Sample Info: SSTD1201V,SSTD1201V

Instrument: S1.i

Operator: KC SRC: KC
Column diameter: 0.25

Column phase: DB-5MS



Data File: S1E4491.D
Report Date: 19-May-2005 15:51

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4491.D
Lab Smp Id: SSTD1201V Client Smp ID: SSTD1201V
Inj Date : 19-MAY-2005 15:20
Operator : KC SRC: KC Inst ID: S1.i
Smp Info : SSTD1201V,SSTD1201V
Misc Info : 3,,DFTPP,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\s1_olm4_2_S.m
Meth Date : 19-May-2005 15:51 mtl Quant Type: ISTD
Cal Date : 19-MAY-2005 13:15 Cal File: S1E4487.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	1 2-Fluorophenol	112	3.963	3.953	(0.686)	1605230	120.000	110
	2 Benzaldehyde	77	5.173	5.163	(0.895)	795641	120.000	120
$	3 Phenol-d5	99	5.356	5.314	(0.927)	1692093	120.000	120
	4 Phenol	94	5.367	5.336	(0.929)	1604485	120.000	120
	5 bis(2-Chloroethyl)Ether	93	5.475	5.444	(0.948)	1464724	120.000	120
$	6 2-Chlorophenol-d4	132	5.464	5.455	(0.946)	1915127	120.000	120
	7 2-Chlorophenol	128	5.497	5.476	(0.951)	1703399	120.000	120
*	8 1,4-Dichlorobenzene-d4	152	5.778	5.779	(1.000)	508047	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	6.005	5.995	(1.039)	1382551	120.000	120
	10 2-Methylphenol	108	6.231	6.211	(1.079)	1169656	120.000	110
	11 2,2'-oxybis(1-Chloropropane)	45	6.242	6.244	(1.080)	1860388	120.000	120
	12 Acetophenone	105	6.437	6.416	(1.114)	1994450	120.000	120
	13 4-Methylphenol	108	6.502	6.470	(1.125)	1265758	120.000	110
	14 N-Nitroso-di-n-propylamine	70	6.480	6.449	(1.122)	880856	120.000	100
	15 Hexachloroethane	117	6.512	6.503	(1.127)	861568	120.000	120
$	16 Nitrobenzene-d5	82	6.653	6.622	(0.863)	1826639	120.000	120
	17 Nitrobenzene	77	6.685	6.654	(0.867)	1635878	120.000	120
	18 Isophorone	82	7.074	7.043	(0.917)	2748943	120.000	120
	19 2-Nitrophenol	139	7.150	7.140	(0.927)	1102158	120.000	120
	20 2,4-Dimethylphenol	107	7.290	7.270	(0.945)	1032122	120.000	130
	21 bis(2-Chloroethoxy)methane	93	7.431	7.410	(0.964)	1544681	120.000	120
	22 2,4-Dichlorophenol	162	7.550	7.529	(0.979)	1687156	120.000	120
*	23 Naphthalene-d8	136	7.712	7.702	(1.000)	1591716	40.0000	
	24 Naphthalene	128	7.755	7.734	(1.006)	4170969	120.000	110
	25 4-Chloroaniline	127	7.884	7.864	(1.022)	1353686	120.000	120
	26 Hexachlorobutadiene	225	7.960	7.950	(1.032)	1264415	120.000	120

Data File: S1E4491.D
Report Date: 19-May-2005 15:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	27 Caprolactam	113	8.587	8.491	(1.113)	389429	120.000	120
	28 4-Chloro-3-Methylphenol	107	8.749	8.707	(1.134)	1266363	120.000	120
	29 2-Methylnaphthalene	142	8.857	8.836	(1.149)	3063845	120.000	120
	30 Hexachlorocyclopentadiene	237	9.094	9.096	(0.865)	1129772	120.000	120
	31 2,4,6-Trichlorophenol	196	9.343	9.323	(0.889)	1168464	120.000	120
	32 2,4,5-Trichlorophenol	196	9.418	9.387	(0.896)	1242935	120.000	110
$	33 2-Fluorobiphenyl	172	9.473	9.463	(0.901)	3926840	120.000	110
	34 1,1'-Biphenyl	154	9.635	9.604	(0.917)	4117965	120.000	120
	35 2-Chloronaphthalene	162	9.635	9.614	(0.917)	3100518	120.000	120
	36 2-Nitroaniline	65	9.851	9.819	(0.937)	854378	120.000	110
	37 Dimethylphthalate	163	10.186	10.165	(0.969)	3818342	120.000	120
	38 2,6-Dinitrotoluene	165	10.283	10.252	(0.978)	901189	120.000	120
	39 Acenaphthylene	152	10.283	10.262	(0.978)	4543294	120.000	120
	40 3-Nitroaniline	138	10.531	10.500	(1.002)	814916	120.000	120
*	41 Acenaphthene-d10	164	10.510	10.500	(1.000)	915492	40.0000	
	42 Acenaphthene	153	10.574	10.554	(1.006)	2970147	120.000	120
	43 2,4-Dinitrophenol	184	10.704	10.684	(1.019)	711177	120.000	120
	44 4-Nitrophenol	109	10.888	10.846	(1.036)	570370	120.000	120
	45 Dibenzofuran	168	10.855	10.835	(1.033)	4419109	120.000	110
	46 2,4-Dinitrotoluene	165	10.920	10.889	(1.039)	1289290	120.000	120
	47 Diethylphthalate	149	11.342	11.310	(1.079)	3968198	120.000	120
	48 Fluorene	166	11.406	11.386	(1.085)	3410785	120.000	110
	49 4-Chlorophenyl-phenylether	204	11.439	11.429	(1.088)	1885367	120.000	120
	50 4-Nitroaniline	138	11.536	11.494	(1.098)	608994	120.000	110
	51 4,6-Dinitro-2-methylphenol	198	11.579	11.548	(0.899)	858528	120.000	110
	52 N-Nitrosodiphenylamine	169	11.655	11.635	(0.904)	2569598	120.000	120
$	53 2,4,6-Tribromophenol	330	11.795	11.775	(0.915)	987781	120.000	120
	54 4-Bromophenyl-phenylether	248	12.227	12.207	(0.949)	1199667	120.000	110
	55 Hexachlorobenzene	284	12.281	12.261	(0.953)	1527718	120.000	120
	56 Atrazine	200	12.606	12.564	(0.978)	993049	120.000	120
	57 Pentachlorophenol	266	12.627	12.607	(0.980)	797043	120.000	120
*	58 Phenanthrene-d10	188	12.886	12.888	(1.000)	1572669	40.0000	
	59 Phenanthrene	178	12.940	12.920	(1.004)	5226797	120.000	120
	60 Anthracene	178	13.027	13.007	(1.011)	4878018	120.000	120
	61 Carbazole	167	13.319	13.298	(1.034)	4173053	120.000	120
	62 Di-n-butylphthalate	149	13.978	13.968	(1.085)	6672494	120.000	120
	63 Fluoranthene	202	14.853	14.832	(1.153)	5379077	120.000	120
	64 Pyrene	202	15.209	15.189	(0.885)	5636436	120.000	120
$	65 Terphenyl-d14	244	15.544	15.524	(0.904)	4415535	120.000	120
	66 Butylbenzylphthalate	149	16.398	16.377	(0.954)	2901144	120.000	120
	67 3,3'-Dichlorobenzidine	252	17.186	17.166	(1.000)	1426584	120.000	130
	68 Benzo(a)anthracene	228	17.165	17.144	(0.999)	5433037	120.000	120
*	69 Chrysene-d12	240	17.186	17.166	(1.000)	1496754	40.0000	
	70 Chrysene	228	17.240	17.209	(1.003)	5115401	120.000	120
	71 bis(2-Ethylhexyl)phthalate	149	17.370	17.350	(1.011)	3849233	120.000	120
	72 Di-n-octylphthalate	149	18.385	18.365	(0.952)	6733146	120.000	120
	73 Benzo(b)fluoranthene	252	18.818	18.776	(0.974)	7163952	120.000	120

Data File: S1E4491.D
Report Date: 19-May-2005 15:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
74	Benzo(k)fluoranthene	252	18.818	18.819	(0.974)	7163952	120.000	130
75	Benzo(a)pyrene	252	19.250	19.219	(0.997)	5023141	120.000	120
* 76	Perylene-d12	264	19.315	19.305	(1.000)	1408663	40.0000	
77	Indeno(1,2,3-cd)pyrene	276	20.687	20.666	(1.071)	6528408	120.000	120
78	Dibenzo(a,h)anthracene	278	20.730	20.688	(1.073)	5161680	120.000	110
79	Benzo(g,h,i)perylene	276	21.043	21.001	(1.089)	5215411	120.000	110

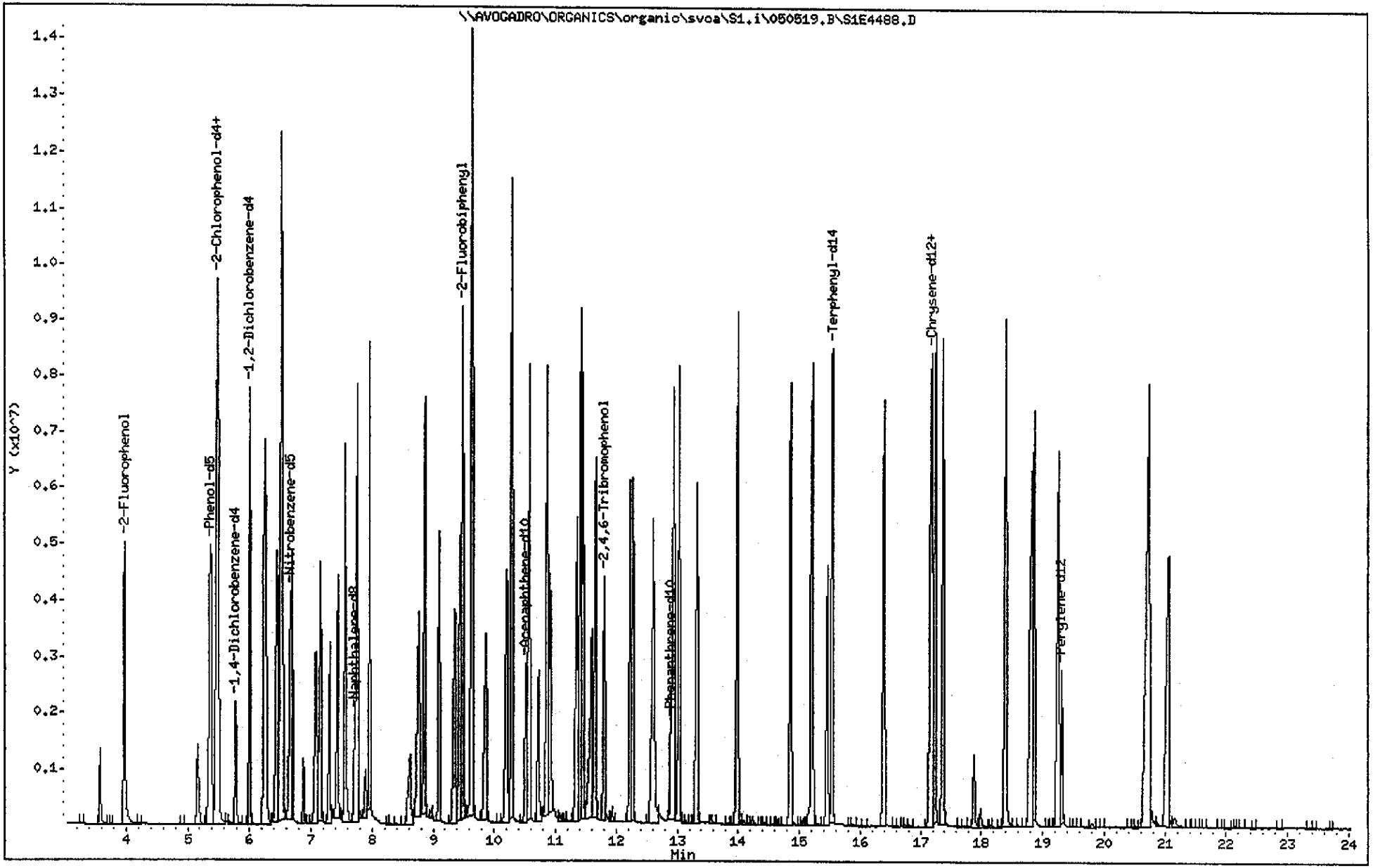
KL 5/19/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4488.D
Date : 19-MAY-2005 13:46
Client ID: SSTD1601V
Sample Info: SSTD1601V,SSTD1601V

Instrument: S1.i

Operator: KC SRC: KC
Column diameter: 0.25

Column phase: DB-5MS



0177

Data File: S1E4488.D
Report Date: 19-May-2005 15:15

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4488.D
Lab Smp Id: SSTD1601V Client Smp ID: SSTD1601V
Inj Date : 19-MAY-2005 13:46
Operator : KC SRC: KC Inst ID: S1.i
Smp Info : SSTD1601V,SSTD1601V
Misc Info : 3,,DFTPP,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\s1_olm4_2_S.m
Meth Date : 19-May-2005 15:15 mtl Quant Type: ISTD
Cal Date : 19-MAY-2005 13:15 Cal File: S1E4487.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	1 2-Fluorophenol	112	3.974	3.953	(0.688)	2224610	160.000	160(A)
	2 Benzaldehyde	77	5.162	5.163	(0.893)	557651	160.000	100
$	3 Phenol-d5	99	5.367	5.314	(0.929)	2326465	160.000	170(A)
	4 Phenol	94	5.389	5.336	(0.933)	2134994	160.000	160(A)
	5 bis(2-Chloroethyl)Ether	93	5.475	5.444	(0.948)	2107145	160.000	190(A)
$	6 2-Chlorophenol-d4	132	5.475	5.455	(0.948)	2640204	160.000	170(A)
	7 2-Chlorophenol	128	5.497	5.476	(0.951)	2291659	160.000	160(A)
*	8 1,4-Dichlorobenzene-d4	152	5.778	5.779	(1.000)	491368	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	6.005	5.995	(1.039)	1830535	160.000	170(A)
	10 2-Methylphenol	108	6.232	6.211	(1.079)	1638447	160.000	170(A)
	11 2,2'-oxybis(1-Chloropropane)	45	6.253	6.244	(1.082)	2826128	160.000	180(A)
	12 Acetophenone	105	6.448	6.416	(1.116)	2608896	160.000	170(A)
	13 4-Methylphenol	108	6.513	6.470	(1.127)	1965029	160.000	170(A)
	14 N-Nitroso-di-n-propylamine	70	6.491	6.449	(1.123)	1254835	160.000	150
	15 Hexachloroethane	117	6.513	6.503	(1.127)	1196248	160.000	170(A)
$	16 Nitrobenzene-d5	82	6.664	6.622	(0.863)	2439900	160.000	170(A)
	17 Nitrobenzene	77	6.696	6.654	(0.867)	2083039	160.000	170(A)
	18 Isophorone	82	7.085	7.043	(0.917)	3600093	160.000	170(A)
	19 2-Nitrophenol	139	7.161	7.140	(0.927)	1376251	160.000	170(A)
	20 2,4-Dimethylphenol	107	7.301	7.270	(0.945)	1217066	160.000	150
	21 bis(2-Chloroethoxy)methane	93	7.442	7.410	(0.964)	2092706	160.000	170(A)
	22 2,4-Dichlorophenol	162	7.561	7.529	(0.979)	2254081	160.000	180(A)
*	23 Naphthalene-d8	136	7.723	7.702	(1.000)	1538176	40.0000	
	24 Naphthalene	128	7.755	7.734	(1.004)	6196762	160.000	180(A)
	25 4-Chloroaniline	127	7.885	7.864	(1.021)	1025019	160.000	120
	26 Hexachlorobutadiene	225	7.960	7.950	(1.031)	1645120	160.000	170(A)

Data File: S1E4488.D
Report Date: 19-May-2005 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	27 Caprolactam	113	8.630	8.491	(1.118)	467723	160.000	150
	28 4-Chloro-3-Methylphenol	107	8.771	8.707	(1.136)	1502304	160.000	160
	29 2-Methylnaphthalene	142	8.868	8.836	(1.148)	4233073	160.000	180(A)
	30 Hexachlorocyclopentadiene	237	9.105	9.096	(0.866)	1585828	160.000	150
	31 2,4,6-Trichlorophenol	196	9.365	9.323	(0.891)	1528928	160.000	150
	32 2,4,5-Trichlorophenol	196	9.365	9.387	(0.891)	1528928	160.000	130
$	33 2-Fluorobiphenyl	172	9.483	9.463	(0.902)	5399146	160.000	150
	34 1,1'-Biphenyl	154	9.646	9.604	(0.918)	5225260	160.000	160
	35 2-Chloronaphthalene	162	9.646	9.614	(0.918)	3979068	160.000	160
	36 2-Nitroaniline	65	9.862	9.819	(0.938)	1211279	160.000	160(A)
	37 Dimethylphthalate	163	10.197	10.165	(0.970)	5036863	160.000	170(A)
	38 2,6-Dinitrotoluene	165	10.294	10.252	(0.979)	1183121	160.000	160(A)
	39 Acenaphthylene	152	10.294	10.262	(0.979)	6362421	160.000	170(A)
	40 3-Nitroaniline	138	10.542	10.500	(1.003)	1067001	160.000	160(A)
*	41 Acenaphthene-d10	164	10.510	10.500	(1.000)	911615	40.0000	
	42 Acenaphthene	153	10.575	10.554	(1.006)	4082605	160.000	170(A)
	43 2,4-Dinitrophenol	184	10.726	10.684	(1.021)	978657	160.000	170(A)
	44 4-Nitrophenol	109	10.910	10.846	(1.038)	742825	160.000	170(A)
	45 Dibenzofuran	168	10.866	10.835	(1.034)	6452118	160.000	170(A)
	46 2,4-Dinitrotoluene	165	10.931	10.889	(1.040)	1602315	160.000	160(A)
	47 Diethylphthalate	149	11.353	11.310	(1.080)	4822255	160.000	150
	48 Fluorene	166	11.417	11.386	(1.086)	4804359	160.000	170(A)
	49 4-Chlorophenyl-phenylether	204	11.450	11.429	(1.089)	2332147	160.000	160(A)
	50 4-Nitroaniline	138	11.558	11.494	(1.100)	533624	160.000	110
	51 4,6-Dinitro-2-methylphenol	198	11.601	11.548	(0.899)	1245727	160.000	180(A)
	52 N-Nitrosodiphenylamine	169	11.666	11.635	(0.905)	3207161	160.000	170(A)
$	53 2,4,6-Tribromophenol	330	11.806	11.775	(0.915)	1322391	160.000	170(A)
	54 4-Bromophenyl-phenylether	248	12.238	12.207	(0.949)	1655410	160.000	170(A)
	55 Hexachlorobenzene	284	12.282	12.261	(0.952)	1967683	160.000	170(A)
	56 Atrazine	200	12.617	12.564	(0.978)	1181673	160.000	160
	57 Pentachlorophenol	266	12.627	12.607	(0.979)	1074222	160.000	180(A)
*	58 Phenanthrene-d10	188	12.897	12.888	(1.000)	1474340	40.0000	
	59 Phenanthrene	178	12.951	12.920	(1.004)	6618869	160.000	170(A)
	60 Anthracene	178	13.038	13.007	(1.011)	6030604	160.000	170(A)
	61 Carbazole	167	13.330	13.298	(1.034)	5434891	160.000	170(A)
	62 Di-n-butylphthalate	149	13.989	13.968	(1.085)	8550698	160.000	160(A)
	63 Fluoranthene	202	14.864	14.832	(1.152)	6899157	160.000	170(A)
	64 Pyrene	202	15.220	15.189	(0.886)	7459957	160.000	170(A)
$	65 Terphenyl-d14	244	15.555	15.524	(0.905)	5831765	160.000	180(A)
	66 Butylbenzylphthalate	149	16.398	16.377	(0.954)	3911855	160.000	180(A)
	67 3,3'-Dichlorobenzidine	252	17.197	17.166	(1.001)	1367648	160.000	140
	68 Benzo(a)anthracene	228	17.176	17.144	(0.999)	7283103	160.000	170(A)
*	69 Chrysene-d12	240	17.186	17.166	(1.000)	1427721	40.0000	
	70 Chrysene	228	17.251	17.209	(1.004)	7295685	160.000	180(A)
	71 bis(2-Ethylhexyl)phthalate	149	17.370	17.350	(1.011)	4860854	160.000	160(A)
	72 Di-n-octylphthalate	149	18.396	18.365	(0.952)	9308222	160.000	170(A)
	73 Benzo(b)fluoranthene	252	18.829	18.776	(0.975)	11081704	160.000	190(A)

Data File: S1E4488.D
Report Date: 19-May-2005 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
74	Benzo(k)fluoranthene	252	18.829	18.819	(0.975)	11081704	160.000	190(A)
75	Benzo(a)pyrene	252	19.261	19.219	(0.997)	6763324	160.000	170(A)
* 76	Perylene-d12	264	19.315	19.305	(1.000)	1418603	40.0000	
77	Indeno(1,2,3-cd)pyrene	276	20.730	20.666	(1.073)	8860705	160.000	170(A)
78	Dibenzo(a,h)anthracene	278	20.752	20.688	(1.074)	7233472	160.000	170(A)
79	Benzo(g,h,i)perylene	276	21.065	21.001	(1.091)	7113735	160.000	160(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

RC
5/19/05

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Instrument ID: S1 Calibration Date: 05/25/05 Time: 0853

Lab File ID: S1E4506 Init. Calib. Date(s): 05/19/05 05/19/05

EPA Sample No.(SSTD050##): SSTD0501W Init. Calib. Times: 1315 1520

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.502	0.723		44.0	
Phenol	1.086	1.232	0.800	13.4	25.0
bis(2-Chloroethyl)Ether	0.923	0.856	0.700	-7.3	25.0
2-Chlorophenol	1.160	1.219	0.800	5.1	25.0
2-Methylphenol	0.804	0.885	0.700	10.1	25.0
2,2'-oxybis(1-Chloropropane)	1.252	1.406		12.3	
Acetophenone	1.299	1.458		12.2	
4-Methylphenol	0.879	0.950	0.600	8.1	25.0
N-Nitroso-di-n-propylamine	0.669	0.797	0.500	19.1	25.0
Hexachloroethane	0.590	0.636	0.300	7.8	25.0
Nitrobenzene	0.344	0.310	0.200	-9.9	25.0
Isophorone	0.574	0.529	0.400	-7.8	25.0
2-Nitrophenol	0.227	0.208	0.100	-8.4	25.0
2,4-Dimethylphenol	0.207	0.207	0.200	0.0	25.0
bis(2-Chloroethoxy)methane	0.322	0.313	0.300	-2.8	25.0
2,4-Dichlorophenol	0.351	0.275	0.200	-21.7	25.0
Naphthalene	0.913	0.818	0.700	-10.4	25.0
4-Chloroaniline	0.275	0.262		-4.7	
Hexachlorobutadiene	0.261	0.216		-17.2	
Caprolactam	0.083	0.091		9.6	
4-Chloro-3-Methylphenol	0.263	0.244	0.200	-7.2	25.0
2-Methylnaphthalene	0.640	0.532	0.400	-16.9	25.0
Hexachlorocyclopentadiene	0.401	0.301		-24.9	
2,4,6-Trichlorophenol	0.443	0.372	0.200	-16.0	25.0
2,4,5-Trichlorophenol	0.503	0.395	0.200	-21.5	25.0
1,1'-Biphenyl	1.478	1.422		-3.8	
2-Chloronaphthalene	1.173	1.124	0.800	-4.2	25.0
2-Nitroaniline	0.334	0.359		7.5	
Dimethylphthalate	1.402	1.149		-18.0	
2,6-Dinitrotoluene	0.337	0.331	0.200	-1.8	25.0
Acenaphthylene	1.676	1.630	0.900	-2.7	25.0
3-Nitroaniline	0.308	0.327		6.2	
Acenaphthene	1.085	0.978	0.900	-9.9	25.0
2,4-Dinitrophenol	0.269	0.174		-35.3	
4-Nitrophenol	0.209	0.177		-15.3	
Dibenzofuran	1.716	1.546	0.800	-9.9	25.0

All other compounds must meet a minimum RRF of 0.010.

7D
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Instrument ID: S1 Calibration Date: 05/25/05 Time: 0853

Lab File ID: S1E4506 Init. Calib. Date(s): 05/19/05 05/19/05

EPA Sample No.(SSTD050##): SSTD0501W Init. Calib. Times: 1315 1520

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
2,4-Dinitrotoluene	0.465	0.423	0.200	-9.0	25.0	
Diethylphthalate	1.462	1.378		-5.7		
Fluorene	1.303	1.192	0.900	-8.5	25.0	
4-Chlorophenyl-phenylether	0.667	0.609	0.400	-8.7	25.0	
4-Nitroaniline	0.232	0.297		28.0		
4,6-Dinitro-2-methylphenol	0.193	0.167		-13.5		
N-Nitrosodiphenylamine(1)	0.541	0.486		-10.2		
4-Bromophenyl-phenylether	0.266	0.260	0.100	-2.3	25.0	
Hexachlorobenzene	0.324	0.329	0.100	1.5	25.0	
Atrazine	0.212	0.187		-11.8		
Pentachlorophenol	0.167	0.117	0.050	-29.9	25.0	<-
Phenanthrene	1.118	1.049	0.700	-6.2	25.0	
Anthracene	1.053	1.027	0.700	-2.5	25.0	
Carbazole	0.908	0.914		0.7		
Di-n-butylphthalate	1.474	1.375		-6.7		
Fluoranthene	1.181	1.071	0.600	-9.3	25.0	
Pyrene	1.286	0.985	0.600	-23.4	25.0	
Butylbenzylphthalate	0.641	0.576		-10.1		
3,3'-Dichlorobenzidine	0.302	0.300		-0.7		
Benzo(a)anthracene	1.237	1.007	0.800	-18.6	25.0	
Chrysene	1.122	0.862	0.700	-23.2	25.0	
bis(2-Ethylhexyl)phthalate	0.866	0.744		-14.1		
Di-n-octylphthalate	1.645	1.784		8.4		
Benzo(b)fluoranthene	1.644	1.419	0.700	-13.7	25.0	
Benzo(k)fluoranthene	1.559	1.388	0.700	-11.0	25.0	
Benzo(a)pyrene	1.224	1.182	0.700	-3.4	25.0	
Indeno(1,2,3-cd)pyrene	1.583	1.427	0.500	-9.9	25.0	
Dibenzo(a,h)anthracene	1.282	1.156	0.400	-9.8	25.0	
Benzo(g,h,i)perylene	1.307	1.341	0.500	2.6	25.0	
Nitrobenzene-d5	0.390	0.344	0.200	-11.8	25.0	
2-Fluorobiphenyl	1.511	1.225	0.700	-18.9	25.0	
Terphenyl-d14	0.966	0.752	0.500	-22.2	25.0	
Phenol-d5	1.147	1.229	0.800	7.1	25.0	
2-Fluorophenol	1.179	1.097	0.600	-7.0	25.0	
2,4,6-Tribromophenol	0.215	0.214		-0.5		
2-Chlorophenol-d4	1.299	1.321	0.800	1.7	25.0	
1,2-Dichlorobenzene-d4	0.942	0.937	0.400	-0.5	25.0	

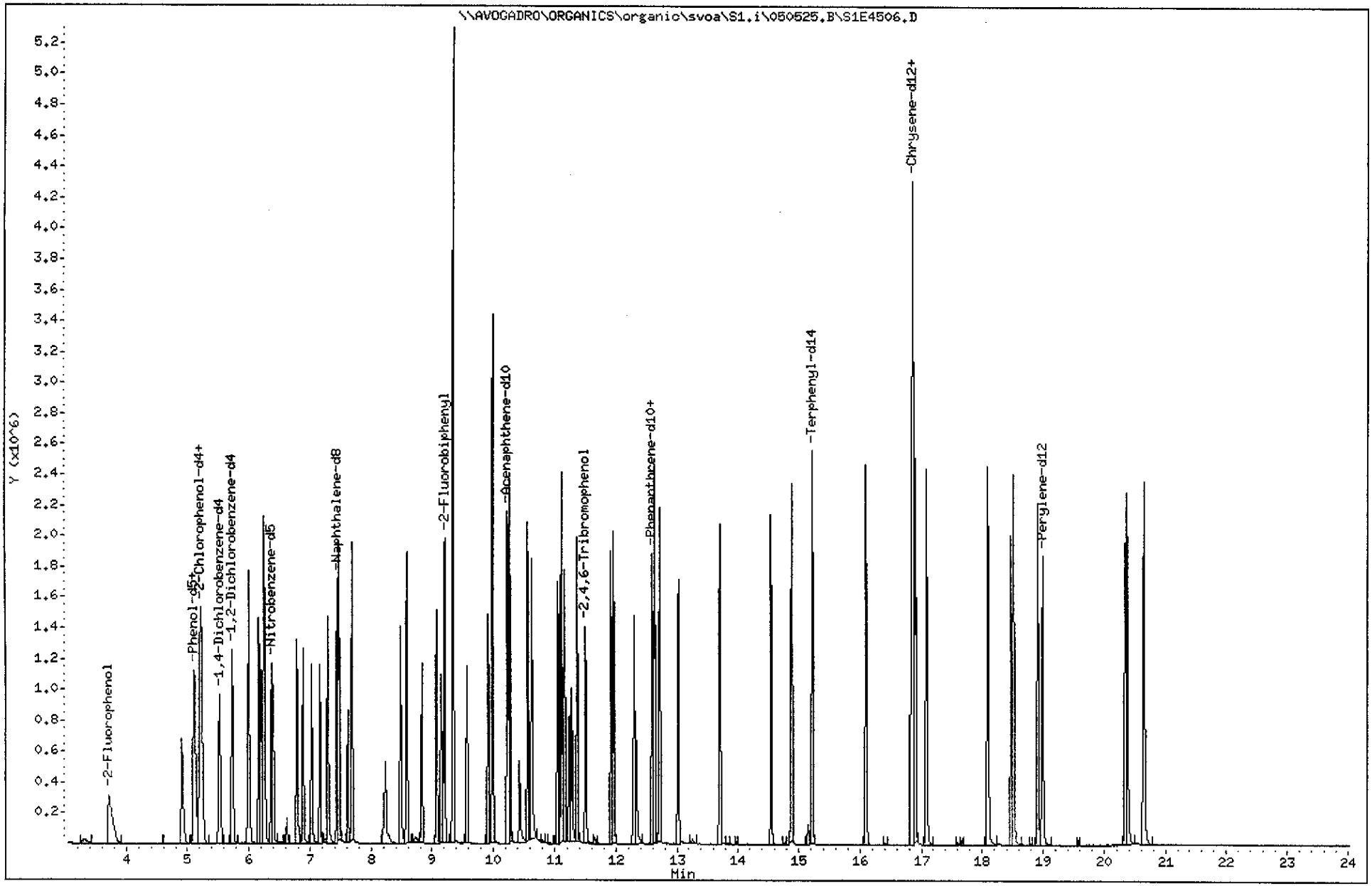
(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4506.D
Date : 25-MAY-2005 08:53
Client ID: SSTD0501W
Sample Info: SSTD0501W,SSTD0501W

Instrument: S1.i

Operator: AW SRC: AW
Column diameter: 0.25

Column phase: DB-5MS



Data File: S1E4506.D
Report Date: 25-May-2005 14:34

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4506.D
Lab Smp Id: SSTD0501W Client Smp ID: SSTD0501W
Inj Date : 25-MAY-2005 08:53
Operator : AW SRC: AW Inst ID: S1.i
Smp Info : SSTD0501W,SSTD0501W
Misc Info : 2,2,SSTD050,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	1 2-Fluorophenol	112	3.726	3.726	(0.675)	407277	50.0000	46
	2 Benzaldehyde	77	4.904	4.904	(0.888)	268669	50.0000	72
$	3 Phenol-d5	99	5.098	5.098	(0.924)	456636	50.0000	54
	4 Phenol	94	5.120	5.120	(0.928)	457571	50.0000	57
	5 bis(2-Chloroethyl)Ether	93	5.196	5.196	(0.941)	317860	50.0000	46
$	6 2-Chlorophenol-d4	132	5.206	5.206	(0.943)	490618	50.0000	51
	7 2-Chlorophenol	128	5.228	5.228	(0.947)	452835	50.0000	53
*	8 1,4-Dichlorobenzene-d4	152	5.520	5.520	(1.000)	297131	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.736	5.736	(1.039)	348129	50.0000	50
	10 2-Methylphenol	108	5.995	5.995	(1.086)	328658	50.0000	55
	11 2,2'-oxybis(1-Chloropropane)	45	5.984	5.984	(1.084)	522349	50.0000	56
	12 Acetophenone	105	6.157	6.157	(1.115)	541533	50.0000	56
	13 4-Methylphenol	108	6.233	6.233	(1.129)	352891	50.0000	54
	14 N-Nitroso-di-n-propylamine	70	6.200	6.200	(1.123)	296067	50.0000	60
	15 Hexachloroethane	117	6.243	6.243	(1.131)	236147	50.0000	54
$	16 Nitrobenzene-d5	82	6.373	6.373	(0.856)	482857	50.0000	44
	17 Nitrobenzene	77	6.406	6.406	(0.861)	435644	50.0000	45
	18 Isophorone	82	6.784	6.784	(0.911)	742907	50.0000	46
	19 2-Nitrophenol	139	6.881	6.881	(0.925)	292685	50.0000	46
	20 2,4-Dimethylphenol	107	7.032	7.032	(0.945)	290778	50.0000	50
	21 bis(2-Chloroethoxy)methane	93	7.162	7.162	(0.962)	440545	50.0000	49
	22 2,4-Dichlorophenol	162	7.281	7.281	(0.978)	386334	50.0000	39
*	23 Naphthalene-d8	136	7.443	7.443	(1.000)	1124444	40.0000	
	24 Naphthalene	128	7.475	7.475	(1.004)	1149225	50.0000	45
	25 4-Chloroaniline	127	7.615	7.615	(1.023)	368539	50.0000	48
	26 Hexachlorobutadiene	225	7.691	7.691	(1.033)	303333	50.0000	41

Data File: S1E4506.D
Report Date: 25-May-2005 14:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	27 Caprolactam	113	8.231	8.231	(1.106)	127962	50.0000	55
	28 4-Chloro-3-Methylphenol	107	8.480	8.480	(1.139)	342366	50.0000	46
	29 2-Methylnaphthalene	142	8.577	8.577	(1.152)	748304	50.0000	42
	30 Hexachlorocyclopentadiene	237	8.825	8.825	(0.864)	233174	50.0000	38
	31 2,4,6-Trichlorophenol	196	9.074	9.074	(0.888)	287890	50.0000	42
	32 2,4,5-Trichlorophenol	196	9.150	9.150	(0.895)	306045	50.0000	39
$	33 2-Fluorobiphenyl	172	9.204	9.204	(0.901)	948053	50.0000	41
	34 1,1'-Biphenyl	154	9.344	9.344	(0.914)	1100580	50.0000	48
	35 2-Chloronaphthalene	162	9.344	9.344	(0.914)	869830	50.0000	48
	36 2-Nitroaniline	65	9.571	9.571	(0.937)	278004	50.0000	54
	37 Dimethylphthalate	163	9.906	9.906	(0.969)	888937	50.0000	41
	38 2,6-Dinitrotoluene	165	9.992	9.992	(0.978)	256520	50.0000	49
	39 Acenaphthylene	152	9.992	9.992	(0.978)	1261622	50.0000	49
	40 3-Nitroaniline	138	10.241	10.241	(1.002)	253373	50.0000	53
*	41 Acenaphthene-d10	164	10.219	10.219	(1.000)	619103	40.0000	
	42 Acenaphthene	153	10.273	10.273	(1.005)	757209	50.0000	45
	43 2,4-Dinitrophenol	184	10.424	10.424	(1.020)	134911	50.0000	32
	44 4-Nitrophenol	109	10.630	10.630	(1.040)	137043	50.0000	42
	45 Dibenzofuran	168	10.554	10.554	(1.033)	1196363	50.0000	45
	46 2,4-Dinitrotoluene	165	10.630	10.630	(1.040)	327361	50.0000	45
	47 Diethylphthalate	149	11.051	11.051	(1.081)	1066543	50.0000	47
	48 Fluorene	166	11.105	11.105	(1.087)	922795	50.0000	46
	49 4-Chlorophenyl-phenylether	204	11.159	11.159	(1.092)	470954	50.0000	46
	50 4-Nitroaniline	138	11.235	11.235	(1.099)	230124	50.0000	64
	51 4,6-Dinitro-2-methylphenol	198	11.278	11.278	(0.889)	212091	50.0000	43
	52 N-Nitrosodiphenylamine	169	11.364	11.364	(0.896)	619055	50.0000	45
$	53 2,4,6-Tribromophenol	330	11.505	11.505	(0.907)	271894	50.0000	50
	54 4-Bromophenyl-phenylether	248	11.926	11.926	(0.940)	331449	50.0000	49
	55 Hexachlorobenzene	284	11.969	11.969	(0.944)	418528	50.0000	51
	56 Atrazine	200	12.304	12.304	(0.970)	237986	50.0000	44(H)
	57 Pentachlorophenol	266	12.337	12.337	(0.973)	148573	50.0000	35
*	58 Phenanthrene-d10	188	12.596	12.596	(1.000)	1018707	40.0000	(H)
	59 Phenanthrene	178	12.639	12.639	(0.997)	1335340	50.0000	47(H)
	60 Anthracene	178	12.715	12.715	(1.003)	1307548	50.0000	49
	61 Carbazole	167	13.028	13.028	(1.027)	1163357	50.0000	50
	62 Di-n-butylphthalate	149	13.698	13.698	(1.080)	1750976	50.0000	47
	63 Fluoranthene	202	14.541	14.541	(1.147)	1363216	50.0000	45
	64 Pyrene	202	14.886	14.886	(0.883)	1559211	50.0000	38
$	65 Terphenyl-d14	244	15.232	15.232	(0.903)	1190716	50.0000	39
	66 Butylbenzylphthalate	149	16.096	16.096	(0.955)	911874	50.0000	45
	67 3,3'-Dichlorobenzidine	252	16.863	16.863	(1.000)	475074	50.0000	50
	68 Benzo(a)anthracene	228	16.842	16.842	(0.999)	1593461	50.0000	41(H)
*	69 Chrysene-d12	240	16.863	16.863	(1.000)	1266448	40.0000	
	70 Chrysene	228	16.907	16.907	(1.003)	1364307	50.0000	38
	71 bis(2-Ethylhexyl)phthalate	149	17.079	17.079	(1.013)	1178514	50.0000	43
	72 Di-n-octylphthalate	149	18.084	18.084	(0.952)	2171652	50.0000	54
	73 Benzo(b)fluoranthene	252	18.473	18.473	(0.973)	1727239	50.0000	43

Data File: S1E4506.D
Report Date: 25-May-2005 14:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	74 Benzo(k)fluoranthene	252	18.516	18.516	(0.975)	1689985	50.0000	45
	75 Benzo(a)pyrene	252	18.916	18.916	(0.996)	1438842	50.0000	48
*	76 Perylene-d12	264	18.992	18.992	(1.000)	973706	40.0000	
	77 Indeno(1,2,3-cd)pyrene	276	20.342	20.342	(1.071)	1737180	50.0000	45
	78 Dibenzo(a,h)anthracene	278	20.364	20.364	(1.072)	1406744	50.0000	45
	79 Benzo(g,h,i)perylene	276	20.645	20.645	(1.087)	1632503	50.0000	51

QC Flag Legend

H - Operator selected an alternate compound hit.

05/26/05
AW

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4486.D

Date : 19-MAY-2005 12:58

Client ID: DFTPP1V

Instrument: S1.i

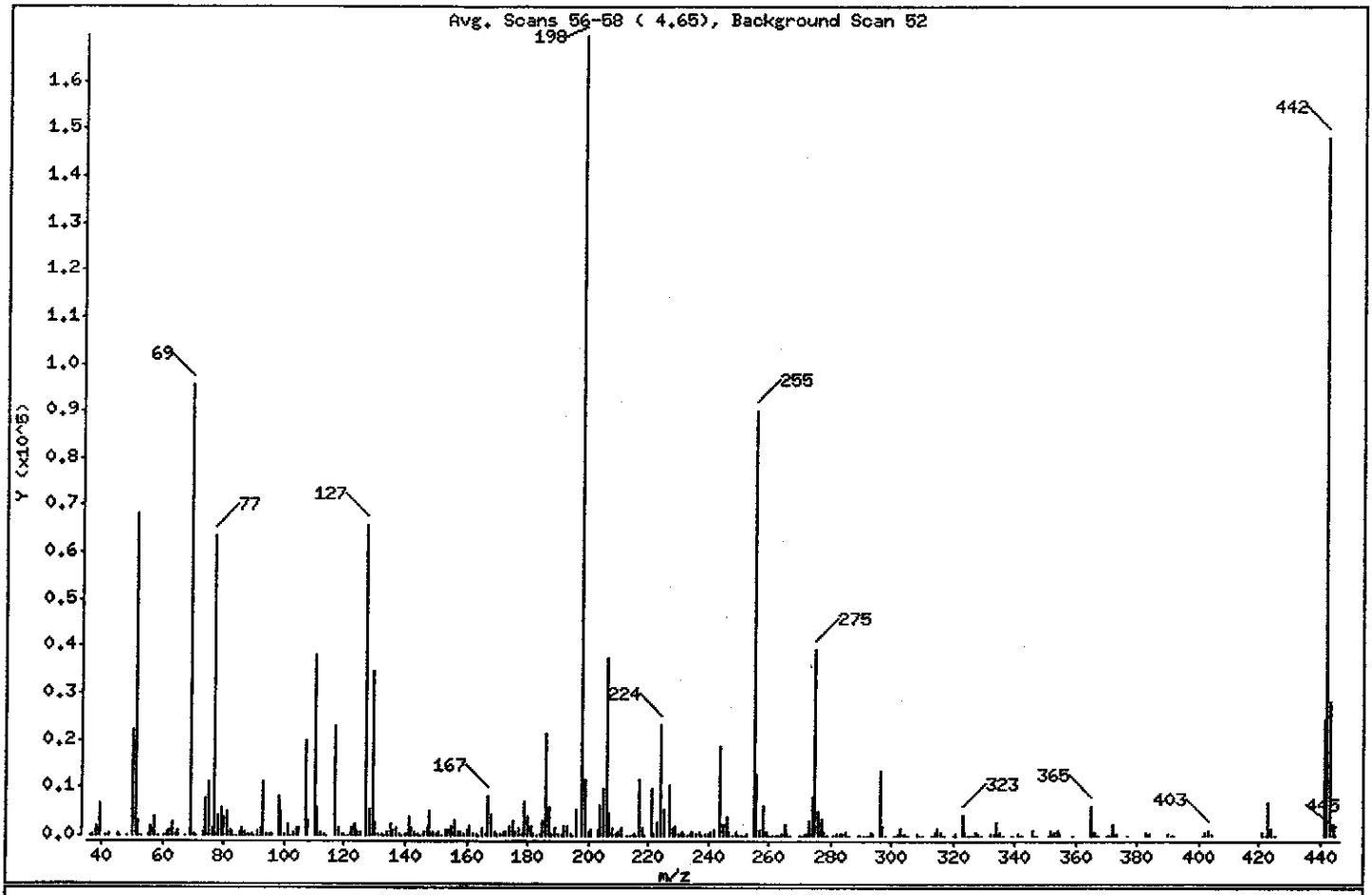
Sample Info: DFTPP1V,DFTPP1V

Operator: KC

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	40.17
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	56.30
70	Less than 2.00% of mass 69	0.27 (0.48)
127	25.00 - 75.00% of mass 198	38.83
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.86
275	10.00 - 30.00% of mass 198	23.26
365	Greater than 0.75% of mass 198	3.75
441	Present, but less than mass 443	14.48
442	40.00 - 110.00% of mass 198	87.40
443	15.00 - 24.00% of mass 442	16.79 (19.21)

Date : 19-MAY-2005 12:58

Client ID: DFTPP1V Instrument: S1.i

Sample Info: DFTPP1V,DFTPP1V

Operator: KC

Column phase: DB-5MS Column diameter: 0.25

Data File: S1E4486.D

Spectrum: Avg. Scans 56-58 (4.65), Background Scan 52

Location of Maximum: 198.00

Number of points: 299

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	61	127.00	65856	204.00	6074	289.00	157
37.00	460	128.00	5309	205.00	9682	290.00	77
38.00	1763	129.00	34728	206.00	37440	291.00	65
39.00	6755	130.00	2732	207.00	4731	292.00	179
41.00	64	131.00	428	208.00	1416	293.00	782
42.00	272	132.00	197	209.00	301	294.00	227
45.00	262	133.00	47	210.00	890	296.00	13835
46.00	30	134.00	942	211.00	1484	297.00	1833
48.00	62	135.00	2172	213.00	116	298.00	113
50.00	22408	136.00	1003	214.00	40	301.00	161
51.00	68128	137.00	1369	215.00	454	302.00	276
52.00	3303	138.00	330	216.00	165	303.00	1499
53.00	49	139.00	52	217.00	11597	304.00	427
55.00	399	140.00	232	218.00	1462	305.00	49
56.00	2098	141.00	3985	219.00	122	308.00	219
57.00	4086	142.00	1403	221.00	9891	309.00	75
58.00	176	143.00	938	222.00	253	310.00	160
60.00	168	144.00	310	223.00	2702	313.00	78
61.00	809	145.00	147	224.00	23208	314.00	657
62.00	1097	146.00	802	225.00	5365	315.00	1499
63.00	2565	147.00	1720	227.00	10608	316.00	714
64.00	340	148.00	5173	228.00	1469	317.00	55
65.00	1163	149.00	970	229.00	1975	320.00	59
67.00	113	150.00	296	230.00	247	321.00	420
69.00	95488	151.00	616	231.00	920	323.00	4192
70.00	460	152.00	172	232.00	247	324.00	843
71.00	29	153.00	1353	233.00	187	325.00	36
73.00	626	154.00	1022	234.00	617	326.00	92
74.00	7859	155.00	2063	235.00	625	327.00	903
75.00	11120	156.00	3018	236.00	473	328.00	417
76.00	1718	157.00	788	237.00	688	329.00	102
77.00	63504	158.00	788	238.00	102	332.00	344
78.00	4325	159.00	570	239.00	451	333.00	432
79.00	5733	160.00	1242	240.00	357	334.00	2576
80.00	4025	161.00	1924	241.00	661	335.00	671

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4486.D

Date : 19-MAY-2005 12:58

Client ID: DFTPP1V

Instrument: S1.i

Sample Info: DFTPP1V,DFTPP1V

Operator: KC

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1E4486.D

Spectrum: Avg. Scans 56-58 (4.65), Background Scan 52

Location of Maximum: 198.00

Number of points: 299

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	5095	162.00	518	242.00	1204	336.00	43
82.00	1143	163.00	232	244.00	18792	339.00	82
83.00	905	164.00	162	245.00	2399	341.00	537
84.00	149	165.00	1460	246.00	3713	342.00	113
85.00	694	166.00	497	247.00	752	346.00	1112
86.00	1737	167.00	8311	248.00	177	347.00	87
87.00	798	168.00	4314	249.00	639	351.00	35
88.00	310	169.00	757	250.00	137	352.00	1235
89.00	211	170.00	254	251.00	178	353.00	959
90.00	44	171.00	376	252.00	127	354.00	1193
91.00	1347	172.00	834	253.00	409	355.00	276
92.00	1384	173.00	865	255.00	89936	359.00	86
93.00	11384	174.00	1819	256.00	12991	365.00	6368
94.00	568	175.00	3062	257.00	1114	366.00	896
95.00	197	176.00	895	258.00	6214	367.00	50
96.00	499	177.00	1565	259.00	967	370.00	133
98.00	8109	178.00	376	260.00	174	371.00	158
99.00	5089	179.00	6993	261.00	121	372.00	2185
100.00	499	180.00	3917	262.00	36	373.00	514
101.00	2412	181.00	2009	263.00	50	377.00	34
102.00	179	182.00	369	264.00	246	383.00	617
103.00	852	183.00	160	265.00	2520	384.00	197
104.00	1725	184.00	443	266.00	456	390.00	305
105.00	1587	185.00	3030	267.00	91	391.00	181
107.00	19888	186.00	21400	270.00	67	392.00	128
108.00	3090	187.00	5834	271.00	122	401.00	124
110.00	38320	188.00	494	272.00	296	402.00	788
111.00	5969	189.00	1496	273.00	2961	403.00	1186
112.00	732	190.00	230	274.00	8085	404.00	431
113.00	344	191.00	525	275.00	39448	421.00	945
114.00	145	192.00	2046	276.00	4998	422.00	145
117.00	22832	193.00	1994	277.00	3460	423.00	7031
118.00	1480	194.00	445	278.00	699	424.00	1409
119.00	226	195.00	87	279.00	139	425.00	159
120.00	335	196.00	5416	281.00	75	441.00	24552

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4486.D

Date : 19-MAY-2005 12:58

Client ID: DFTPP1V

Instrument: S1.i

Sample Info: DFTPP1V,DFTPP1V

Operator: KC

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1E4486.D

Spectrum: Avg. Scans 56-58 (4.65), Background Scan 52

Location of Maximum: 198.00

Number of points: 299

m/z	Y	m/z	Y	m/z	Y	m/z	Y
121.00	181	198.00	169600	282.00	228	442.00	148224
122.00	1589	199.00	11633	283.00	395	443.00	28472
123.00	2305	200.00	796	284.00	298	444.00	2445
124.00	1222	201.00	1077	285.00	607	445.00	78
125.00	871	203.00	1160	286.00	124		

Data File: \\AVOCADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4486.D

Date : 19-MAY-2005 12:58

Client ID: DFTPP1V

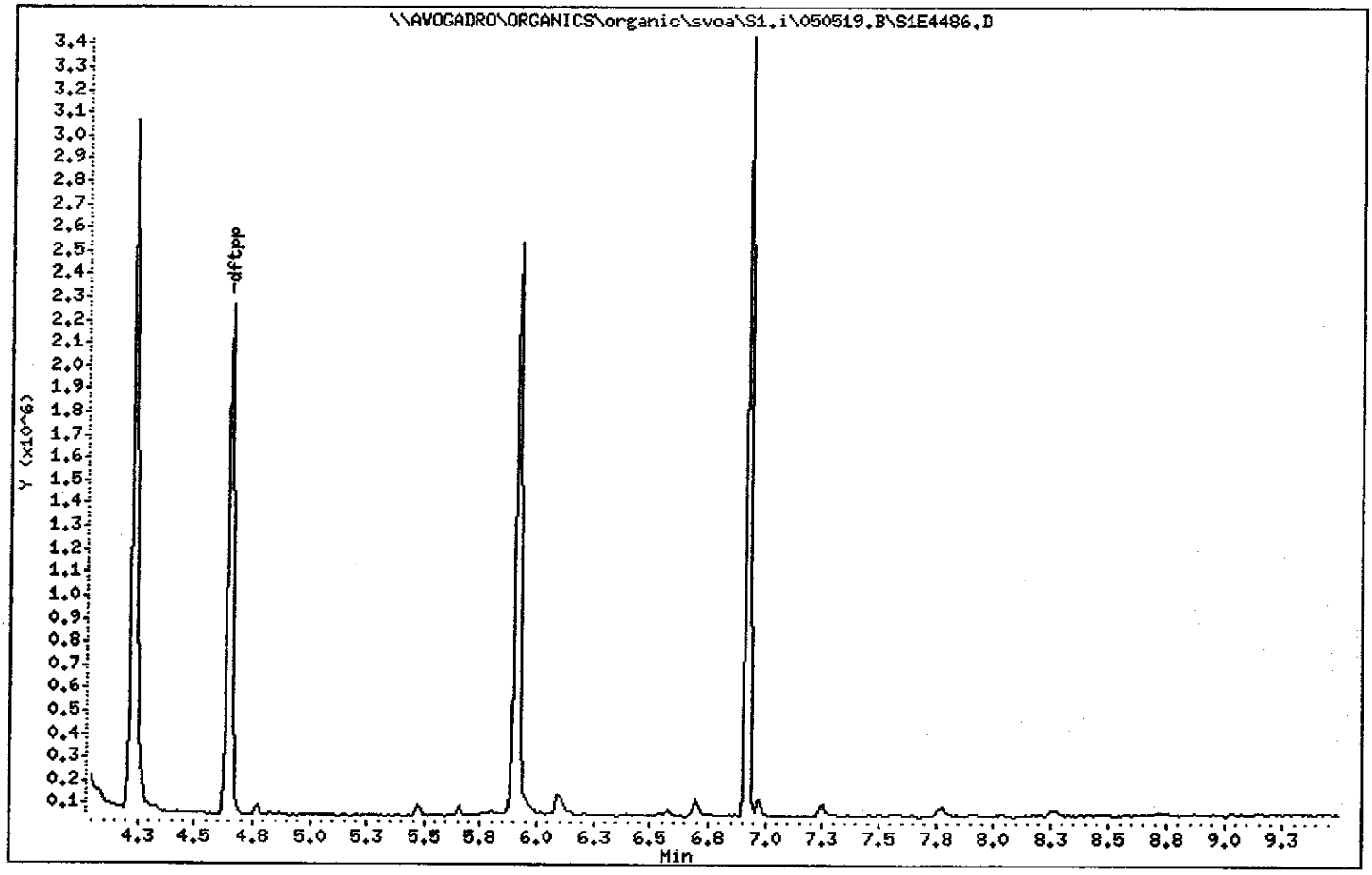
Instrument: S1.i

Sample Info: DFTPP1V,DFTPP1V

Operator: KC

Column phase: DB-5MS

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4505A.D

Date : 25-MAY-2005 08:36

Client ID: DFTPP1W

Instrument: S1.i

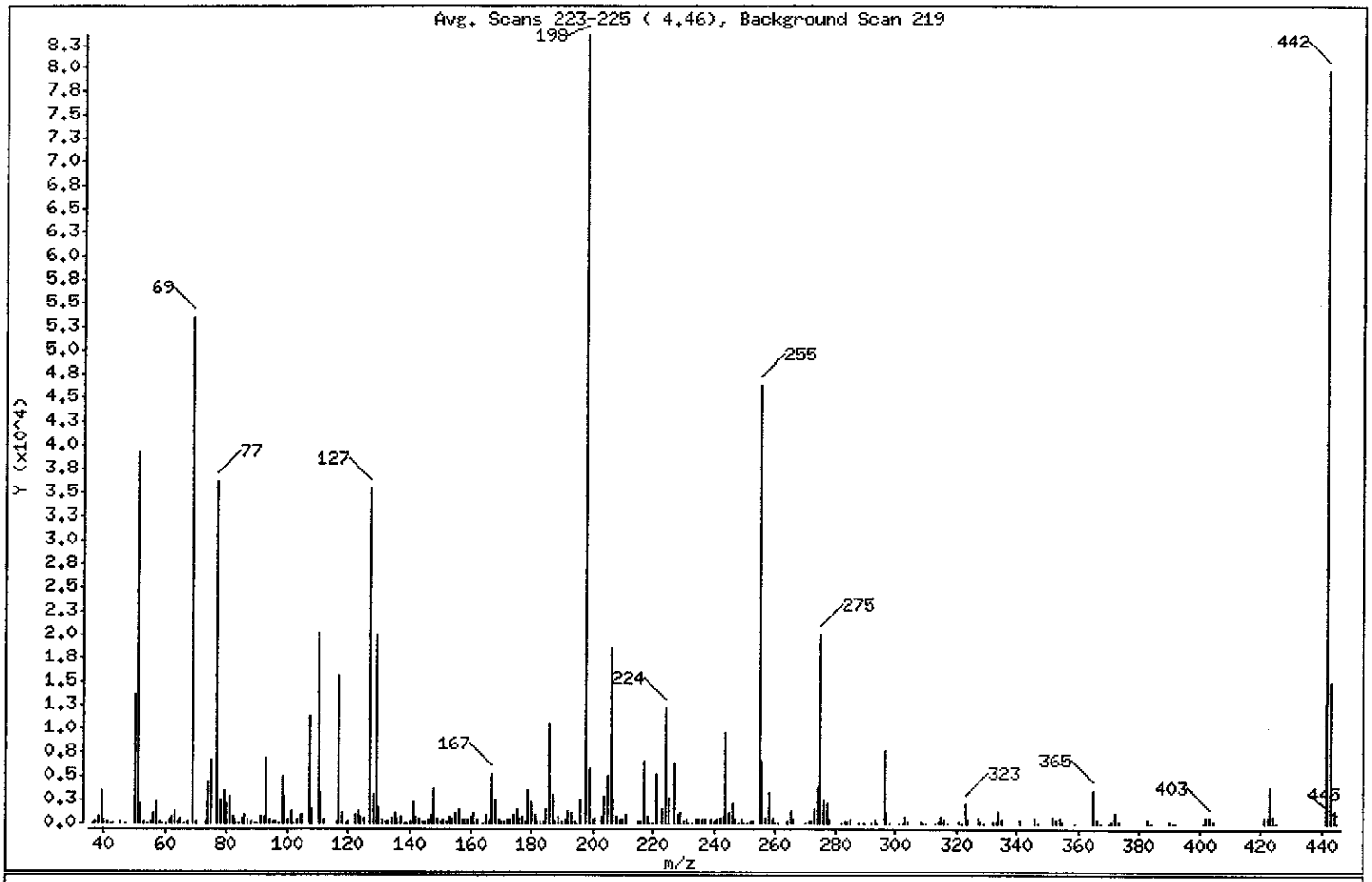
Sample Info: DFTPP1W,DFTPP1W

Operator: AW

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	47.10
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	64.12
70	Less than 2.00% of mass 69	0.18 (0.28)
127	25.00 - 75.00% of mass 198	42.31
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.84
275	10.00 - 30.00% of mass 198	23.94
365	Greater than 0.75% of mass 198	4.18
441	Present, but less than mass 443	15.19
442	40.00 - 110.00% of mass 198	95.39
443	15.00 - 24.00% of mass 442	18.03 (18.90)

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4505A.D

Date : 25-MAY-2005 08:36

Client ID: DFTPP1W

Instrument: S1.i

Sample Info: DFTPP1W,DFTPP1W

Operator: AW

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1E4505A.D
Spectrum: Avg. Scans 223-225 (4.46), Background Scan 219
Location of Maximum: 198.00
Number of points: 283

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	92	120.00	150	194.00	258	282.00	75
37.00	236	122.00	1043	195.00	37	283.00	225
38.00	817	123.00	1324	196.00	2519	284.00	117
39.00	3549	124.00	781	198.00	83560	285.00	333
40.00	324	125.00	484	199.00	5719	288.00	41
41.00	131	127.00	35352	200.00	431	289.00	58
42.00	61	128.00	3026	201.00	603	290.00	39
43.00	70	129.00	20000	203.00	683	292.00	44
45.00	128	130.00	1800	204.00	2920	293.00	400
47.00	41	131.00	328	205.00	5087	294.00	53
50.00	13625	132.00	213	206.00	18744	296.00	7777
51.00	39352	133.00	100	207.00	2424	297.00	1068
52.00	2179	134.00	535	208.00	751	298.00	47
53.00	103	135.00	1121	209.00	311	301.00	75
54.00	95	136.00	577	210.00	302	302.00	61
55.00	190	137.00	766	211.00	952	303.00	759
56.00	1244	138.00	62	215.00	270	304.00	197
57.00	2380	139.00	92	216.00	150	308.00	97
58.00	132	140.00	114	217.00	6549	309.00	37
59.00	44	141.00	2380	218.00	808	310.00	57
60.00	45	142.00	813	219.00	46	313.00	34
61.00	468	143.00	543	220.00	51	314.00	200
62.00	714	144.00	120	221.00	5153	315.00	790
63.00	1419	145.00	115	223.00	1519	316.00	397
64.00	239	146.00	453	224.00	12065	317.00	36
65.00	616	147.00	1034	225.00	2743	321.00	211
66.00	83	148.00	3567	227.00	6431	322.00	48
67.00	132	149.00	522	228.00	897	323.00	2142
69.00	53576	150.00	147	229.00	1126	324.00	414
70.00	151	151.00	315	230.00	238	327.00	541
73.00	205	152.00	119	231.00	435	328.00	181
74.00	4511	153.00	683	232.00	88	329.00	38
75.00	6740	154.00	502	233.00	38	332.00	163
77.00	36160	155.00	1083	234.00	439	333.00	148
78.00	2520	156.00	1540	235.00	303	334.00	1423

Data File: \\AWOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4505A.D

Date : 25-MAY-2005 08:36

Client ID: DFTPP1W

Instrument: S1.i

Sample Info: DFTPP1W,DFTPP1W

Operator: AW

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1E4505A.D
Spectrum: Avg. Scans 223-225 (4.46), Background Scan 219
Location of Maximum: 198.00
Number of points: 283

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	3476	157.00	358	236.00	366	335.00	353
80.00	2201	158.00	392	237.00	344	341.00	290
81.00	2907	159.00	290	239.00	290	346.00	527
82.00	692	160.00	767	240.00	165	347.00	43
83.00	382	161.00	1059	241.00	294	352.00	709
84.00	46	162.00	307	242.00	600	353.00	430
85.00	482	164.00	96	243.00	835	354.00	637
86.00	1057	165.00	908	244.00	9665	355.00	97
87.00	356	166.00	374	245.00	1175	359.00	37
88.00	114	167.00	5233	246.00	2096	365.00	3489
89.00	36	168.00	2508	247.00	463	366.00	411
90.00	35	169.00	421	248.00	62	367.00	34
91.00	787	170.00	143	249.00	371	370.00	37
92.00	825	171.00	224	250.00	88	371.00	155
93.00	6965	172.00	426	251.00	69	372.00	1219
94.00	358	173.00	464	252.00	114	373.00	239
95.00	158	174.00	993	253.00	199	383.00	345
96.00	268	175.00	1550	255.00	46456	384.00	52
97.00	48	176.00	517	256.00	6534	390.00	207
98.00	4916	177.00	861	257.00	512	391.00	39
99.00	2921	178.00	144	258.00	3274	392.00	38
100.00	327	179.00	3444	259.00	505	401.00	41
101.00	1387	180.00	2392	260.00	69	402.00	509
102.00	91	181.00	976	261.00	55	403.00	671
103.00	473	182.00	144	264.00	141	404.00	193
104.00	1013	183.00	102	265.00	1300	421.00	556
105.00	895	184.00	160	266.00	302	422.00	521
107.00	11327	185.00	1492	270.00	56	423.00	3855
108.00	1587	186.00	10567	271.00	162	424.00	712
110.00	20184	187.00	3007	272.00	120	425.00	62
111.00	3202	188.00	252	273.00	1530	441.00	12691
112.00	410	189.00	744	274.00	3839	442.00	79712
116.00	110	190.00	154	275.00	20000	443.00	15063
117.00	15645	191.00	352	276.00	2540	444.00	1314
118.00	1062	192.00	1363	277.00	2137	445.00	88

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4505A.D

Date : 25-MAY-2005 08:36

Client ID: DFTPP1W

Instrument: S1.i

Sample Info: DFTPP1W,DFTPP1W

Operator: AW

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1E4505A.D
Spectrum: Avg. Scans 223-225 (4.46), Background Scan 219
Location of Maximum: 198.00
Number of points: 283

m/z	Y	m/z	Y	m/z	Y	m/z	Y
119.00	41	193.00	1203	278.00	341		

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4505A.D

Date : 25-MAY-2005 08:36

Client ID: DFTPP1W

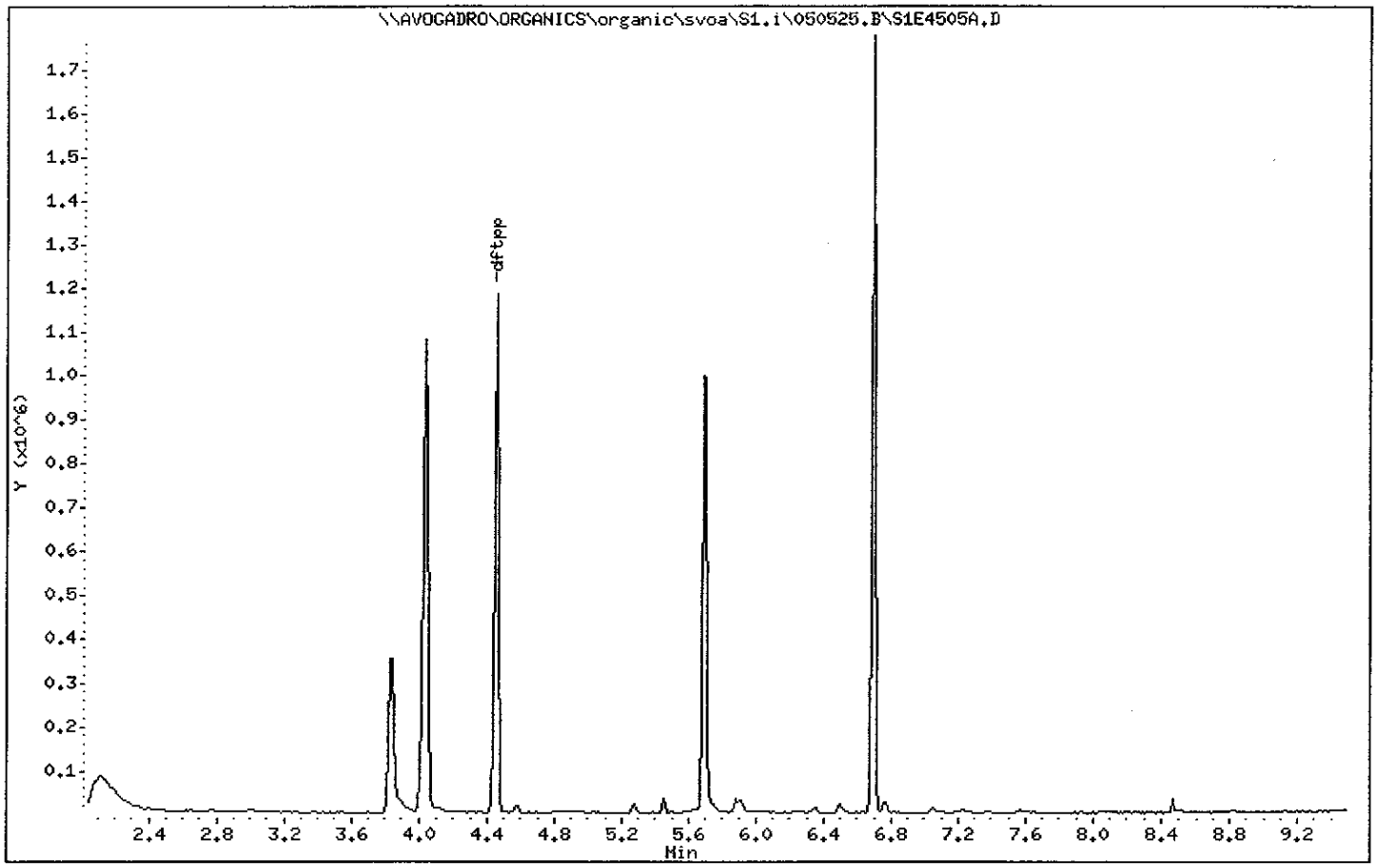
Instrument: S1.i

Sample Info: DFTPP1W,DFTPP1W

Operator: AW

Column phase: DB-5MS

Column diameter: 0.25



SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: MB-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4510

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: MB-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4510

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLK1X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: MB-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4510

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Extraction: (Type) SONC

Number TICs found: 0

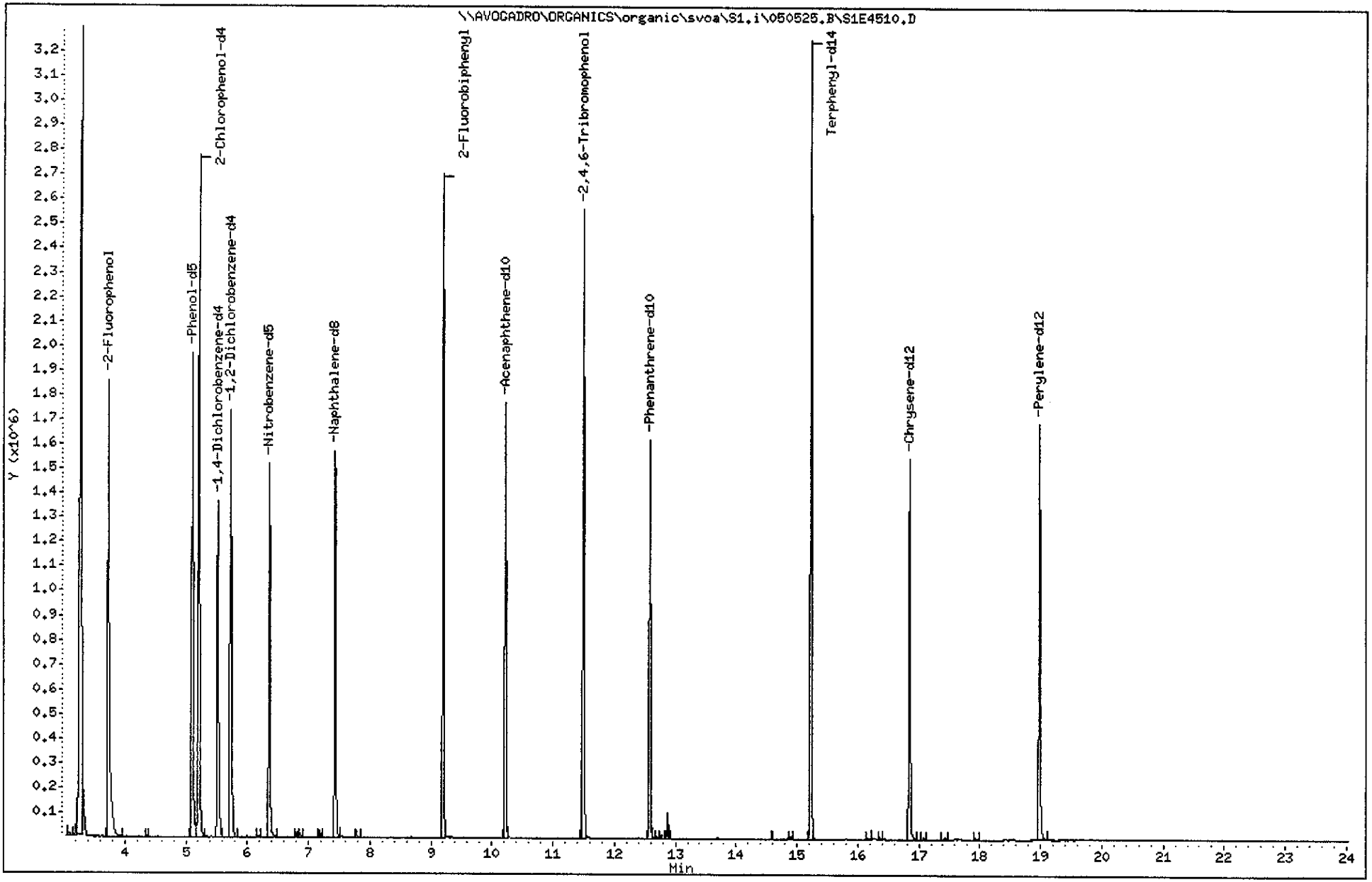
CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4510.D
Date : 25-MAY-2005 11:04
Client ID: SBLK1X
Sample Info: MB-18109,SBLK1X,18109
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S1.i

Operator: AW SRC: LIMS
Column diameter: 0.25



0200

Data File: S1E4510.D
Report Date: 26-May-2005 15:51

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4510.D
Lab Smp Id: MB-18109 Client Smp ID: SBLK1X
Inj Date : 25-MAY-2005 11:04
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : MB-18109,SBLK1X,18109
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.000	% Moisture

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$	1 2-Fluorophenol	112	3.736	3.726	(0.677)	821624	90.9828	1500
$	3 Phenol-d5	99	5.108	5.098	(0.926)	924199	91.2791	1500
$	6 2-Chlorophenol-d4	132	5.205	5.206	(0.943)	1000852	92.0031	1500
*	8 1,4-Dichlorobenzene-d4	152	5.519	5.520	(1.000)	329414	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.734	5.736	(1.039)	415386	53.8130	900
$	16 Nitrobenzene-d5	82	6.361	6.373	(0.855)	613255	64.5768	1100
*	23 Naphthalene-d8	136	7.441	7.443	(1.000)	1105742	40.0000	
$	33 2-Fluorobiphenyl	172	9.192	9.204	(0.900)	1160204	66.2810	1100
*	41 Acenaphthene-d10	164	10.218	10.219	(1.000)	571539	40.0000	
$	53 2,4,6-Tribromophenol	330	11.493	11.505	(0.913)	500918	104.122	1700
*	58 Phenanthrene-d10	188	12.595	12.596	(1.000)	901246	40.0000	
$	65 Terphenyl-d14	244	15.231	15.232	(0.904)	1515039	97.1550	1600
*	69 Chrysene-d12	240	16.851	16.863	(1.000)	829293	40.0000	
*	76 Perylene-d12	264	18.980	18.992	(1.000)	888495	40.0000	

5/26/05

Data File: S1E4510.D
Report Date: 26-May-2005 15:51

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4510.D
Lab Smp Id: MB-18109 Client Smp ID: SBLK1X
Inj Date : 25-MAY-2005 11:04
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : MB-18109,SBLK1X,18109
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1XLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18109

Sample wt/vol: 30.0(g/mL) G Lab File ID: S1E4511

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 05/13/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	1600	
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	1600	
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	900	
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	1700	
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	1300	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1XLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0523

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4511

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

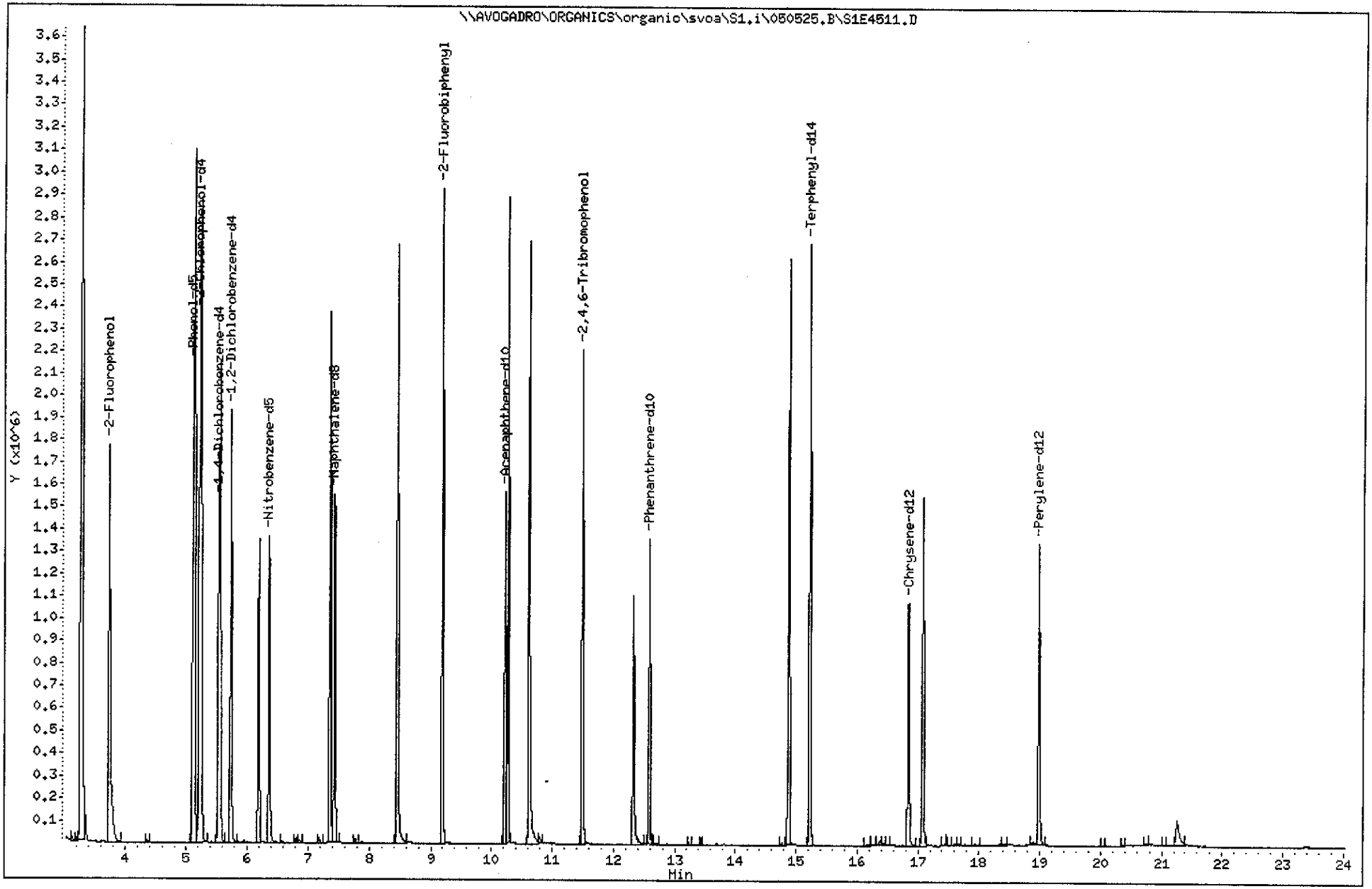
GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	1900	
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	1200	
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	1600	
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	1700	
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	1100	
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4511.D
Date : 25-MAY-2005 11:36
Client ID: S1XLCS
Sample Info: LCS-18109,S1XLCS,18109
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S1.i
Operator: AW SRC: LIMS
Column diameter: 0.25



0205

Data File: S1E4511.D
Report Date: 25-May-2005 14:43

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4511.D
Lab Smp Id: LCS-18109 Client Smp ID: S1XLCS
Inj Date : 25-MAY-2005 11:36
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : LCS-18109,S1XLCS,18109
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D ✓
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.000	% Moisture

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$	1 2-Fluorophenol	112	3.747	3.726	(0.679)	853010	95.7910	1600
$	3 Phenol-d5	99	5.109	5.098	(0.926)	864314	86.5689	1400
	4 Phenol ✓	94	5.130	5.120	(0.930)	933610	93.3184	1600
$	6 2-Chlorophenol-d4	132	5.206	5.206	(0.943)	973637	90.7641	1500
	7 2-Chlorophenol ✓	128	5.238	5.228	(0.949)	930881	94.0188	1600
*	8 1,4-Dichlorobenzene-d4	152	5.519	5.520	(1.000)	324831	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.735	5.736	(1.039)	408027	53.6055	890
	14 N-Nitroso-di-n-propylamine ✓	70	6.189	6.200	(1.121)	350827	54.1955	900
$	16 Nitrobenzene-d5	82	6.362	6.373	(0.855)	598596	63.0477	1100
*	23 Naphthalene-d8	136	7.442	7.443	(1.000)	1105487	40.0000	
	28 4-Chloro-3-Methylphenol ✓	107	8.458	8.480	(1.136)	696708	103.494	1700
$	33 2-Fluorobiphenyl	172	9.192	9.204	(0.900)	1157146	72.3799	1200
*	41 Acenaphthene-d10	164	10.219	10.219	(1.000)	522000	40.0000	

Data File: S1E4511.D
Report Date: 25-May-2005 14:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
	42 Acenaphthene	153	10.273	10.273	(1.005)	1007671	78.9161	1300
	44 4-Nitrophenol	109	10.618	10.630	(1.039)	258325	111.782	1900
	46 2,4-Dinitrotoluene	165	10.618	10.630	(1.039)	387819	70.2529	1200
$	53 2,4,6-Tribromophenol	330	11.494	11.505	(0.913)	450105	109.278	1800
	57 Pentachlorophenol	266	12.325	12.337	(0.979)	214918	95.4886	1600
*	58 Phenanthrene-d10	188	12.596	12.596	(1.000)	771615	40.0000	
	64 Pyrene	202	14.886	14.886	(0.883)	1616293	100.241	1700
$	65 Terphenyl-d14	244	15.232	15.232	(0.904)	1181761	95.9734	1600
*	69 Chrysene d12	240	16.852	16.863	(1.000)	654829	40.0000	
	71 bis(2-Ethylhexyl)phthalate	149	17.079	17.079	(1.013)	799359	65.5898	1100
*	76 Perylene-d12	264	18.980	18.992	(1.000)	684521	40.0000	

0207

MIT

0208

COLUMN ID: C5

Position #	Date
1	5.19.05
2	
3	
4	
5	5.19.5
6	
7	
8	
9	
10	
11	
12	
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14	
15	
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20	
21	
22	
23	

Logbook ID 50.01 7.1

Acceptance Criteria: C

Rate: 5.09 mL/min

OGBOOK

TION VOLUME: 5mL

ents

PRINTED IN U.S.A.

SRC 1 05052619 UV1

SMOA Dwnr scope

Collect 15.00

Wash 10.00

Rest Dwnr 2.00

Collect 18.00

Wash 1.00

Start Pressure

Desalination 94%

Sulfur

Cedar Oil

Methoxyresol

Bellp

Eugenol

1093

100 90 80 70 60 50 40 30 20 10 0

MIT PRALEL PREP LW

MITKE … BOOK

COLUMN ID: 5.X3.…

N VOLUME: 5ml

Date	Position #	
5.13.05	1	05
	2	
	3	
	4	
5.13.05	5	6
	6	
	7	
	8	
	9	
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	11	
	12	
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	15	
	16	
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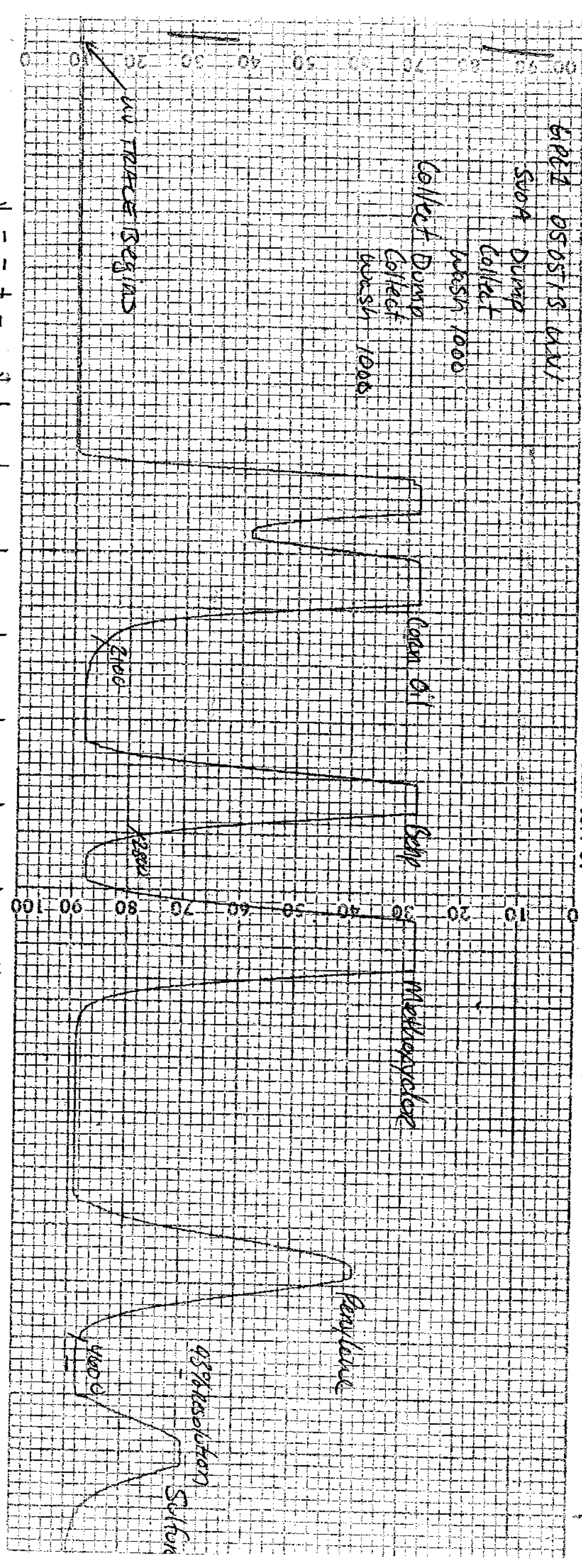
	18	
	19	
	20	
	21	
	22	
	23	



5.08ml/min

Logbook ID 50.0187-11/0

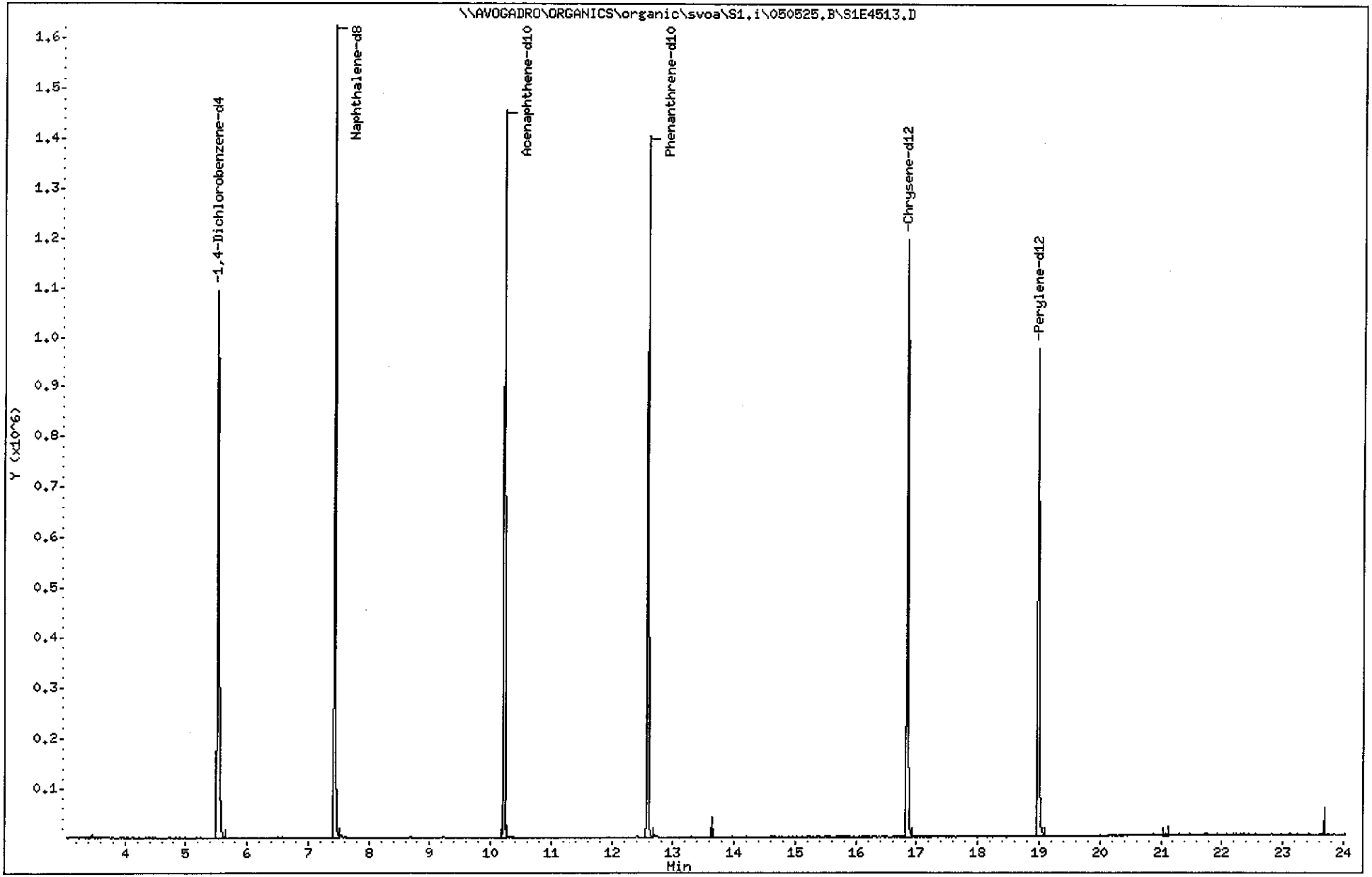
Acceptance Criteria: Corn oil &
Phthala
Methox
Perylen

Revie

Data Fi.. \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4513.D
Date : 25-MAY-2005 13:10
Client ID:
Sample Info: GPC-CHECK-SB1
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S1.i

Operator: AW SRC: AW
Column diameter: 0.25



0210

Data File: S1E4513.D
Report Date: 25-May-2005 14:45

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4513.D
Lab Smp Id: GPC-CHECK-SB1
Inj Date : 25-MAY-2005 13:10
Operator : AW SRC: AW Inst ID: S1.i
Smp Info : GPC-CHECK-SB1
Misc Info : 050519
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)

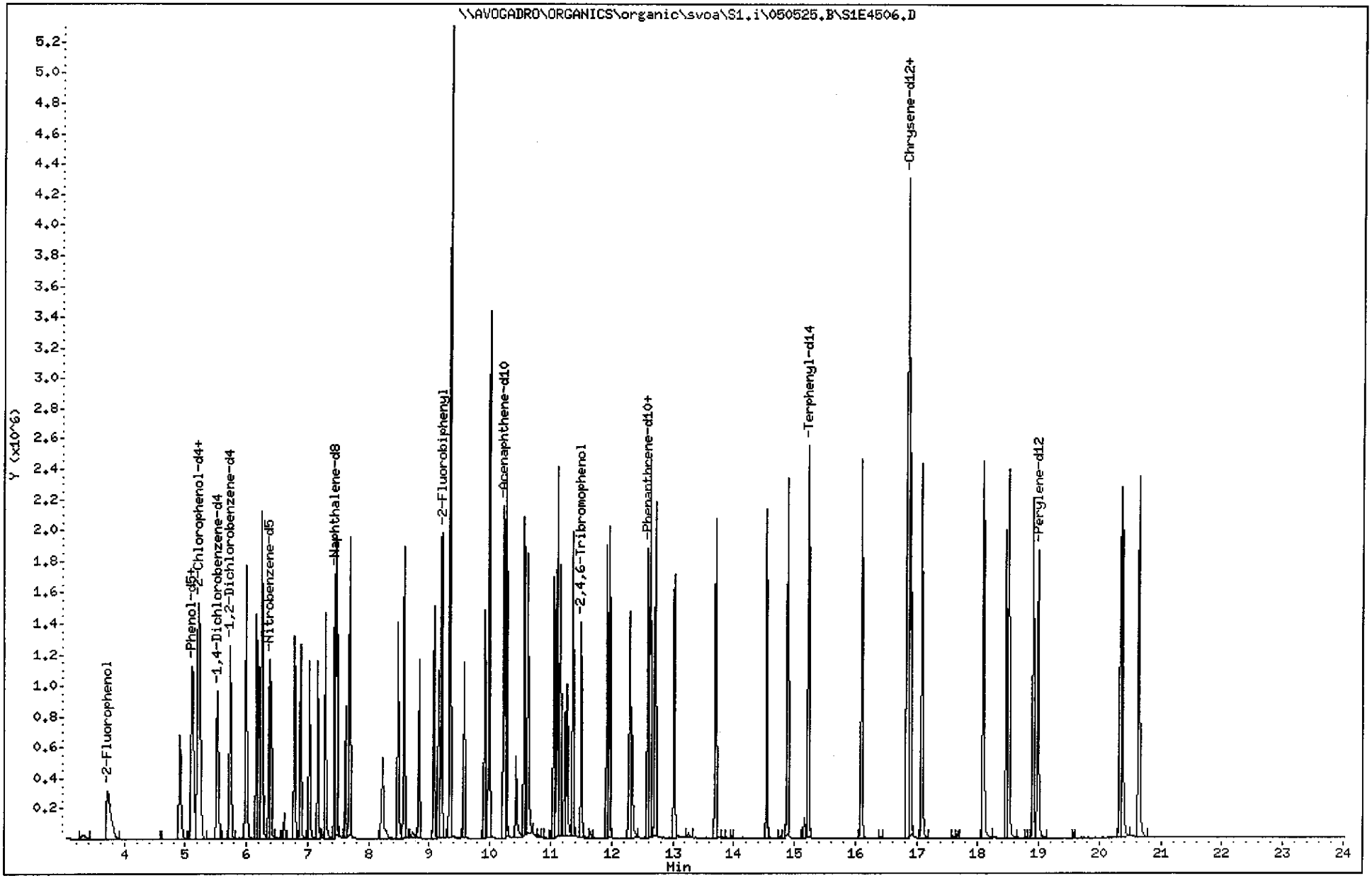
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 8 1,4-Dichlorobenzene-d4	152	5.510	5.520	(1.000)	286726	40.0000	
* 23 Naphthalene-d8	136	7.433	7.443	(1.000)	980410	40.0000	
* 41 Acenaphthene-d10	164	10.210	10.219	(1.000)	468662	40.0000	
* 58 Phenanthrene-d10	188	12.586	12.596	(1.000)	667867	40.0000	
* 69 Chrysene-d12	240	16.843	16.863	(1.000)	627068	40.0000	
* 76 Perylene-d12	264	18.982	18.992	(1.000)	573023	40.0000	

05/26/05
AW

Data Fi.. \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4506.D
Date : 25-MAY-2005 08:53
Client ID: SSTD0501W
Sample Info: SSTD0501W,SSTD0501W

Instrument: S1.i

Operator: AW SRC: AW
Column phase: DB-5MS
Column diameter: 0.25



0212

Data File: S1E4506.D
Report Date: 25-May-2005 14:34

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4506.D
Lab Smp Id: SSTD0501W Client Smp ID: SSTD0501W
Inj Date : 25-MAY-2005 08:53
Operator : AW SRC: AW Inst ID: S1.i
Smp Info : SSTD0501W,SSTD0501W
Misc Info : 2,2,SSTD050,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
$	1	2-Fluorophenol	112	3.726	3.726	(0.675)	407277	50.0000	46
	2	Benzaldehyde	77	4.904	4.904	(0.888)	268669	50.0000	72
$	3	Phenol-d5	99	5.098	5.098	(0.924)	456636	50.0000	54
	4	Phenol	94	5.120	5.120	(0.928)	457571	50.0000	57
	5	bis(2-Chloroethyl)Ether	93	5.196	5.196	(0.941)	317860	50.0000	46
$	6	2-Chlorophenol-d4	132	5.206	5.206	(0.943)	490618	50.0000	51
	7	2-Chlorophenol	128	5.228	5.228	(0.947)	452835	50.0000	53
*	8	1,4-Dichlorobenzene-d4	152	5.520	5.520	(1.000)	297131	40.0000	
$	9	1,2-Dichlorobenzene-d4	152	5.736	5.736	(1.039)	348129	50.0000	50
	10	2-Methylphenol	108	5.995	5.995	(1.086)	328658	50.0000	55
	11	2,2'-oxybis(1-Chloropropane)	45	5.984	5.984	(1.084)	522349	50.0000	56
	12	Acetophenone	105	6.157	6.157	(1.115)	541533	50.0000	56
	13	4-Methylphenol	108	6.233	6.233	(1.129)	352891	50.0000	54
	14	N-Nitroso-di-n-propylamine	70	6.200	6.200	(1.123)	296067	50.0000	60
	15	Hexachloroethane	117	6.243	6.243	(1.131)	236147	50.0000	54
$	16	Nitrobenzene-d5	82	6.373	6.373	(0.856)	482857	50.0000	44
	17	Nitrobenzene	77	6.406	6.406	(0.861)	435644	50.0000	45
	18	Isophorone	82	6.784	6.784	(0.911)	742907	50.0000	46
	19	2-Nitrophenol	139	6.881	6.881	(0.925)	292685	50.0000	46
	20	2,4-Dimethylphenol	107	7.032	7.032	(0.945)	290778	50.0000	50
	21	bis(2-Chloroethoxy)methane	93	7.162	7.162	(0.962)	440545	50.0000	49
	22	2,4-Dichlorophenol	162	7.281	7.281	(0.978)	386334	50.0000	39
*	23	Naphthalene-d8	136	7.443	7.443	(1.000)	1124444	40.0000	
	24	Naphthalene	128	7.475	7.475	(1.004)	1149225	50.0000	45
	25	4-Chloroaniline	127	7.615	7.615	(1.023)	368539	50.0000	48
	26	Hexachlorobutadiene	225	7.691	7.691	(1.033)	303333	50.0000	41

Data File: S1E4506.D
Report Date: 25-May-2005 14:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ng)	ON-COL (ng)
	27 Caprolactam	113	8.231	8.231	(1.106)	127962	50.0000	55
	28 4-Chloro-3-Methylphenol	107	8.480	8.480	(1.139)	342366	50.0000	46
	29 2-Methylnaphthalene	142	8.577	8.577	(1.152)	748304	50.0000	42
	30 Hexachlorocyclopentadiene	237	8.825	8.825	(0.864)	233174	50.0000	38
	31 2,4,6-Trichlorophenol	196	9.074	9.074	(0.888)	287890	50.0000	42
	32 2,4,5-Trichlorophenol	196	9.150	9.150	(0.895)	306045	50.0000	39
$	33 2-Fluorobiphenyl	172	9.204	9.204	(0.901)	948053	50.0000	41
	34 1,1'-Biphenyl	154	9.344	9.344	(0.914)	1100580	50.0000	48
	35 2-Chloronaphthalene	162	9.344	9.344	(0.914)	869830	50.0000	48
	36 2-Nitroaniline	65	9.571	9.571	(0.937)	278004	50.0000	54
	37 Dimethylphthalate	163	9.906	9.906	(0.969)	888937	50.0000	41
	38 2,6-Dinitrotoluene	165	9.992	9.992	(0.978)	256520	50.0000	49
	39 Acenaphthylene	152	9.992	9.992	(0.978)	1261622	50.0000	49
	40 3-Nitroaniline	138	10.241	10.241	(1.002)	253373	50.0000	53
*	41 Acenaphthene-d10	164	10.219	10.219	(1.000)	619103	40.0000	
	42 Acenaphthene	153	10.273	10.273	(1.005)	757209	50.0000	45
	43 2,4-Dinitrophenol	184	10.424	10.424	(1.020)	134911	50.0000	32
	44 4-Nitrophenol	109	10.630	10.630	(1.040)	137043	50.0000	42
	45 Dibenzofuran	168	10.554	10.554	(1.033)	1196363	50.0000	45
	46 2,4-Dinitrotoluene	165	10.630	10.630	(1.040)	327361	50.0000	45
	47 Diethylphthalate	149	11.051	11.051	(1.081)	1066543	50.0000	47
	48 Fluorene	166	11.105	11.105	(1.087)	922795	50.0000	46
	49 4-Chlorophenyl-phenylether	204	11.159	11.159	(1.092)	470954	50.0000	46
	50 4-Nitroaniline	138	11.235	11.235	(1.099)	230124	50.0000	64
	51 4,6-Dinitro-2-methylphenol	198	11.278	11.278	(0.889)	212091	50.0000	43
	52 N-Nitrosodiphenylamine	169	11.364	11.364	(0.896)	619055	50.0000	45
$	53 2,4,6-Tribromophenol	330	11.505	11.505	(0.907)	271894	50.0000	50
	54 4-Bromophenyl-phenylether	248	11.926	11.926	(0.940)	331449	50.0000	49
	55 Hexachlorobenzene	284	11.969	11.969	(0.944)	418528	50.0000	51
	56 Atrazine	200	12.304	12.304	(0.970)	237986	50.0000	44 (H)
	57 Pentachlorophenol	266	12.337	12.337	(0.973)	148573	50.0000	35
*	58 Phenanthrene-d10	188	12.596	12.596	(1.000)	1018707	40.0000	(H)
	59 Phenanthrene	178	12.639	12.639	(0.997)	1335340	50.0000	47 (H)
	60 Anthracene	178	12.715	12.715	(1.003)	1307548	50.0000	49
	61 Carbazole	167	13.028	13.028	(1.027)	1163357	50.0000	50
	62 Di-n-butylphthalate	149	13.698	13.698	(1.080)	1750976	50.0000	47
	63 Fluoranthene	202	14.541	14.541	(1.147)	1363216	50.0000	45
	64 Pyrene	202	14.886	14.886	(0.883)	1559211	50.0000	38
$	65 Terphenyl-d14	244	15.232	15.232	(0.903)	1190716	50.0000	39
	66 Butylbenzylphthalate	149	16.096	16.096	(0.955)	911874	50.0000	45
	67 3,3'-Dichlorobenzidine	252	16.863	16.863	(1.000)	475074	50.0000	50
	68 Benzo(a)anthracene	228	16.842	16.842	(0.999)	1593461	50.0000	41 (H)
*	69 Chrysene-d12	240	16.863	16.863	(1.000)	1266448	40.0000	
	70 Chrysene	228	16.907	16.907	(1.003)	1364307	50.0000	38
	71 bis(2-Ethylhexyl)phthalate	149	17.079	17.079	(1.013)	1178514	50.0000	43
	72 Di-n-octylphthalate	149	18.084	18.084	(0.952)	2171652	50.0000	54
	73 Benzo(b)fluoranthene	252	18.473	18.473	(0.973)	1727239	50.0000	43

Data File: S1E4506.D
Report Date: 25-May-2005 14:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	74 Benzo(k)fluoranthene	252	18.516	18.516	(0.975)	1689985	50.0000	45
	75 Benzo(a)pyrene	252	18.916	18.916	(0.996)	1438842	50.0000	48
*	76 Perylene-d12	264	18.992	18.992	(1.000)	973706	40.0000	
	77 Indeno(1,2,3-cd)pyrene	276	20.342	20.342	(1.071)	1737180	50.0000	45
	78 Dibenzo(a,h)anthracene	278	20.364	20.364	(1.072)	1406744	50.0000	45
	79 Benzo(g,h,i)perylene	276	20.645	20.645	(1.087)	1632503	50.0000	51

QC Flag Legend

H - Operator selected an alternate compound hit.

05/26/05
AJ

MITKEM CORPORATION: ORGANIC PREP - CLP Semvolatiles

Date: 5-13-05	Analysis: CLP SVOA	Method & SOP #: AQ: 3510C(SepF) 3520C(Liq/Liq) Other:_____ Soil: 3540C(Soxhlet) (3550B(Sonic))						Sample Matrix: Aqueous (Soil) Other:				Project(s): N0523, N0529			
Blank ID: 18109	LCS ID: 18109	Analyst: SH	Spiker: TS	Witness: SH	Solvent Lot #: B05231 1:1	Acid Lot #:		Time Started: 07:30 Time Ended: 11:00				GPC Batch #:			
Lab ID	Client ID	Wt/Vol Extracted	Surrogate Added	Matrix Spike Added	Initial pH	KD prior to GPC Date/Analyst		Vol. pre GPC	GPC Date/Analyst		KD after GPC Date/Analyst		Final Vol.	Date Ext. Trans.	
MB 18109		30.0	05W050217A 500µl	—	—	05-22-05	TS	10 ml	05-22-05	TS	05-23-05	KG	½ ml	05-23-05	
LCS-18109		30.0	↓	05W050301B 500µl	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
N0523	01A	30.0		—											
N0529	01A	30.0		—											
N0529	01AMS	30.0		05W050301B 500µl											
N0529	01AMSD	30.0	05W050217A 500µl	05W050301B 500µl	—	05-22-05	TS	10 ml	05-22-05	TS	05-23-05	KG	½ ml	05-23-05	

SH 5/13/05

Comments

Sodium Sulfate Lot #: OWR050513B

Water Bath Temperature:

Sonicator Tuned: (Yes) / No

Reviewed By: KL 5/26/05

MITKEM CORPORATION **pH Determination Logbook**

pH Meter:

Date	Sample ID		pH Reading	Buffer IDs	Comments	Analyst
5/26/05	ph 4.0		4.00	IWP040723L	after calibration	SW
	ph 10.0		10.00	IWP040723D		
	ph 7.0		6.97	IWP050227D	100%	
	DO523	01A	8.03			
	DO529	01A	8.40		RPD= 0.27	
	DO529	01ADup	8.42			
5/26/05	ph 7.0		7.00	IWP050227D 100%		SW

SW 5/26/05

pH LCS (Buffer 7.00) Acceptance Criteria:
±0.05 S.U.
Frequency: at least every 20 samples

Calibration Check Criteria:
pH Buffer: 4.00±0.05 S.U.
10.00+0.05 S.U.
7.00+0.05 S.U.

Logbook ID: 30.0210-03/05

Reviewed by KC 5/26/05

Page #: 0004

Level 1 QA Review SW 5/26/05

Data Entry to LIMS

Level 2 QA Review

0217

Percent Moisture and Percent Solids Report

Mitkem Sample ID	*Client Sample ID*	*Analyzed*	*Percent Moisture*	*Percent Solids*	*Validated*
D0523-01A	*B-1 (9.0')*	05/17/2005	10	90	Yes
D0523-02A	*B-4 (4.0')*	05/24/2005	18	82	Yes
D0523-03A	*B-6 (5.0')*	05/24/2005	22	78	Yes
D0523-04A	*B-7 (14.0')*	05/24/2005	14	86	Yes

MITKEM CORPORATION: INSTRUMENT GPC 1 LOGBOOK

COLUMN ID: 5.X3.A11 | DATE CALIBRATED: 5.19.05 | INJECTION VOLUME: 5ml

Date	Position #	Project ID	Sample ID	Analysis	Analyst	Comments
5.22.05	1	MB 18109		OLM SVOA	TB	
	2	LCS 18109				
	3	D0523	01A			
	4	D0529	01A			
	5	↓	MS 01A	↓	↓	
5.22.05	6	D0529	MSD 01A	OLM SVOA	TB	
	7					
	8					
	9					
	10					
	11					
	12					
	13			5.22.05		
	14			TB		
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					

Logbook ID 50.0187-11/04

Flow Rate: 5.09 ml/min

Acceptance Criteria: Corn oil & phthalate peaks > 85.0% resolution
Phthalate & methoxyclor peaks > 85.0% resolution
Methoxychlor & perylene peaks > 85.0% resolution
Perylene & sulfur peaks: No saturation & > 90.0% baseline resolution

Reviewed by KC 5/26/05

Page #: 045

Instrument S1
Injection Log

Mitkem Corporation
SemiVolatiles Laboratory

IS = SW050426

METHOD: OLM4.3 STD ID: Tune = SW050512A ANALYST: KC

INITIAL CAL: 5/19/05 L1 - SW050516D 515 CL

L2 — 516E

L3 516F

L4

L5 516C

EMV:

DATE: 5/19/05

COMMENTS:

DATE PRINTED:

DATE LOADED:

AS #	FILE		MITKEM ID		CLIENT ID	METHOD	DIL	COMMENTS	IS	SS
	S1E44	86	DFTPP 1	V	DFTPP1V	DFTCLP		12:58		
	↓	87	SSTD050	1V	SSTD050 1V	CLP				
		88	160	↓	160			OLM4.3		
		89	020		020			ICAL		
	↓	90	080	↓	080	↓				
	S1E44	91	SSTD120	1V	SSTD 120 1V					
		92	D0437-17A		ML12A042205			ok/ok	516	✓
		93	-18A		ML12B042205			ok/ok	6L	✓
		94	-19A							

Daily Maintenance	✓
Gold Seal	✓
Liner	✓
Clipped Column	✓
Ferrule	

Comments: Source cleaned yesterday /KC

Logbook ID 70.0167-02/05 Reviewed By: KC 5/26/05 Page #: 084

0220

Instrument S1
Injection Log

Mitkem Corporation
SemiVolatiles Laboratory

METHOD: OLM4.2 4.3M 05/25/05
INITIAL CAL: 5/19/05
COMMENTS:

STD ID: SW050512A-tune
SW050518CCL2
IS - SW050426A

ANALYST: AW
EMV: 2247
DATE: 5/25/05
DATE PRINTED:
DATE LOADED:

AS #	FILE		MITKEM ID		CLIENT ID	METHOD	DIL	COMMENTS	IS	SS
	S1E45	05	DFTPP	1W	DFTPP1W	DFTCLP	—	07:25 Don't use		
		05A	DFTPP	1W	DFTPP1W	DFTCLP	—	08:36 ok		
		06	SSTD050	1W	SSTD050W	CLP	—	ok, last		
		07	MB-180	91	SBLK1W		—	ok	✓	✓
		08	LCS-180	91	S1WLCS		—	2spikes outT, ok	✓	✓
		09	LCSD-180	91	S1WLCSD		—	1spike outT, ok	✓	✓
		10	MB-181	09	SBLK1X		—	ok	✓	✓
		11	LCS-181	09	S1XLCS		—	ok	✓	✓
		12	D0529-	03B	RINSATE2		—	re-RUN Don't use	IV	✓
		13	GPC CHECK	SB1	050519		—	CLEAN		
		14	D0523-	01A	B-190		—	ok	✓	✓
		15	D0529-	01A	B-390		—	ok	✓	✓
		16	D0529-	03B	RINSATE2		—	ok	✓	✓
		17	D0529-	MS 01A	B-390MS		—	all in, ok	✓	✓
		18	D0529-	MSD 01A	B-390MSD		—	all in, ok	✓	✓
		19	MB-182	21	SBLK1Y		—	ok	✓	✓
		20	LCS-182	21	S1YLCS		—	2spikes outT, ok	✓	✓
		21	D0577-	19B	FB-051905		—	ok	✓	✓
		22	D0583-	01B	MW-11PT24		—	need 2xDL	✓	✓
		23	D0583-	01B MS	MW-11PT24MS		—	2spikes outT, ok	✓	✓
	S1E45	24	D0583-	MSD 01B	MW-11PT24MSD	CLP	—	3spikes outT, ok	✓	✓

Daily Maintenance	
Gold Seal	clean
Liner	clean
Clipped Column	✓
Ferrule	

Comments:

Logbook ID 70.0167-02/05

Reviewed By: KC 5/26/05

Page #: 085

0221

Sample Receiving Logbook

Workorder No. D0523

Client Name: Day

Date Recv'd 5/5/05 **Sample #s** 01-04 **Storage Locations:** VOA

Date Recv'd 5/5/05 **Sample #s** 01 **Storage Locations:** B3

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

OUT				IN			
Relinquished By		**Received By**		**Relinquished By**		**Received By**	
Date: 5-13-05	Init: TS	Date: 5-13-05	Init: SH	Date: 5-13-05	Init: SH	Date: 5-13-05	Init: TS
Samp. #s	01			01			
Date: 5/18/05	Init: KB	Date: 5/18/05	Init: SW	Date: 5/18/05	Init: KB	Date: 5/18/05	Init: SW
Samp. #s	01			01			
Date: 5/26/05	Init: KB	Date: 5/26/05	Init: SW	Date:	Init:	Date:	Init:
Samp. #s	1						
Date:	Init:	Date:	Init:	Date:	Init:	Date:	Init:
Samp. #s							
Date:	Init:	Date:	Init:	Date:	Init:	Date:	Init:
Samp. #s							
Date:	Init:	Date:	Init:	Date:	Init:	Date:	Init:
Samp. #s							
Date:	Init:	Date:	Init:	Date:	Init:	Date:	Init:
Samp. #s							
Date:	Init:	Date:	Init:	Date:	Init:	Date:	Init:
Samp. #s							

Comments: _____

Please record analyst's initials, date, and sample #s removed. Add any comments if necessary (broken bottles, empty jars, etc.)

Logbook ID: 30.0287-04/05 **Reviewed:** KC 5/26/05

MITKEM CORPORATION EXTRACT TRANSFER LOGBOOK: SEMIVOLATILE ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred By	Received By	Storage Location	Comments
5/21/05	D0521	09A	MM	AW	R7	
		10A		✓		
		11A		✓		
		12A		✓		
		13A		✓		
		14A		✓		
		15A		✓		
		16A		✓		
		17A		✓		
		18A		✓		
		19A		✓		
		19Amsd		✓		
		19A MSD		✓		
5/21/05	D0521	20A	MM	✓		
5/21/05	MB-18202		KG	✓		
	LCS-18202			✓		
	LCSD-18202			✓		
	D0586	01B		✓ ✓		
5/21/05	D0586	02B	KG	✓ AW	R7	
5/23/05	MB-18109		KG	AW	R7	
	LCS-18109					
	D0523	01A				
	D0529	01A				
	D0529	MS 01A				
5/23/05	D0529	MSD 01A	KG	AW	R7	
5-23-05	MB-18186		SM			
	D0001	09A				
		10A				
		11A				
		12A				
		13A				
		14A				
		15A				
5-23-05	D0001	16A	SM			

Logbook ID 70.0141-04/05

Reviewed By: KC 5/26/05

MITKEM CORPORATION

* Pesticide / PCB Organics *

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTIIID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK4E	84	79	89	91			0
02	P4ELCS	70	69	81	79			0
03	B-190	68	68	76	77			0
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

QC LIMITS

(TCX) = Tetrachloro-m-xylene (30-150)
(DCB) = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix Spike - Sample No.: P4ELCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	17		11	65	46-127
Heptachlor	17		12	71	35-130
Aldrin	17		14	82	34-132
Dieldrin	33		26	79	31-134
Endrin	33		28	85	42-139
4,4'-DDT	33		24	73	23-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK4E

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Lab Sample ID: MB-18108 Lab File ID: E4C6522F

Matrix (soil/water) SOIL Extraction:(Type) SONC

Sulfur Cleanup (Y/N) Y Date Extracted: 05/13/05

Date Analyzed (1): 05/26/05 Date Analyzed (2): 05/26/05

Time Analyzed (1): 0927 Time Analyzed (2): 0927

Instrument ID (1): E4 Instrument ID (2): E4

GC Column (1): CLPPEST ID: 0.53(mm) GC Column (2): CLPPESTII ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	P4ELCS	LCS-18108	05/26/05	05/26/05
02	B-190	D0523-01A	05/26/05	05/26/05
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-190

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) SOIL Lab Sample ID: D0523-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4C6524F

% Moisture: 10 Decanted: (Y/N) N Date Received: 05/05/05

Extraction: (Type) SONC Date Extracted: 05/13/05

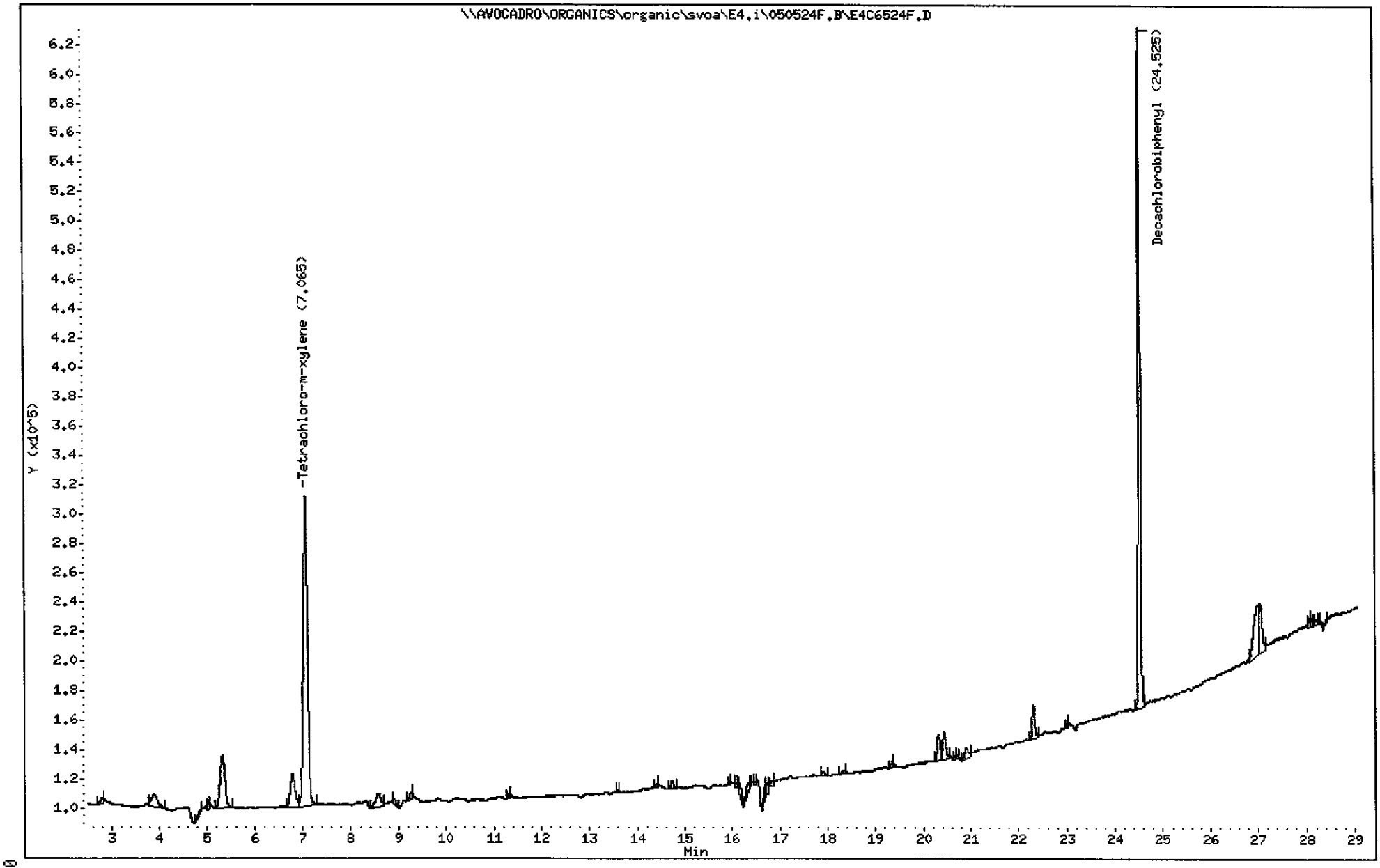
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Sulfur Cleanup: (Y/N) Y

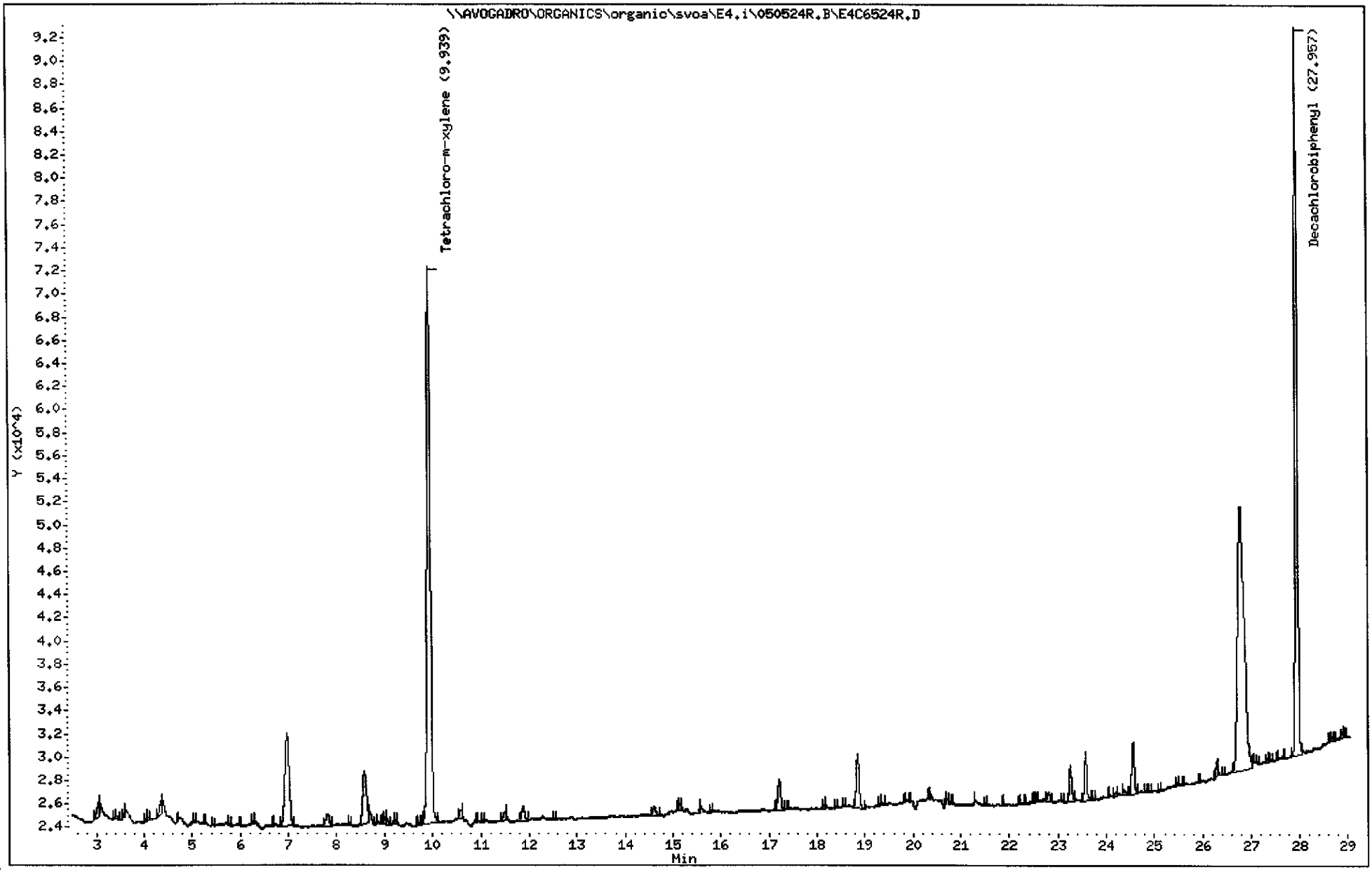
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6524F.D
Date : 26-MAY-2005 10:40
Client ID: B-190
Instrument: E4.i
Sample Info: D0523-01A,,18108,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



0229

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6524R.D
Date : 26-MAY-2005 10:40
Client ID: B-190 Instrument: E4.i
Sample Info: D0523-01A,,18108,clp.sub,,
Volume Injected (uL): 1.0 Operator: SRC: LIMS
Column phase: CLPPESTII Column diameter: 0.53



0230

Data File: E4C6524F.D
Report Date: 27-May-2005 14:20

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6524F.D
Lab Smp Id: D0523-01A Client Smp ID: B-190
Inj Date : 26-MAY-2005 10:40
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0523-01A,,18108,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: SOIL
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	10.000	% Moisture

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
==	======	========	========	=======	========	============	=====
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.07	7.07	0.000	1264237	0.02718		10	
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	1413792	0.03055		11	

5/27/05

Data File: E4C6524R.D
Report Date: 27-May-2005 14:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6524R.D
Lab Smp Id: D0523-01A Client Smp ID: B-190
Inj Date : 26-MAY-2005 10:40
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0523-01A,,18108,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: SOIL
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	10.000	% Moisture

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	244828	0.02721		10	
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	206702	0.03071		11	

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Instrument ID: E4 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: CLPPEST ID: 0.53 (mm) Date(s) Analyzed: 05/04/05 05/05/05

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	9.30	9.30	9.29	9.30	9.25	9.35
beta-BHC	10.95	10.94	10.93	10.94	10.89	10.99
delta-BHC	11.51	11.50	11.50	11.51	11.46	11.56
gamma-BHC (Lindane)	10.49	10.49	10.49	10.49	10.44	10.54
Heptachlor	12.15	12.14	12.15	12.15	12.10	12.20
Aldrin	13.12	13.12	13.12	13.12	13.07	13.17
Heptachlor epoxide	15.23	15.23	15.23	15.23	15.16	15.30
Endosulfan I	16.44	16.44	16.44	16.44	16.37	16.51
Dieldrin	17.22	17.22	17.22	17.22	17.15	17.29
4,4'-DDE	16.59	16.58	16.57	16.58	16.51	16.65
Endrin	17.91	17.91	17.91	17.91	17.84	17.98
Endosulfan II	18.69	18.67	18.66	18.68	18.61	18.75
4,4'-DDD	18.50	18.48	18.48	18.49	18.42	18.56
Endosulfan sulfate	21.21	21.21	21.20	21.21	21.14	21.28
4,4'-DDT	19.34	19.33	19.33	19.33	19.26	19.40
Methoxychlor	20.91	20.90	20.90	20.90	20.83	20.97
Endrin ketone	21.89	21.88	21.88	21.88	21.81	21.95
Endrin aldehyde	20.00	20.00	19.99	20.00	19.93	20.07
alpha-Chlordane	16.08	16.07	16.07	16.07	16.00	16.14
gamma-Chlordane	15.64	15.64	15.64	15.64	15.57	15.71
Tetrachloro-m-xylene	7.07	7.07	7.06	7.07	7.02	7.12
Decachlorobiphenyl	24.53	24.52	24.52	24.52	24.42	24.62

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are +/- 0.05 minutes for all compounds that elute before Heptachlor epoxide, +/- 0.07 minutes for all other compounds, except +/- 0.10 minutes for Decachlorobiphenyl.

6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Instrument ID: E4 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: CLPPESTII ID: 0.53 (mm) Date(s) Analyzed: 05/04/05 05/05/05

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	12.54	12.54	12.54	12.54	12.49	12.59
beta-BHC	14.33	14.33	14.33	14.33	14.28	14.38
delta-BHC	15.36	15.36	15.36	15.36	15.31	15.41
gamma-BHC (Lindane)	13.92	13.92	13.92	13.92	13.87	13.97
Heptachlor	15.46	15.46	15.46	15.46	15.41	15.51
Aldrin	16.55	16.55	16.55	16.55	16.50	16.60
Heptachlor epoxide	18.59	18.59	18.59	18.59	18.52	18.66
Endosulfan I	19.83	19.83	19.83	19.83	19.76	19.90
Dieldrin	20.67	20.67	20.67	20.67	20.60	20.74
4,4'-DDE	20.37	20.36	20.36	20.36	20.29	20.43
Endrin	21.53	21.53	21.53	21.53	21.46	21.60
Endosulfan II	22.14	22.14	22.13	22.14	22.07	22.21
4,4'-DDD	22.00	22.00	22.00	22.00	21.93	22.07
Endosulfan sulfate	23.75	23.75	23.75	23.75	23.68	23.82
4,4'-DDT	22.81	22.81	22.81	22.81	22.74	22.88
Methoxychlor	24.57	24.57	24.57	24.57	24.50	24.64
Endrin ketone	25.03	25.03	25.03	25.03	24.96	25.10
Endrin aldehyde	23.05	23.05	23.05	23.05	22.98	23.12
alpha-Chlordane	19.71	19.71	19.71	19.71	19.64	19.78
gamma-Chlordane	19.23	19.23	19.23	19.23	19.16	19.30
Tetrachloro-m-xylene	9.94	9.94	9.94	9.94	9.89	9.99
Decachlorobiphenyl	27.96	27.95	27.95	27.95	27.85	28.05

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are +/- 0.05 minutes for all compounds that elute before Heptachlor epoxide, +/- 0.07 minutes for all other compounds, except +/- 0.10 minutes for Decachlorobiphenyl.

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Instrument ID: E4 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: CLPPEST ID: 0.53 (mm) Date(s) Analyzed: 05/04/05 05/05/05

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	62907600	75200950	77242913	71783821	10.8
beta-BHC	24650200	25860200	27273100	25927833	5.1
delta-BHC	47206000	58040000	67251975	57499325	17.5
gamma-BHC (Lindane)	58792400	69823350	70224950	66280233	9.8
Heptachlor	62739200	68196300	66531525	65822342	4.2
Aldrin	58897000	62538950	65859413	62431788	5.6
Heptachlor epoxide	57890000	59729000	60252163	59290388	2.1
Endosulfan I	54774200	59636900	55719188	56710096	4.5
Dieldrin	59797900	66337325	62029994	62721740	5.3
4,4'-DDE	54982400	58597625	60275556	57951860	4.7
Endrin	49520400	55058525	50990731	51856552	5.5
Endosulfan II	49474400	51796500	51380544	50883815	2.4
4,4'-DDD	41931100	49192900	48450563	46524854	8.6
Endosulfan sulfate	29051500	36132000	40265475	35149658	16.1
4,4'-DDT	39382200	47310800	48477225	45056742	11.0
Methoxychlor	19894960	21936000	19816026	20548995	5.8
Endrin ketone	31332100	36143575	40311150	35928942	12.5
Endrin aldehyde	35399800	38141000	37996194	37178998	4.1
alpha-Chlordane	56014800	57566050	59715488	57765446	3.2
gamma-Chlordane	59700000	62606750	65441925	62582892	4.6
Tetrachloro-m-xylene	44114600	46520100	43834488	44823063	3.3
Decachlorobiphenyl	45860300	46270550	42522563	44884471	4.6

* Surrogate calibration factors are measured from Standard Mix A analyses.

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Instrument ID: E4 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: CLPPESTII ID: 0.53 (mm) Date(s) Analyzed: 05/04/05 05/05/05

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	11055000	12533900	13362288	12317063	9.5
beta-BHC	5447400	5307950	5239475	5331608	2.0
delta-BHC	8921400	9904700	11857638	10227913	14.6
gamma-BHC (Lindane)	10437800	11724300	12297250	11486450	8.3
Heptachlor	11925800	12542550	12513000	12327117	2.8
Aldrin	9749200	9919100	10975450	10214583	6.5
Heptachlor epoxide	9819200	9831750	10391588	10014179	3.3
Endosulfan I	9386600	9885500	9616600	9629567	2.6
Dieldrin	8604200	10291750	10447506	9781152	10.5
4,4'-DDE	7590600	8659425	9878531	8709519	13.1
Endrin	6955700	7890400	8140256	7662119	8.1
Endosulfan II	6904300	7275875	7898988	7359721	6.8
4,4'-DDD	5222700	6387475	6809763	6139979	13.4
Endosulfan sulfate	3091100	4407350	5714681	4404377	29.8
4,4'-DDT	5704100	6983400	7314956	6667485	12.8
Methoxychlor	2921260	3398855	3322256	3214124	8.0
Endrin ketone	3227200	4150750	5359775	4245908	25.2
Endrin aldehyde	4980500	5345450	5743625	5356525	7.1
alpha-Chlordane	9742200	9529350	10062325	9777958	2.7
gamma-Chlordane	9811600	9950000	10599638	10120413	4.2
Tetrachloro-m-xylene	8970000	8996800	8264838	8743879	4.7
Decachlorobiphenyl	6553900	6731800	6057000	6447567	5.4

* Surrogate calibration factors are measured from Standard Mix A analyses.

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Instrument ID: E4 Date(s) Analyzed: 05/04/05 05/05/05

GC Column: CLPPEST ID: 0.53 (mm)

COMPOUND	AMOUNT (ng)	PEAK1	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	0.50	1	19.88	19.81	19.95	2389522
		2	20.29	20.22	20.36	3218054
		3	20.87	20.80	20.94	3931340
		4				
		5				
Aroclor-1016	0.10	1	8.67	8.60	8.74	657500
		2	10.00	9.93	10.07	1491650
		3	11.66	11.59	11.73	3093500
		4				
		5				
Aroclor-1221	0.20	1	7.94	7.87	8.01	381505
		2	8.51	8.44	8.58	249670
		3	8.66	8.59	8.73	1113410
		4				
		5				
Aroclor-1232	0.10	1	8.67	8.60	8.74	732570
		2	10.01	9.94	10.08	661240
		3	11.67	11.60	11.74	1181090
		4				
		5				
Aroclor-1242	0.10	1	10.69	10.62	10.76	387080
		2	13.50	13.43	13.57	1167600
		3	13.78	13.71	13.85	281270
		4				
		5				
Aroclor-1248	0.10	1	13.50	13.43	13.57	1995310
		2	14.91	14.84	14.98	1423920
		3	15.47	15.40	15.54	936460
		4				
		5				
Aroclor-1254	0.10	1	15.61	15.54	15.68	2338150
		2	16.85	16.78	16.92	3121040
		3	17.74	17.67	17.81	2967780
		4				
		5				
Aroclor-1260	0.10	1	19.20	19.13	19.27	4863120
		2	21.13	21.06	21.20	5758900
		3	21.86	21.79	21.93	2742900
		4				
		5				

1 At least 3 peaks for each column are required for identification of multicomponent analytes.

6G

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Instrument ID: E4 Date(s) Analyzed: 05/04/05 05/05/05

GC Column: CLPPESTII ID: 0.53 (mm)

COMPOUND	AMOUNT (ng)	PEAK1	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	0.50	1	22.37	22.30	22.44	416430
		2	23.07	23.00	23.14	362448
		3	24.33	24.26	24.40	485010
		4				
		5				
Aroclor-1016	0.10	1	12.04	11.97	12.11	171410
		2	13.58	13.51	13.65	336630
		3	15.21	15.14	15.28	691010
		4				
		5				
Aroclor-1221	0.20	1	8.07	8.00	8.14	72660
		2	11.26	11.19	11.33	91095
		3	12.04	11.97	12.11	236595
		4				
		5				
Aroclor-1232	0.10	1	13.58	13.51	13.65	146940
		2	15.21	15.14	15.28	288110
		3	15.67	15.60	15.74	112970
		4				
		5				
Aroclor-1242	0.10	1	15.20	15.13	15.27	534010
		2	16.01	15.94	16.08	130040
		3	16.39	16.32	16.46	115240
		4				
		5				
Aroclor-1248	0.10	1	16.52	16.45	16.59	211780
		2	17.27	17.20	17.34	293660
		3	17.66	17.59	17.73	309710
		4				
		5				
Aroclor-1254	0.10	1	18.69	18.62	18.76	340570
		2	20.38	20.31	20.45	262610
		3	20.72	20.65	20.79	477980
		4				
		5				
Aroclor-1260	0.10	1	21.86	21.79	21.93	401260
		2	22.80	22.73	22.87	526840
		3	24.39	24.32	24.46	528810
		4				
		5				

1 At least 3 peaks for each column are required for identification of multicomponent analytes.

6H

PESTICIDE ANALYTE RESOLUTION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (RESC##): RESCC1 Lab Sample ID (1): RESCC1

Date Analyzed (1): 05/04/05 Time Analyzed (1): 1623

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.07	100.0
02	gamma-Chlordane	15.64	100.0
03	Endosulfan I	16.44	86.7
04	4,4'-DDE	16.58	100.0
05	Dieldrin	17.23	100.0
06	Methoxychlor	20.91	98.2
07	Endosulfan sulfate	21.21	100.0
08	Endrin ketone	21.89	100.0
09	Decachlorobiphenyl	24.53	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (RESC##): RESCC1 Lab Sample ID (2): RESCC1

Date Analyzed (2): 05/04/05 Time Analyzed (2): 1623

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.94	100.0
02	gamma-Chlordane	19.23	100.0
03	Endosulfan I	19.84	100.0
04	4,4'-DDE	20.36	100.0
05	Dieldrin	20.67	100.0
06	Endosulfan sulfate	23.75	100.0
07	Methoxychlor	24.57	100.0
08	Endrin ketone	25.03	100.0
09	Decachlorobiphenyl	27.96	

PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (PEM##): PEMC1 Lab Sample ID (1): PEMC1

Date Analyzed (1): 05/04/05 Time Analyzed (1): 1659

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.06	100.0
02	alpha-BHC	9.30	100.0
03	gamma-BHC (Lindane)	10.49	100.0
04	beta-BHC	10.94	100.0
05	Endrin	17.91	100.0
06	4,4'-DDT	19.33	100.0
07	Methoxychlor	20.90	100.0
08	Decachlorobiphenyl	24.53	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (PEM##): PEMC1 Lab Sample ID (2): PEMC1

Date Analyzed (2): 05/04/05 Time Analyzed (2): 1659

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.94	100.0
02	alpha-BHC	12.54	100.0
03	gamma-BHC (Lindane)	13.92	100.0
04	beta-BHC	14.33	100.0
05	Endrin	21.53	100.0
06	4,4'-DDT	22.81	100.0
07	Methoxychlor	24.57	100.0
08	Decachlorobiphenyl	27.96	

PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (PEM##): PEMC2 Lab Sample ID (1): PEMC2

Date Analyzed (1): 05/05/05 Time Analyzed (1): 0203

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.07	100.0
02	alpha-BHC	9.30	100.0
03	gamma-BHC (Lindane)	10.49	100.0
04	beta-BHC	10.94	100.0
05	Endrin	17.91	100.0
06	4,4'-DDT	19.33	100.0
07	Methoxychlor	20.90	100.0
08	Decachlorobiphenyl	24.53	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (PEM##): PEMC2 Lab Sample ID (2): PEMC2

Date Analyzed (2): 05/05/05 Time Analyzed (2): 0203

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.94	100.0
02	alpha-BHC	12.54	100.0
03	gamma-BHC (Lindane)	13.92	100.0
04	beta-BHC	14.33	100.0
05	Endrin	21.53	100.0
06	4,4'-DDT	22.81	100.0
07	Methoxychlor	24.57	100.0
08	Decachlorobiphenyl	27.96	

6I

PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (PEM##): PEMCG Lab Sample ID (1): PEMCG

Date Analyzed (1): 05/26/05 Time Analyzed (1): 0622

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.06	100.0
02	alpha-BHC	9.29	100.0
03	gamma-BHC (Lindane)	10.49	100.0
04	beta-BHC	10.94	100.0
05	Endrin	17.91	100.0
06	4,4'-DDT	19.33	100.0
07	Methoxychlor	20.90	100.0
08	Decachlorobiphenyl	24.52	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (PEM##): PEMCG Lab Sample ID (2): PEMCG

Date Analyzed (2): 05/26/05 Time Analyzed (2): 0622

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.94	100.0
02	alpha-BHC	12.54	100.0
03	gamma-BHC (Lindane)	13.91	100.0
04	beta-BHC	14.33	100.0
05	Endrin	21.53	100.0
06	4,4'-DDT	22.81	100.0
07	Methoxychlor	24.57	100.0
08	Decachlorobiphenyl	27.95	

INDIVIDUAL STANDARD MIXTURE A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (INDAM##): INDAMC1 Lab Sample ID (1): INDAMC1

Date Analyzed (1): 05/04/05 Time Analyzed (1): 2302

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.07	100.0
02	alpha-BHC	9.30	100.0
03	gamma-BHC (Lindane)	10.49	100.0
04	Heptachlor	12.14	100.0
05	Endosulfan I	16.44	100.0
06	Dieldrin	17.22	100.0
07	Endrin	17.91	100.0
08	4,4'-DDD	18.48	100.0
09	4,4'-DDT	19.33	100.0
10	Methoxychlor	20.90	100.0
11	Decachlorobiphenyl	24.52	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (INDAM##): INDAMC1 Lab Sample ID (2): INDAMC1

Date Analyzed (2): 05/04/05 Time Analyzed (2): 2302

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.94	100.0
02	alpha-BHC	12.54	100.0
03	gamma-BHC (Lindane)	13.92	100.0
04	Heptachlor	15.46	100.0
05	Endosulfan I	19.83	100.0
06	Dieldrin	20.67	100.0
07	Endrin	21.53	100.0
08	4,4'-DDD	22.00	100.0
09	4,4'-DDT	22.81	100.0
10	Methoxychlor	24.57	100.0
11	Decachlorobiphenyl	27.95	

INDIVIDUAL STANDARD MIXTURE B

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (INDBM##): INDBMC1 Lab Sample ID (1): INDBMC1

Date Analyzed (1): 05/04/05 Time Analyzed (1): 2338

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.07	100.0
02	beta-BHC	10.94	100.0
03	delta-BHC	11.50	100.0
04	Aldrin	13.12	100.0
05	Heptachlor epoxide	15.23	100.0
06	gamma-Chlordane	15.64	100.0
07	alpha-Chlordane	16.07	100.0
08	4,4'-DDE	16.58	100.0
09	Endosulfan II	18.67	100.0
10	Endrin aldehyde	20.00	100.0
11	Endosulfan sulfate	21.21	100.0
12	Endrin ketone	21.88	100.0
13	Decachlorobiphenyl	24.52	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (INDBM##): INDBMC1 Lab Sample ID (2): INDBMC1

Date Analyzed (2): 05/04/05 Time Analyzed (2): 2338

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.93	100.0
02	beta-BHC	14.33	100.0
03	delta-BHC	15.36	100.0
04	Aldrin	16.55	100.0
05	Heptachlor epoxide	18.59	100.0
06	gamma-Chlordane	19.23	100.0
07	alpha-Chlordane	19.71	100.0
08	4,4'-DDE	20.36	100.0
09	Endosulfan II	22.14	100.0
10	Endrin aldehyde	23.05	100.0
11	Endosulfan sulfate	23.75	100.0
12	Endrin ketone	25.03	100.0
13	Decachlorobiphenyl	27.96	

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): _____ Date Analyzed : _____

Lab Sample ID (PIBLK) : _____ Time Analyzed : _____

EPA Sample No.(PEM##) : PEMC1 Date Analyzed : 05/04/05

Lab Sample ID (PEM) : PEMC1 Time Analyzed : 1659

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.30	9.25	9.35	0.009	0.010	-10.0
beta-BHC	10.94	10.89	10.99	0.010	0.010	0.0
gamma-BHC (Lindane)	10.49	10.44	10.54	0.009	0.010	-10.0
Endrin	17.91	17.84	17.98	0.052	0.050	4.0
4,4'-DDT	19.33	19.26	19.40	0.098	0.10	-2.0
Methoxychlor	20.90	20.83	20.97	0.227	0.25	-9.2

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): _____ Date Analyzed : _____

Lab Sample ID (PIBLK) : _____ Time Analyzed : _____

EPA Sample No.(PEM##) : PEMC1 Date Analyzed : 05/04/05

Lab Sample ID (PEM) : PEMC1 Time Analyzed : 1659

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.54	12.49	12.59	0.009	0.010	-10.0
beta-BHC	14.33	14.28	14.38	0.010	0.010	0.0
gamma-BHC (Lindane)	13.92	13.87	13.97	0.009	0.010	-10.0
Endrin	21.53	21.46	21.60	0.051	0.050	2.0
4,4'-DDT	22.81	22.74	22.88	0.093	0.10	-7.0
Methoxychlor	24.57	24.50	24.64	0.219	0.25	-12.4

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): PIBLKC2 Date Analyzed : 05/05/05

Lab Sample ID (PIBLK) : PIBLKC2 Time Analyzed : 0127

EPA Sample No.(PEM##) : PEMC2 Date Analyzed : 05/05/05

Lab Sample ID (PEM) : PEMC2 Time Analyzed : 0203

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.30	9.25	9.35	0.009	0.010	-10.0
beta-BHC	10.94	10.89	10.99	0.010	0.010	0.0
gamma-BHC (Lindane)	10.49	10.44	10.54	0.009	0.010	-10.0
Endrin	17.91	17.84	17.98	0.052	0.050	4.0
4,4'-DDT	19.33	19.26	19.40	0.096	0.10	-4.0
Methoxychlor	20.90	20.83	20.97	0.223	0.25	-10.8

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): PIBLKC2 Date Analyzed : 05/05/05

Lab Sample ID (PIBLK) : PIBLKC2 Time Analyzed : 0127

EPA Sample No.(PEM##) : PEMC2 Date Analyzed : 05/05/05

Lab Sample ID (PEM) : PEMC2 Time Analyzed : 0203

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.54	12.49	12.59	0.009	0.010	-10.0
beta-BHC	14.33	14.28	14.38	0.010	0.010	0.0
gamma-BHC (Lindane)	13.92	13.87	13.97	0.009	0.010	-10.0
Endrin	21.53	21.46	21.60	0.052	0.050	4.0
4,4'-DDT	22.81	22.74	22.88	0.096	0.10	-4.0
Methoxychlor	24.57	24.50	24.64	0.215	0.25	-14.0

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): PIBLKCG Date Analyzed : 05/26/05

Lab Sample ID (PIBLK) : PIBLKCG Time Analyzed : 0546

EPA Sample No.(PEM##) : PEMCG Date Analyzed : 05/26/05

Lab Sample ID (PEM) : PEMCG Time Analyzed : 0622

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.29	9.25	9.35	0.010	0.010	0.0
beta-BHC	10.94	10.89	10.99	0.012	0.010	20.0
gamma-BHC (Lindane)	10.49	10.44	10.54	0.010	0.010	0.0
Endrin	17.91	17.84	17.98	0.057	0.050	14.0
4,4'-DDT	19.33	19.26	19.40	0.104	0.10	4.0
Methoxychlor	20.90	20.83	20.97	0.231	0.25	-7.6

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): PIBLKCG Date Analyzed : 05/26/05

Lab Sample ID (PIBLK) : PIBLKCG Time Analyzed : 0546

EPA Sample No.(PEM##) : PEMCG Date Analyzed : 05/26/05

Lab Sample ID (PEM) : PEMCG Time Analyzed : 0622

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.54	12.49	12.59	0.010	0.010	0.0
beta-BHC	14.33	14.28	14.38	0.011	0.010	10.0
gamma-BHC (Lindane)	13.91	13.87	13.97	0.010	0.010	0.0
Endrin	21.53	21.46	21.60	0.060	0.050	20.0
4,4'-DDT	22.81	22.74	22.88	0.111	0.10	11.0
Methoxychlor	24.57	24.50	24.64	0.244	0.25	-2.4

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): PIBLKCH Date Analyzed : 05/26/05

Lab Sample ID (PIBLK) : PIBLKCH Time Analyzed : 1116

EPA Sample No.(INDAM##) : INDAMCH Date Analyzed : 05/26/05

Lab Sample ID (INDAM) : INDAMCH Time Analyzed : 1152

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.30	9.25	9.35	0.021	0.020	5.0
gamma-BHC (Lindane)	10.49	10.44	10.54	0.020	0.020	0.0
Heptachlor	12.15	12.10	12.20	0.020	0.020	0.0
Endosulfan I	16.44	16.37	16.51	0.022	0.020	10.0
Dieldrin	17.22	17.15	17.29	0.042	0.040	5.0
Endrin	17.91	17.84	17.98	0.041	0.040	2.5
4,4'-DDD	18.49	18.42	18.56	0.041	0.040	2.5
4,4'-DDT	19.34	19.26	19.40	0.039	0.040	-2.5
Methoxychlor	20.90	20.83	20.97	0.19	0.20	-5.0
Tetrachloro-m-xylene	7.06	7.02	7.12	0.020	0.020	0.0
Decachlorobiphenyl	24.53	24.42	24.62	0.041	0.040	2.5

EPA Sample No.(INDBM##) : INDBMCH Date Analyzed : 05/26/05

Lab Sample ID (INDBM) : INDBMCH Time Analyzed : 1348

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	10.95	10.89	10.99	0.022	0.020	10.0
delta-BHC	11.52	11.46	11.56	0.020	0.020	0.0
Aldrin	13.13	13.07	13.17	0.021	0.020	5.0
Heptachlor epoxide	15.24	15.16	15.30	0.021	0.020	5.0
4,4'-DDE	16.59	16.51	16.65	0.041	0.040	2.5
Endosulfan II	18.68	18.61	18.75	0.041	0.040	2.5
Endosulfan sulfate	21.22	21.14	21.28	0.044	0.040	10.0
Endrin ketone	21.89	21.81	21.95	0.042	0.040	5.0
Endrin aldehyde	20.00	19.93	20.07	0.040	0.040	0.0
alpha-Chlordane	16.08	16.00	16.14	0.021	0.020	5.0
gamma-Chlordane	15.65	15.57	15.71	0.021	0.020	5.0
Tetrachloro-m-xylene	7.08	7.02	7.12	0.019	0.020	-5.0
Decachlorobiphenyl	24.53	24.42	24.62	0.038	0.040	-5.0

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): PIBLKCH Date Analyzed : 05/26/05

Lab Sample ID (PIBLK) : PIBLKCH Time Analyzed : 1116

EPA Sample No.(INDAM##) : INDAMCH Date Analyzed : 05/26/05

Lab Sample ID (INDAM) : INDAMCH Time Analyzed : 1152

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.54	12.49	12.59	0.021	0.020	5.0
gamma-BHC (Lindane)	13.92	13.87	13.97	0.020	0.020	0.0
Heptachlor	15.46	15.41	15.51	0.020	0.020	0.0
Endosulfan I	19.83	19.76	19.90	0.022	0.020	10.0
Dieldrin	20.67	20.60	20.74	0.044	0.040	10.0
Endrin	21.53	21.46	21.60	0.043	0.040	7.5
4,4'-DDD	22.00	21.93	22.07	0.043	0.040	7.5
4,4'-DDT	22.81	22.74	22.88	0.042	0.040	5.0
Methoxychlor	24.57	24.50	24.64	0.20	0.20	0.0
Tetrachloro-m-xylene	9.94	9.89	9.99	0.020	0.020	0.0
Decachlorobiphenyl	27.96	27.85	28.05	0.041	0.040	2.5

EPA Sample No.(INDBM##) : INDBMCH Date Analyzed : 05/26/05

Lab Sample ID (INDBM) : INDBMCH Time Analyzed : 1348

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	14.33	14.28	14.38	0.020	0.020	0.0
delta-BHC	15.36	15.31	15.41	0.020	0.020	0.0
Aldrin	16.55	16.50	16.60	0.021	0.020	5.0
Heptachlor epoxide	18.59	18.52	18.66	0.021	0.020	5.0
4,4'-DDE	20.36	20.29	20.43	0.043	0.040	7.5
Endosulfan II	22.14	22.07	22.21	0.042	0.040	5.0
Endosulfan sulfate	23.75	23.68	23.82	0.050	0.040	25.0
Endrin ketone	25.03	24.96	25.10	0.048	0.040	20.0
Endrin aldehyde	23.05	22.98	23.12	0.041	0.040	2.5
alpha-Chlordane	19.71	19.64	19.78	0.021	0.020	5.0
gamma-Chlordane	19.23	19.16	19.30	0.021	0.020	5.0
Tetrachloro-m-xylene	9.94	9.89	9.99	0.019	0.020	-5.0
Decachlorobiphenyl	27.96	27.85	28.05	0.038	0.040	-5.0

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

Instrument ID: E4

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 7.07 DCB: 24.52

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESCC1	RESCC1	05/04/05	1623	7.07	24.53
02	PEMC1	PEMC1	05/04/05	1659	7.06	24.53
03	AR1660C1	AR1660C1	05/04/05	1736	7.06	24.53
04	AR1221C1	AR1221C1	05/04/05	1812	7.06	24.53
05	AR1232C1	AR1232C1	05/04/05	1848	7.07	24.53
06	AR1242C1	AR1242C1	05/04/05	1924	7.07	24.53
07	AR1248C1	AR1248C1	05/04/05	2001	7.07	24.53
08	AR1254C1	AR1254C1	05/04/05	2037	7.07	24.53
09	TOXAPHC1	TOXAPHC1	05/04/05	2113	7.07	24.53
10	INDALC1	INDALC1	05/04/05	2149	7.07	24.53
11	INDBLC1	INDBLC1	05/04/05	2225	7.07	24.53
12	INDAMC1	INDAMC1	05/04/05	2302	7.07	24.52
13	INDBMC1	INDBMC1	05/04/05	2338	7.07	24.52
14	INDAHC1	INDAHC1	05/05/05	0014	7.06	24.52
15	INDBHC1	INDBHC1	05/05/05	0050	7.06	24.52
16	PIBLKC2	PIBLKC2	05/05/05	0127	7.07	24.53
17	PEMC2	PEMC2	05/05/05	0203	7.07	24.53
18	PIBLKCG	PIBLKCG	05/26/05	0546	7.06	24.52
19	PEMCG	PEMCG	05/26/05	0622	7.06	24.52
20	PBLK4E	MB-18108	05/26/05	0927	7.09	24.54
21	P4ELCS	LCS-18108	05/26/05	1003	7.07	24.53
22	B-190	D0523-01A	05/26/05	1040	7.07	24.53
23	PIBLKCH	PIBLKCH	05/26/05	1116	7.07	24.53
24	INDAMCH	INDAMCH	05/26/05	1152	7.06	24.53
25	INDBMCH	INDBMCH	05/26/05	1348	7.08	24.53
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

Instrument ID: E4

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.94 DCB: 27.95

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESCC1	RESCC1	05/04/05	1623	9.94	27.96
02	PEMC1	PEMC1	05/04/05	1659	9.94	27.96
03	AR1660C1	AR1660C1	05/04/05	1736	9.94	27.96
04	AR1221C1	AR1221C1	05/04/05	1812	9.94	27.96
05	AR1232C1	AR1232C1	05/04/05	1848	9.94	27.96
06	AR1242C1	AR1242C1	05/04/05	1924	9.94	27.96
07	AR1248C1	AR1248C1	05/04/05	2001	9.94	27.96
08	AR1254C1	AR1254C1	05/04/05	2037	9.94	27.96
09	TOXAPHC1	TOXAPHC1	05/04/05	2113	9.94	27.96
10	INDALC1	INDALC1	05/04/05	2149	9.94	27.96
11	INDBLC1	INDBLC1	05/04/05	2225	9.94	27.96
12	INDAMC1	INDAMC1	05/04/05	2302	9.94	27.95
13	INDBMC1	INDBMC1	05/04/05	2338	9.93	27.96
14	INDAHC1	INDAHC1	05/05/05	0014	9.94	27.95
15	INDBHC1	INDBHC1	05/05/05	0050	9.94	27.95
16	PIBLKC2	PIBLKC2	05/05/05	0127	9.94	27.96
17	PEMC2	PEMC2	05/05/05	0203	9.94	27.96
18	PIBLKCG	PIBLKCG	05/26/05	0546	9.93	27.95
19	PEMCG	PEMCG	05/26/05	0622	9.94	27.95
20	PBLK4E	MB-18108	05/26/05	0927	9.94	27.96
21	P4ELCS	LCS-18108	05/26/05	1003	9.94	27.96
22	B-190	D0523-01A	05/26/05	1040	9.94	27.96
23	PIBLKCH	PIBLKCH	05/26/05	1116	9.94	27.96
24	INDAMCH	INDAMCH	05/26/05	1152	9.94	27.96
25	INDBMCH	INDBMCH	05/26/05	1348	9.94	27.96
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

9A

PESTICIDE FLORISIL CARTRIDGE CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Florisil Cartridge Lot Number: AMFLX-4B Date of Analysis: 01/05/05

GC Column (1): CLPPEST ID: 0.53 (mm) GC Column (2): CLPPESTII ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS
alpha-BHC	0.010	0.0087	87	80-120
gamma-BHC (Lindane)	0.010	0.009	90	80-120
Heptachlor	0.010	0.0096	96	80-120
Endosulfan I	0.010	0.0099	99	80-120
Dieldrin	0.020	0.019	93	80-120
Endrin	0.020	0.019	97	80-120
4,4'-DDD	0.020	0.019	95	80-120
4,4'-DDT	0.020	0.019	93	80-120
Methoxychlor	0.10	0.1	103	80-120
Tetrachloro-m-xylene	0.010	0.01	100	80-120
Decachlorobiphenyl	0.020	0.022	108	80-120
2,4,5-Trichlorophenol	0.050	0	0	<5

Column to be used to flag recovery with an asterisk.
* Values outside of QC limits.

THIS CARTRIDGE LOT APPLIES TO THE FOLLOWING SAMPLES, BLANKS, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLK4E	MB-18108	05/26/05	05/26/05
02	P4ELCS	LCS-18108	05/26/05	05/26/05
03	B-190	D0523-01A	05/26/05	05/26/05
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

9B

PESTICIDE GPC CALIBRATION VERIFICATION

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

GPC Column: S-X3-A11 Calibration Verification Date: 05/26/05

GC Column (1): CLPPEST ID: 0.53 (mm) GC Column (2): CLPPESTII ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (ug/L)	SPIKE RECOVERED (ug/L)	% REC #	QC LIMITS
gamma-BHC (Lindane)	0.050	0.043	87	80-110
Heptachlor	0.050	0.043	87	80-110
Aldrin	0.050	0.047	93	80-110
Dieldrin	0.10	0.09	90	80-110
Endrin	0.10	0.098	98	80-110
4,4'-DDT	0.10	0.09	90	80-110

Column to be used to flag recovery with an asterisk.
* Values outside of QC limits.

THIS GPC CALIBRATION VERIFICATION APPLIES TO THE FOLLOWING SAMPLES, BLANKS, MS, A

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLK4E	MB-18108	05/26/05	05/26/05
02	P4ELCS	LCS-18108	05/26/05	05/26/05
03	B-190	D0523-01A	05/26/05	05/26/05
04				
05				
06				
07				
08				
09				
10				
11				
12				
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19				
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21				
22				
23				
24				
25				
26				

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

P4ELCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Lab Sample ID: LCS-18108 Date(s) Analyzed: 05/26/05 05/26/05

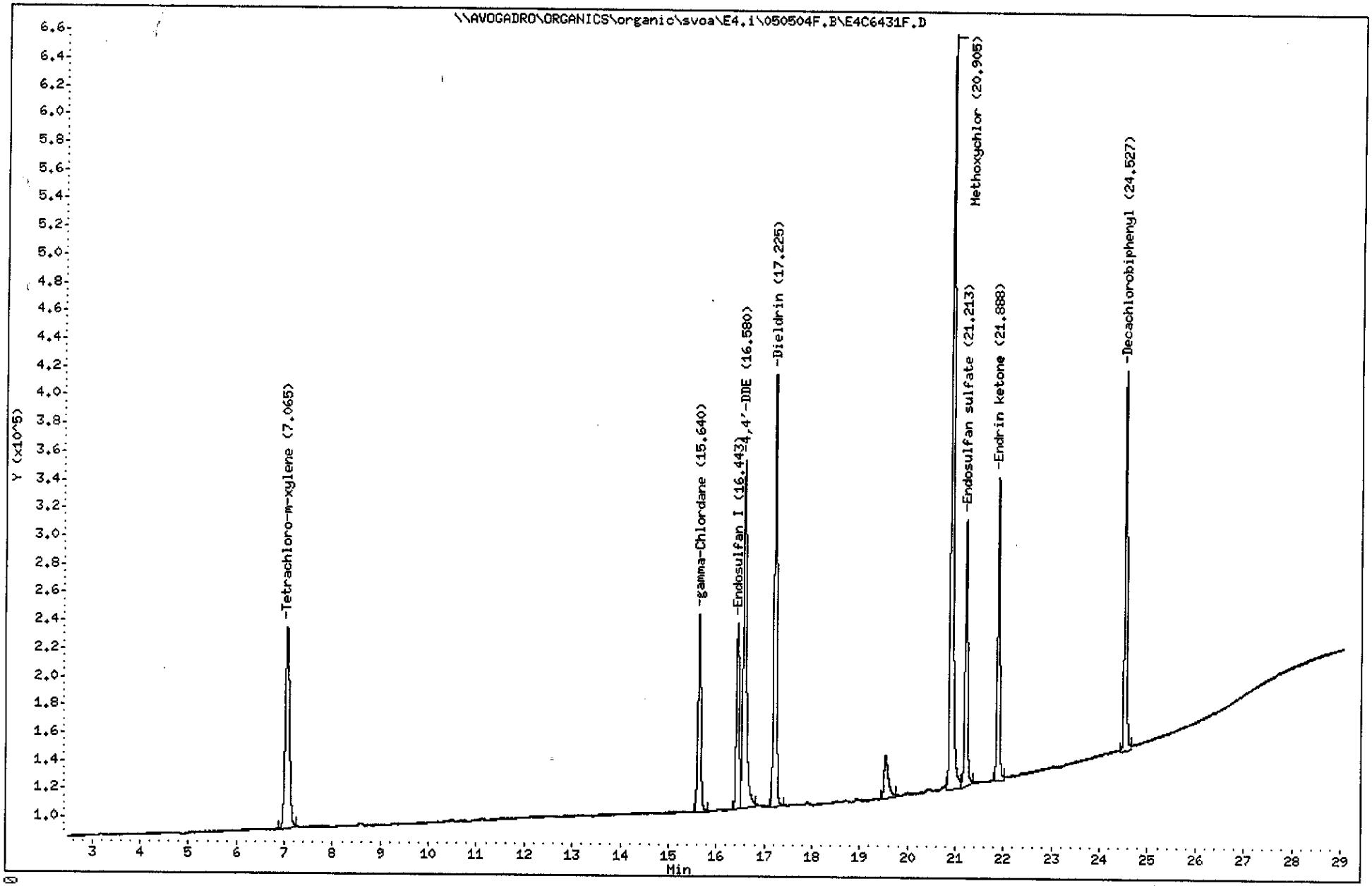
Instrument ID (1): E4 Instrument ID (2): E4

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	10.49	10.44	10.54	11	
	2	13.92	13.87	13.97	11	0.0
Heptachlor	1	12.15	12.10	12.20	12	
	2	15.46	15.41	15.51	12	0.0
Aldrin	1	13.13	13.07	13.17	14	
	2	16.55	16.50	16.60	14	0.0
Dieldrin	1	17.23	17.15	17.29	26	
	2	20.68	20.60	20.74	27	3.8
Endrin	1	17.91	17.84	17.98	28	
	2	21.53	21.46	21.60	31	10.7
4,4'-DDT	1	19.34	19.26	19.40	24	
	2	22.81	22.74	22.88	27	12.5
	1					
	2					
	1					
	2					

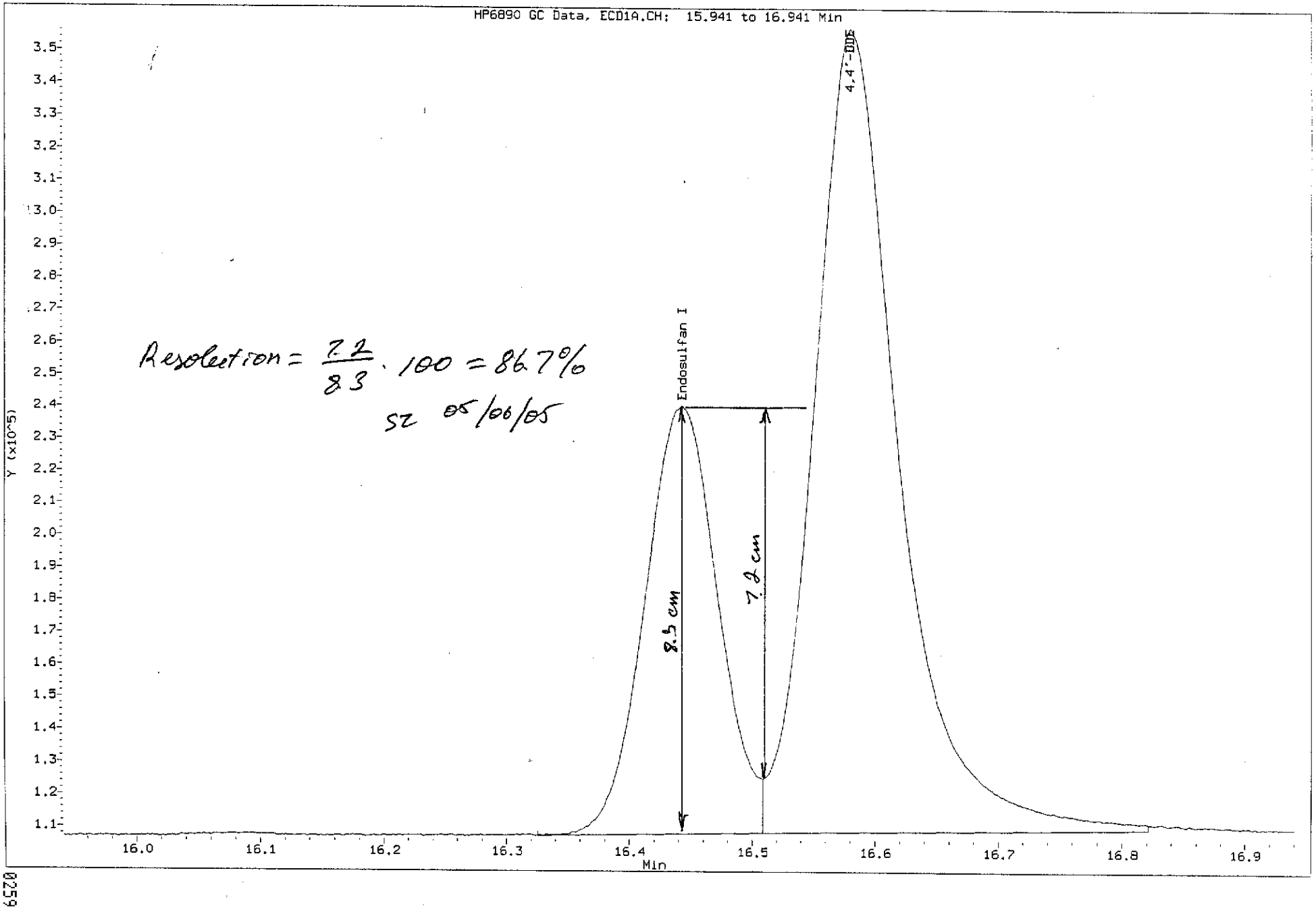
Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6431F.D
Date : 04-MAY-2005 16:23
Client ID: RESCC1
Sample Info: RESCC1,RESCC1,,resc.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



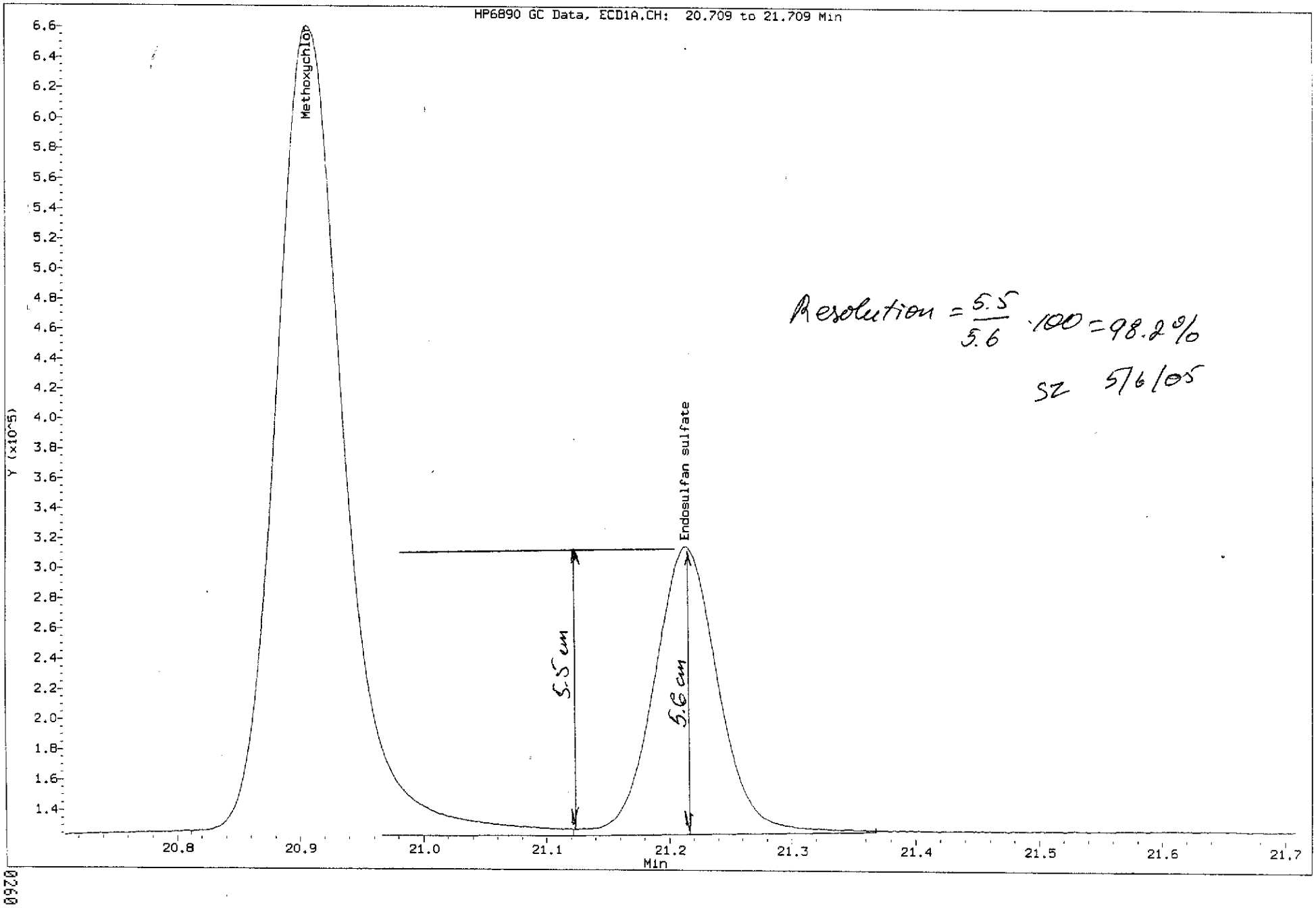
0258

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6431F.D
Injection Date: 04-MAY-2005 16:23
Instrument: E4.i
Client Sample ID: RESCC1



0259

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6431F.D
Injection Date: 04-MAY-2005 16:23
Instrument: E4.i
Client Sample ID: RESCC1



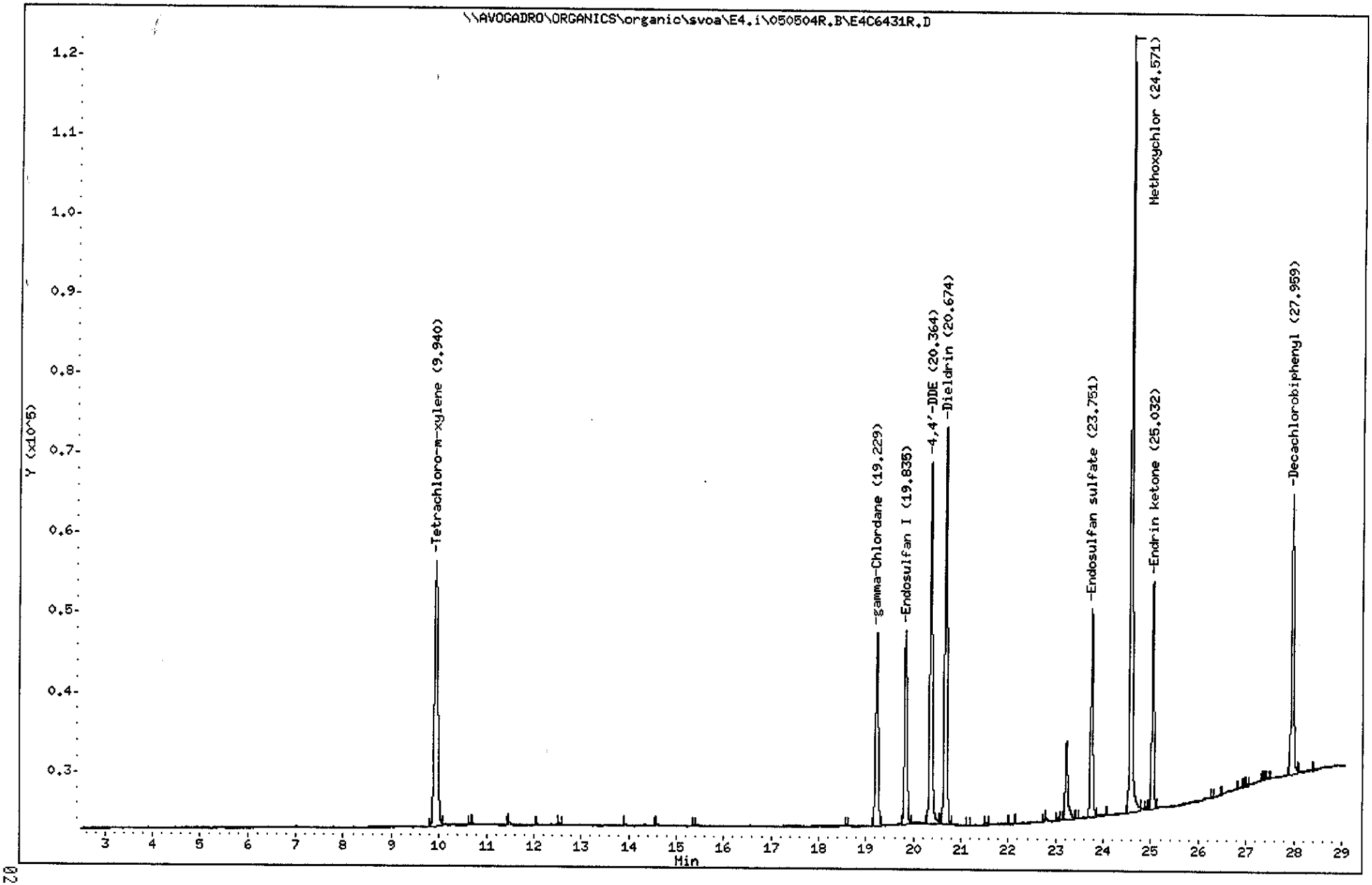
$$\text{Resolution} = \frac{5.5}{5.6} \cdot 100 = 98.2\%$$

SZ 5/6/05

0260

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6431R.D
Date : 04-MAY-2005 16:23
Client ID: RESCC1
Sample Info: RESCC1,RESCC1,,resc,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0261

Data File: E4C6431F.D
Report Date: 05-May-2005 10:08

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6431F.D
Lab Smp Id: RESCC1 Client Smp ID: RESCC1
Inj Date : 04-MAY-2005 16:23
Operator : SRC: Inst ID: E4.i
Smp Info : RESCC1,RESCC1,,resc.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 1 QC Sample: RESOLUTION
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: resc.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
11 gamma-Chlordane						CAS #: 5103-74-2	
15.6	15.6	0.000	603241	0.00964	0.0096		
10 Endosulfan I						CAS #: 959-98-8	
16.4	16.4	0.000	544845	0.00914	0.0091		
13 4,4'-DDE						CAS #: 72-55-9	
16.6	16.6	0.000	1184527	0.02021	0.020		
14 Dieldrin						CAS #: 60-57-1	
17.2	17.2	0.000	1233992	0.01860	0.019		

Data File: E4C6431F.D
Report Date: 05-May-2005 10:08

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
20 Endosulfan sulfate					CAS #: 1031-07-8		
21.2	21.2	0.000	697998	0.01932	0.019		
22 Endrin ketone					CAS #: 53494-70-5		
21.9	21.9	0.000	724828	0.02005	0.020		
21 Methoxychlor					CAS #: 72-43-5		
20.9	20.9	0.000	2078464	0.09475	0.095		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.07	7.07	0.000	866166	0.01862	0.019		(R)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	861243	0.01861	0.019		(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: E4C6431R.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6431R.D
Lab Smp Id: RESCC1 Client Smp ID: RESCC1
Inj Date : 04-MAY-2005 16:23
Operator : SRC: Inst ID: E4.i
Smp Info : RESCC1,RESCC1,,resc.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 1 QC Sample: RESOLUTION
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: resc.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
11 gamma-Chlordane					CAS #: 5103-74-2		
19.2	19.2	0.000	94328	0.00948	0.0095		
10 Endosulfan I					CAS #: 959-98-8		
19.8	19.8	0.000	91564	0.00926	0.0093		
13 4,4'-DDE					CAS #: 72-55-9		
20.4	20.4	0.000	162259	0.01874	0.019		
14 Dieldrin					CAS #: 60-57-1		
20.7	20.7	0.000	172588	0.01677	0.017		

Data File: E4C6431R.D
Report Date: 05-May-2005 10:09

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
20 Endosulfan sulfate						CAS #: 1031-07-8	
23.8	23.7	0.100	83616	0.01897	0.019		
22 Endrin ketone						CAS #: 53494-70-5	
25.0	25.0	0.000	86333	0.02080	0.021		
21 Methoxychlor						CAS #: 72-43-5	
24.6	24.6	0.000	306231	0.09010	0.090		
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	167596	0.01863	0.019		(R)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	118555	0.01761	0.018		(R)

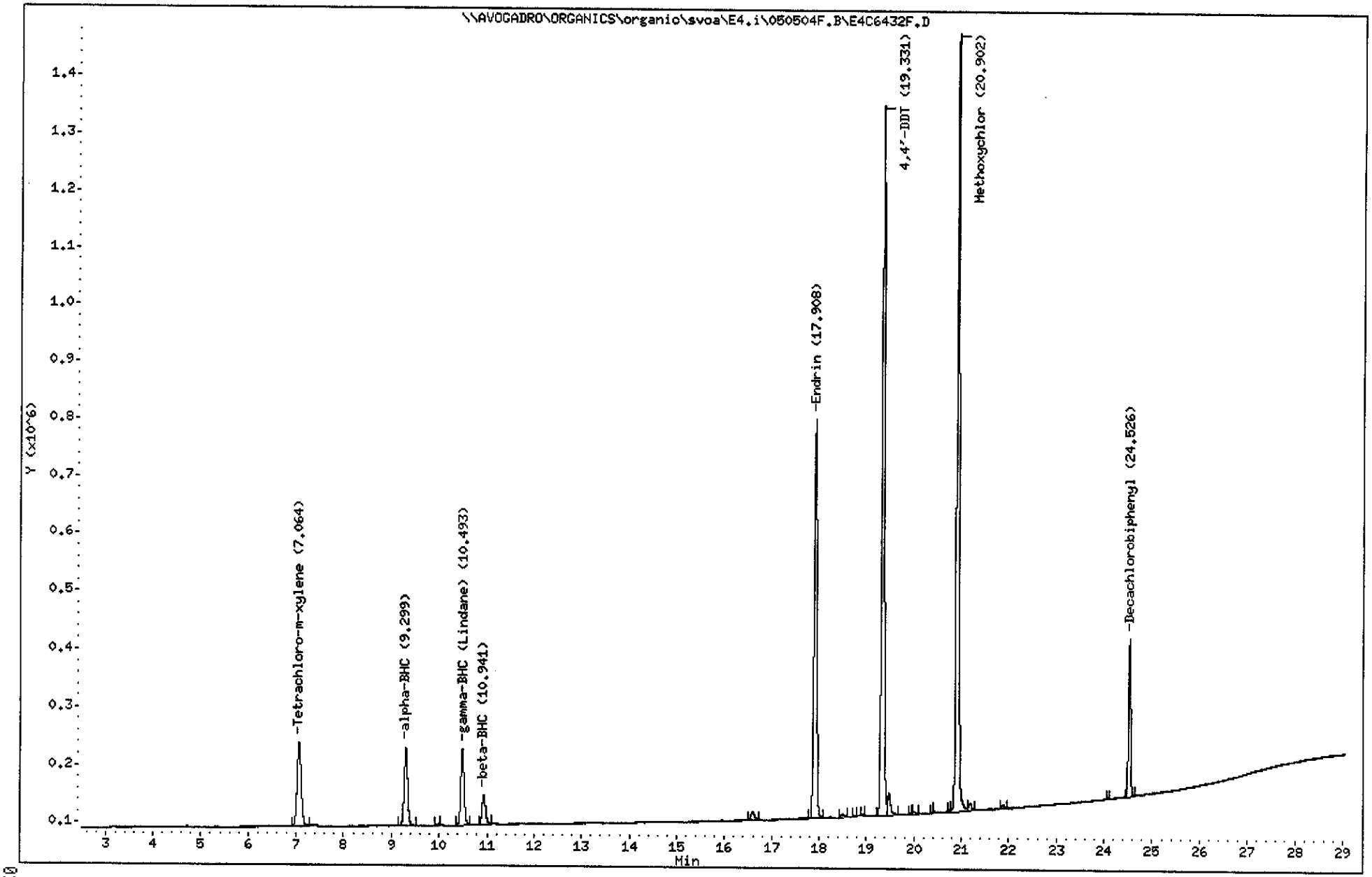
SZ 05/05/05

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6432F.D
Date : 04-MAY-2005 16:59
Client ID: PEMC1
Sample Info: PEMC1,PEMC1,,pem.sub,PEM.SPK,
Volume Injected (uL): 1.0
Column phase: CLPPest

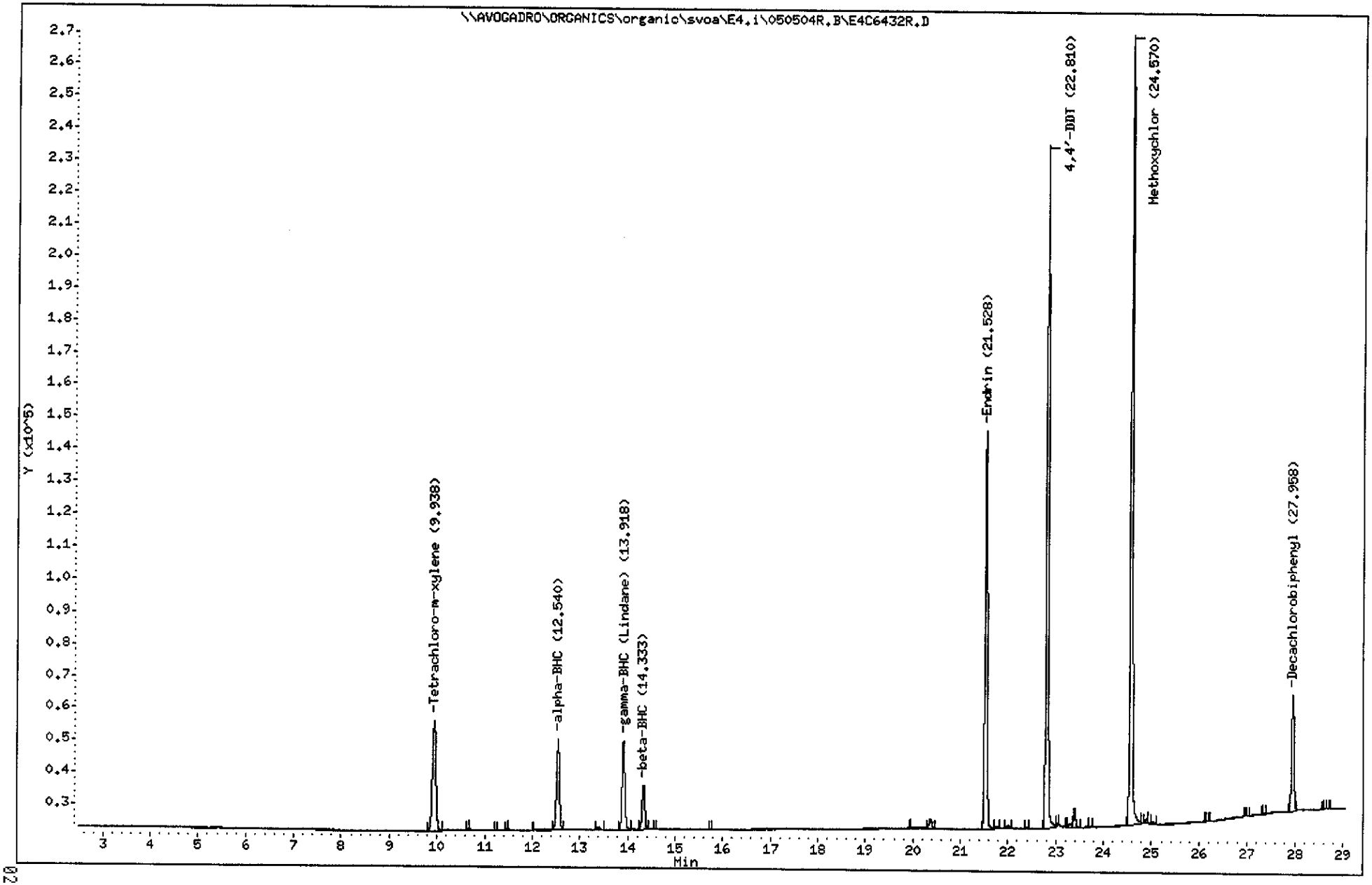
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



9220

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6432R.D
Date : 04-MAY-2005 16:59
Client ID: PEMC1
Sample Info: PEMC1,PEMC1,,pem,sub,PEM.SPK,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0267

Data File: E4C6432F.D
Report Date: 05-May-2005 10:08

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6432F.D
Lab Smp Id: PEMC1 Client Smp ID: PEMC1
Inj Date : 04-MAY-2005 16:59
Operator : SRC: Inst ID: E4.i
Smp Info : PEMC1,PEMC1,,pem.sub,PEM.SPK,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 2 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.06	7.07	-0.010	884851	0.01902	0.019		
3 alpha-BHC						CAS #: 319-84-6	
9.30	9.30	0.000	690712	0.00918	0.0092		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
10.5	10.5	0.000	633547	0.00907	0.0091		
7 beta-BHC						CAS #: 319-85-7	
10.9	10.9	0.000	269638	0.01043	0.010		

Data File: E4C6432F.D
Report Date: 05-May-2005 10:08

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
15 Endrin					CAS #: 72-20-8		
17.9	17.9	0.000	2845835	0.05169	0.052		
18 4,4'-DDT					CAS #: 50-29-3		
19.3	19.3	0.000	4637904	0.09803	0.098		
21 Methoxychlor					CAS #: 72-43-5		
20.9	20.9	0.000	4978218	0.22694	0.23		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	862770	0.01865	0.019		

SZ 05/06/05

Data File: E4C6432R.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6432R.D
Lab Smp Id: PEMC1 Client Smp ID: PEMC1
Inj Date : 04-MAY-2005 16:59
Operator : SRC: Inst ID: E4.i
Smp Info : PEMC1,PEMC1,,pem.sub,PEM.SPK,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 2 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	172257	0.01915	0.019		
3 alpha-BHC						CAS #: 319-84-6	
12.5	12.5	0.000	116200	0.00927	0.0093		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
13.9	13.9	0.000	110488	0.00942	0.0094		
7 beta-BHC						CAS #: 319-85-7	
14.3	14.3	0.000	53713	0.01012	0.010		

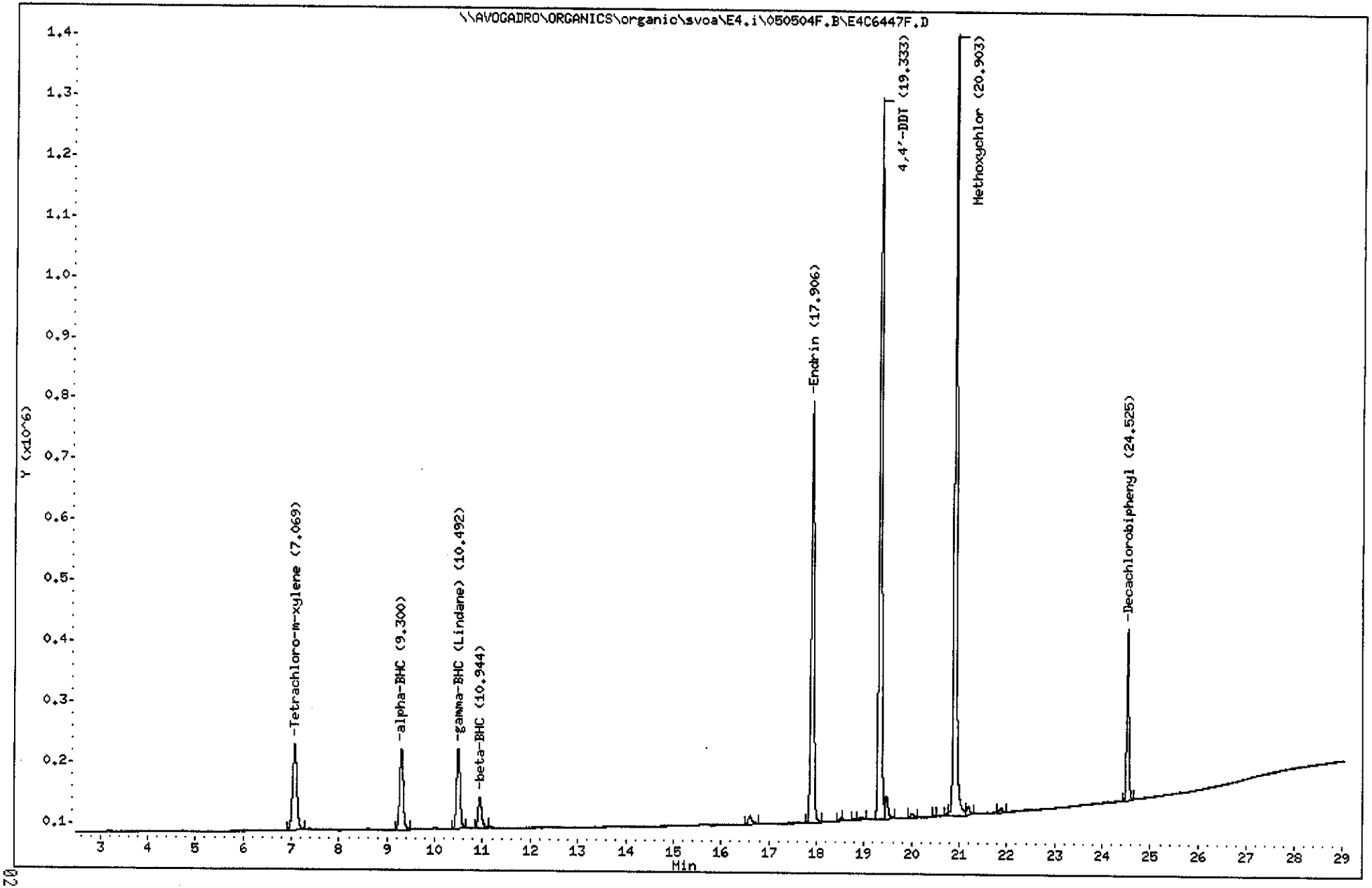
Data File: E4C6432R.D
Report Date: 05-May-2005 10:09

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
15 Endrin					CAS #: 72-20-8		
21.5	21.5	0.000	403184	0.05110	0.051		
18 4,4'-DDT					CAS #: 50-29-3		
22.8	22.8	0.000	652121	0.09338	0.093		
21 Methoxychlor					CAS #: 72-43-5		
24.6	24.6	0.000	746022	0.21949	0.22		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	121778	0.01809	0.018		

SZ 05/06/06

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6447F.D
Date : 05-MAY-2005 02:03
Client ID: PEMC2
Sample Info: PEMC2,PEMC2,,pem.sub,PEM.SPK,
Volume Injected (uL): 1.0
Column phase: CLPPest

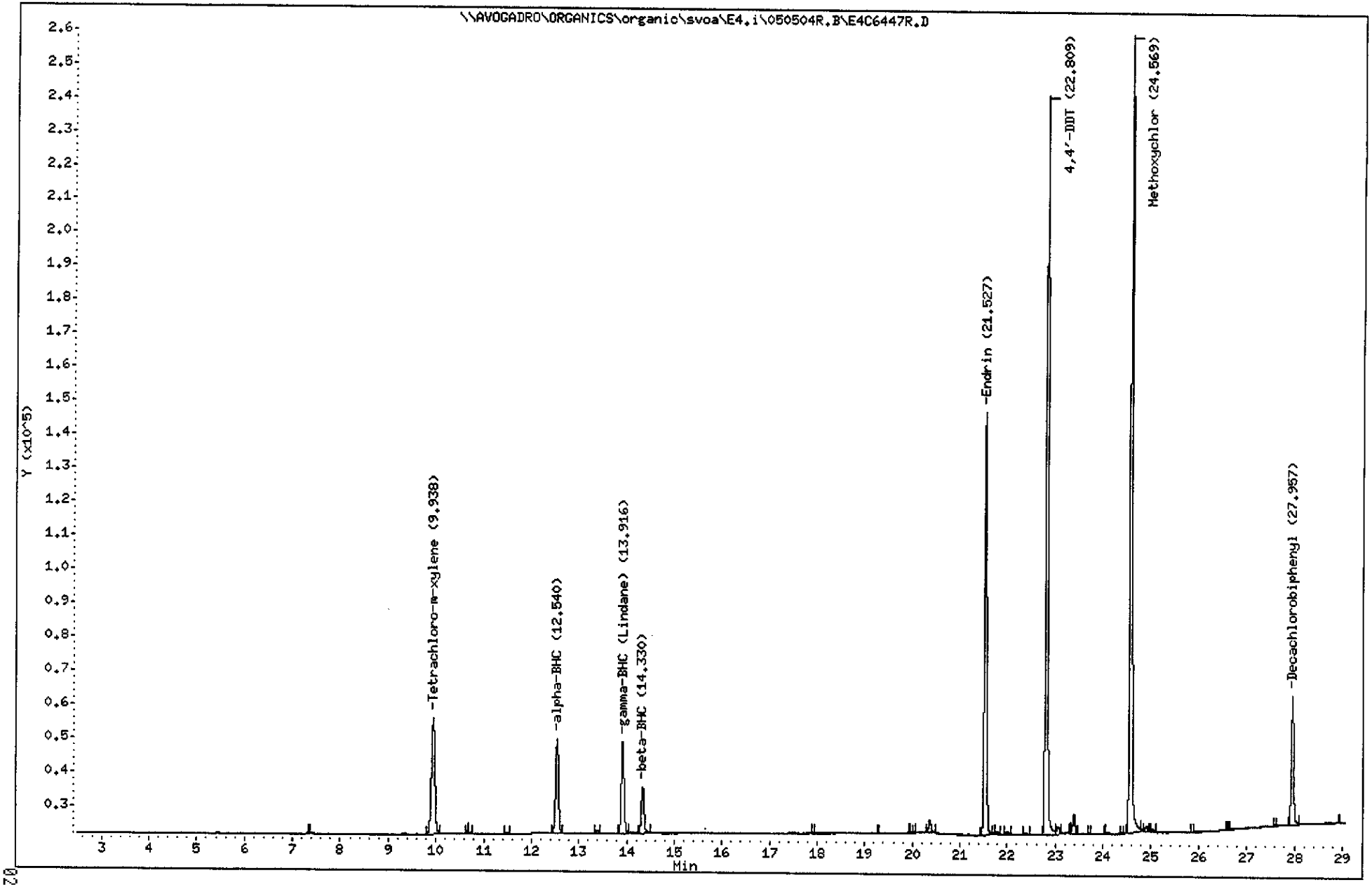
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0272

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6447R.D
Date : 05-MAY-2005 02:03
Client ID: PEMC2
Sample Info: PEMC2,PEMC2,,pem.sub,PEM.SPK,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0273

Data File: E4C6447F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6447F.D
Lab Smp Id: PEMC2 Client Smp ID: PEMC2
Inj Date : 05-MAY-2005 02:03
Operator : SRC: Inst ID: E4.i
Smp Info : PEMC2,PEMC2,,pem.sub,PEM.SPK,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 16 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.07	7.07	0.000	888062	0.01909	0.019		
3 alpha-BHC						CAS #: 319-84-6	
9.30	9.30	0.000	686970	0.00914	0.0091		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
10.5	10.5	0.000	636839	0.00912	0.0091		
7 beta-BHC						CAS #: 319-85-7	
10.9	10.9	0.000	266296	0.01030	0.010		

Data File: E4C6447F.D
Report Date: 05-May-2005 10:09

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
15 Endrin					CAS #: 72-20-8		
17.9	17.9	0.000	2866836	0.05207	0.052		
18 4,4'-DDT					CAS #: 50-29-3		
19.3	19.3	0.000	4557570	0.09633	0.096		
21 Methoxychlor					CAS #: 72-43-5		
20.9	20.9	0.000	4887212	0.22279	0.22		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	895427	0.01935	0.019		

SZ 05/06/05

Data File: E4C6447R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6447R.D
Lab Smp Id: PEMC2 Client Smp ID: PEMC2
Inj Date : 05-MAY-2005 02:03
Operator : SRC: Inst ID: E4.i
Smp Info : PEMC2,PEMC2,,pem.sub,PEM.SPK,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 16 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

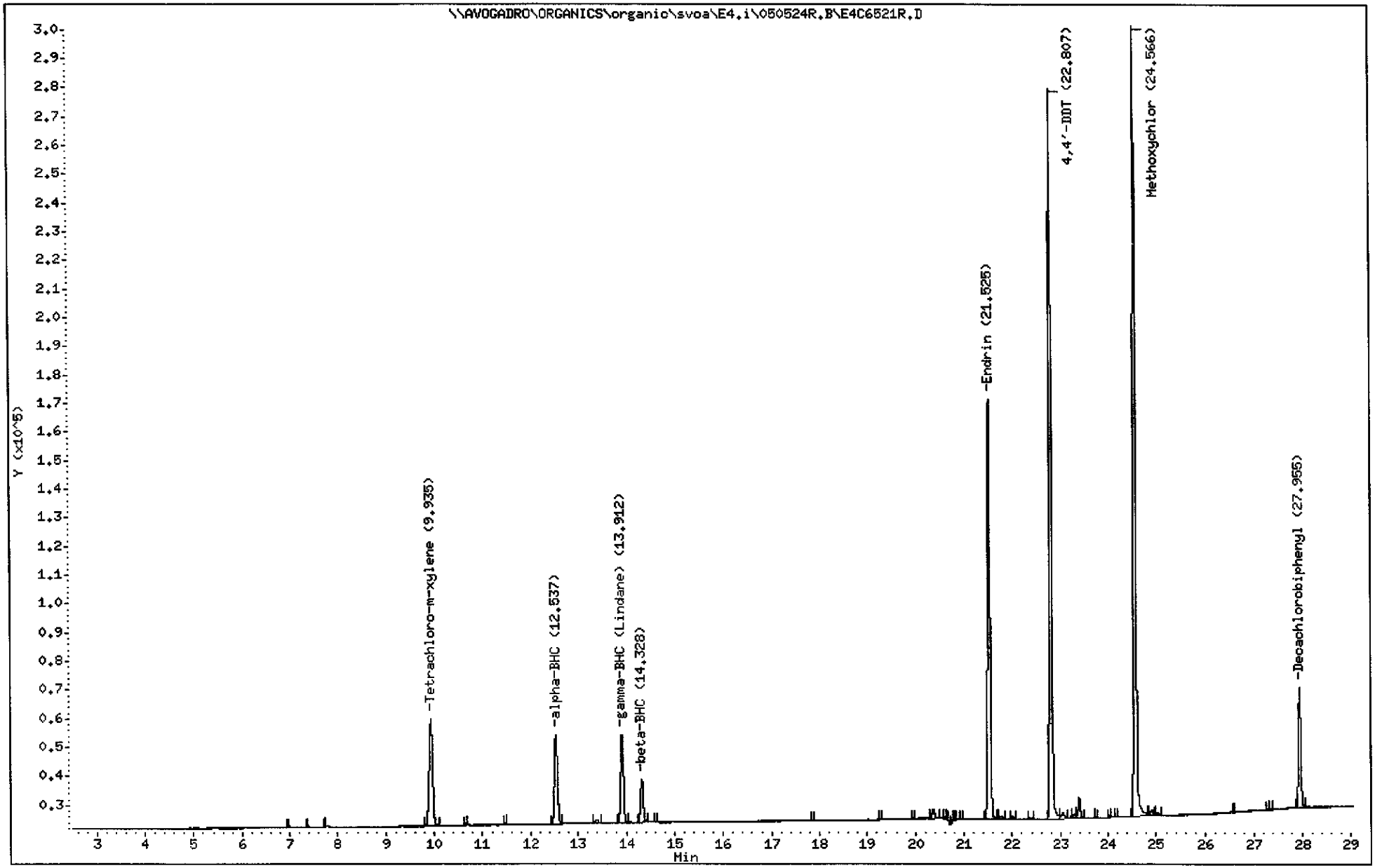
				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	173239	0.01926	0.019		
3 alpha-BHC						CAS #: 319-84-6	
12.5	12.5	0.000	116665	0.00931	0.0093		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
13.9	13.9	0.000	109405	0.00933	0.0093		
7 beta-BHC						CAS #: 319-85-7	
14.3	14.3	0.000	55919	0.01053	0.011		

Data File: E4C6447R.D
Report Date: 05-May-2005 10:10

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
15 Endrin					CAS #: 72-20-8		
21.5	21.5	0.000	409334	0.05188	0.052		
18 4,4'-DDT					CAS #: 50-29-3		
22.8	22.8	0.000	669156	0.09582	0.096		
21 Methoxychlor					CAS #: 72-43-5		
24.6	24.6	0.000	730627	0.21496	0.21		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	128321	0.01906	0.019		

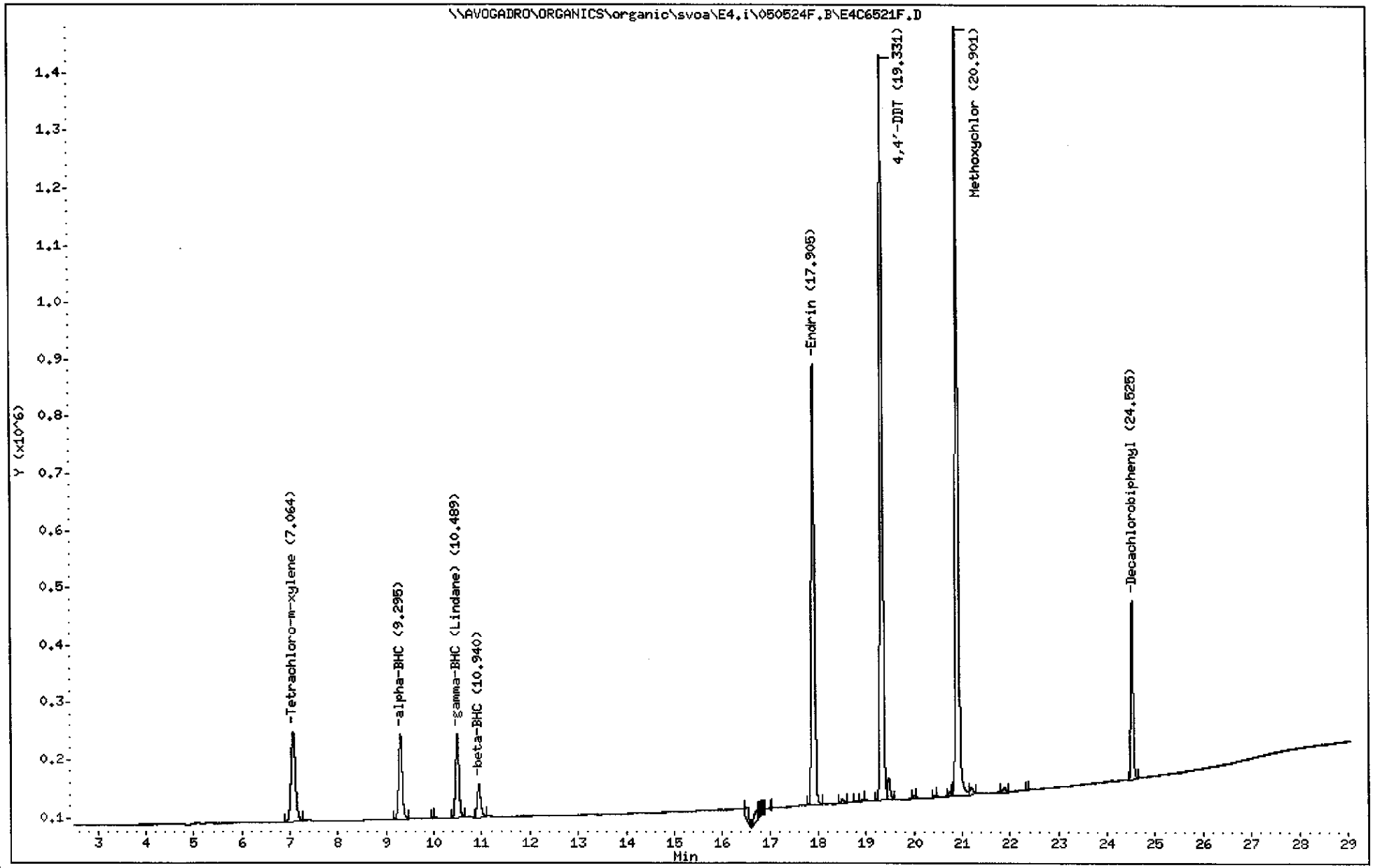
SZ 05/05/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6521R.D
Date : 26-MAY-2005 06:22
Client ID: PEMCG
Instrument: E4.i
Sample Info: PEMCG,PEMCG,,pem,sub,PEM,SPK,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0278

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6521F.D
Date : 26-MAY-2005 06:22
Client ID: PEMCG
Instrument: E4.i
Sample Info: PEMCG,PEMCG,,pem,sub,PEM,SPK,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0279

Data File: E4C6521R.D
Report Date: 27-May-2005 14:21

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6521R.D
Lab Smp Id: PEMCG Client Smp ID: PEMCG
Inj Date : 26-MAY-2005 06:22
Operator : SRC: Inst ID: E4.i
Smp Info : PEMCG,PEMCG,,pem.sub,PEM.SPK,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 1 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.93	9.94	-0.010	185840	0.02066	0.021		
3 alpha-BHC					CAS #: 319-84-6		
12.5	12.5	0.000	128582	0.01026	0.010		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
13.9	13.9	0.000	120432	0.01027	0.010		
7 beta-BHC					CAS #: 319-85-7		
14.3	14.3	0.000	58799	0.01108	0.011		

Data File: E4C6521R.D
Report Date: 27-May-2005 14:21

				CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
RT	EXP RT	DLT RT	RESPONSE				
==	======	========	========	=======	=======	==========	=====
	15 Endrin				CAS #: 72-20-8		
21.5	21.5	0.000	476238	0.06036	0.060		
	18 4,4'-DDT				CAS #: 50-29-3		
22.8	22.8	0.000	775477	0.11105	0.11		
	21 Methoxychlor				CAS #: 72-43-5		
24.6	24.6	0.000	829259	0.24398	0.24		
$	2 Decachlorobiphenyl				CAS #: 2051-24-3		
28.0	28.0	0.000	139859	0.02078	0.021		

Data File: E4C6521F.D
Report Date: 27-May-2005 14:21

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6521F.D
Lab Smp Id: PEMCG Client Smp ID: PEMCG
Inj Date : 26-MAY-2005 06:22
Operator : SRC: Inst ID: E4.i
Smp Info : PEMCG,PEMCG,,pem.sub,PEM.SPK,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 1 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.07	-0.010	964349	0.02073	0.021		
3 alpha-BHC					CAS #: 319-84-6		
9.29	9.30	-0.010	763102	0.01015	0.010		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	711003	0.01018	0.010		
7 beta-BHC					CAS #: 319-85-7		
10.9	10.9	0.000	302258	0.01169	0.012		

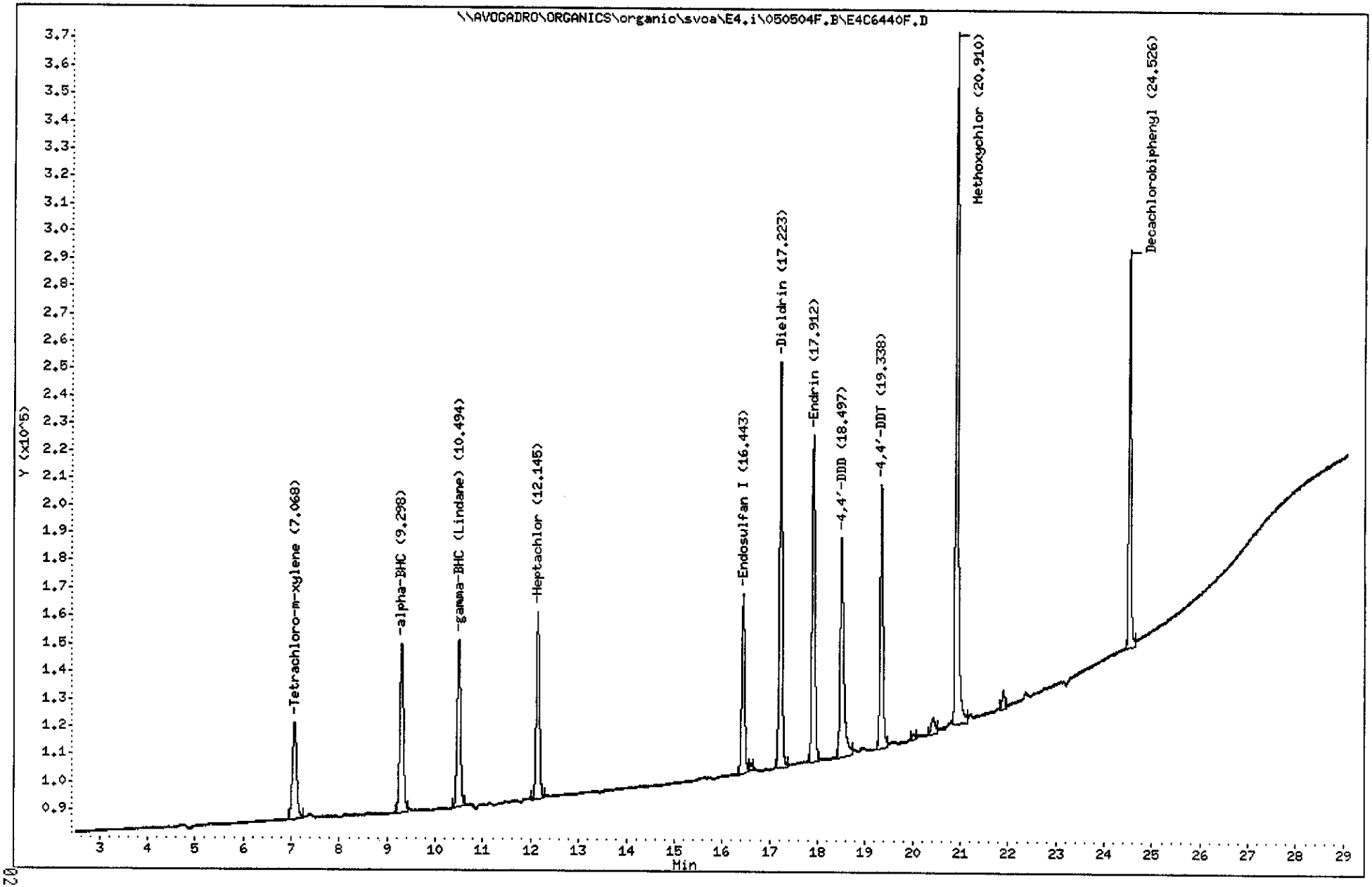
5/31/05

Data File: E4C6521F.D
Report Date: 27-May-2005 14:21

			CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)		
RT	EXP RT	DLT RT	RESPONSE		TARGET RANGE	RATIO
15 Endrin					CAS #: 72-20-8	
17.9	17.9	0.000	3160836	0.05741	0.057	
18 4,4'-DDT					CAS #: 50-29-3	
19.3	19.3	0.000	4947426	0.10457	0.10	
21 Methoxychlor					CAS #: 72-43-5	
20.9	20.9	0.000	5068550	0.23106	0.23	
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3	
24.5	24.5	0.000	977484	0.02113	0.021	

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6440F.D
Date : 04-MAY-2005 21:49
Client ID: INDALC1
Sample Info: INDALC1,INDALC1,,inda.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

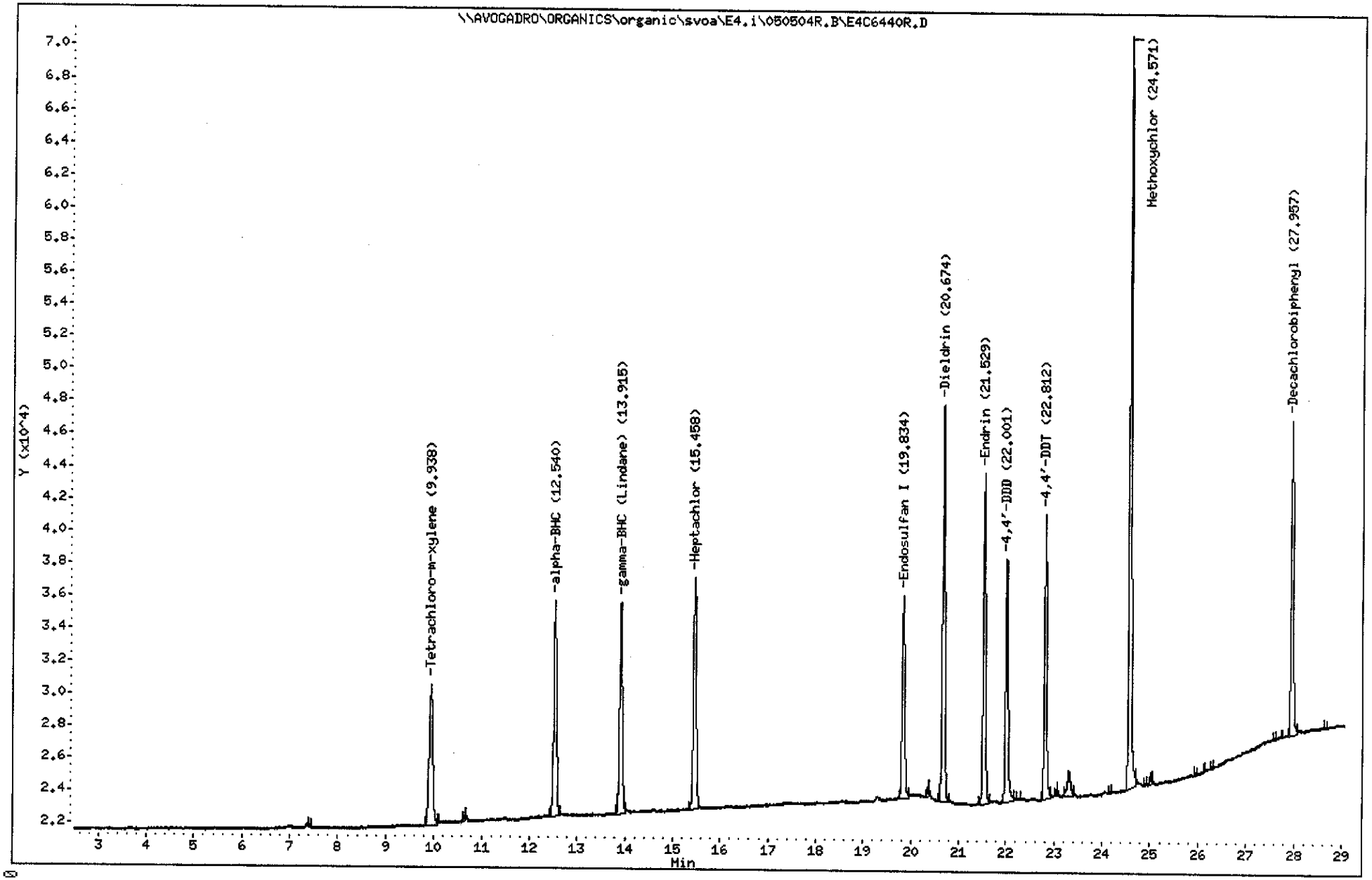
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0284

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6440R.D
Date : 04-MAY-2005 21:49
Client ID: INDALC1
Sample Info: INDALC1,INDALC1,,inda.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0285

Data File: E4C6440F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6440F.D
Lab Smp Id: INDALC1 Client Smp ID: INDALC1
Inj Date : 04-MAY-2005 21:49
Operator : SRC: Inst ID: E4.i
Smp Info : INDALC1,INDALC1,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.07	7.07	0.000	220573	0.00500	0.0047		(a)
3 alpha-BHC						CAS #: 319-84-6	
9.30	9.30	0.000	314538	0.00500	0.0042		(a)
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
10.5	10.5	0.000	293962	0.00500	0.0042		(a)
5 Heptachlor						CAS #: 76-44-8	
12.1	12.1	0.000	313696	0.00500	0.0046		(a)

Data File: E4C6440F.D
Report Date: 05-May-2005 10:09

				AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
RT	EXP RT	DLT RT	RESPONSE				
==	======	========	========	=======	=======	==========	=====
10 Endosulfan I					CAS #: 959-98-8		
16.4	16.4	0.000	273871	0.00500	0.0046		(a)
14 Dieldrin					CAS #: 60-57-1		
17.2	17.2	0.000	597979	0.01000	0.0090		(a)
15 Endrin					CAS #: 72-20-8		
17.9	17.9	0.000	495204	0.01000	0.0090		(a)
16 4,4'-DDD					CAS #: 72-54-8		
18.5	18.5	0.000	419311	0.01000	0.0085		(a)
18 4,4'-DDT					CAS #: 50-29-3		
19.3	19.3	0.000	393822	0.01000	0.0083		(a)
21 Methoxychlor					CAS #: 72-43-5		
20.9	20.9	0.000	994748	0.05000	0.045		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	458603	0.01000	0.0099		(a)

SZ 05/06/05

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6440R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6440R.D
Lab Smp Id: INDALC1 Client Smp ID: INDALC1
Inj Date : 04-MAY-2005 21:49
Operator : SRC: Inst ID: E4.i
Smp Info : INDALC1,INDALC1,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	44850	0.00500	0.0050		(a)
3 alpha-BHC					CAS #: 319-84-6		
12.5	12.5	0.000	55275	0.00500	0.0044		(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
13.9	13.9	0.000	52189	0.00500	0.0045		(a)
5 Heptachlor					CAS #: 76-44-8		
15.5	15.5	0.000	59629	0.00500	0.0048		(a)

Data File: E4C6440R.D
Report Date: 05-May-2005 10:10

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
10 Endosulfan I						CAS #: 959-98-8		
19.8	19.8	0.000	46933	0.00500	0.0047			(a)
14 Dieldrin						CAS #: 60-57-1		
20.7	20.7	0.000	86042	0.01000	0.0084			(a)
15 Endrin						CAS #: 72-20-8		
21.5	21.5	0.000	69557	0.01000	0.0088			(a)
16 4,4'-DDD						CAS #: 72-54-8		
22.0	22.0	0.000	52227	0.01000	0.0082			(a)
18 4,4'-DDT						CAS #: 50-29-3		
22.8	22.8	0.000	57041	0.01000	0.0082			(a)
21 Methoxychlor						CAS #: 72-43-5		
24.6	24.6	0.000	146063	0.05000	0.043			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
28.0	28.0	0.000	65539	0.01000	0.0097			(a)

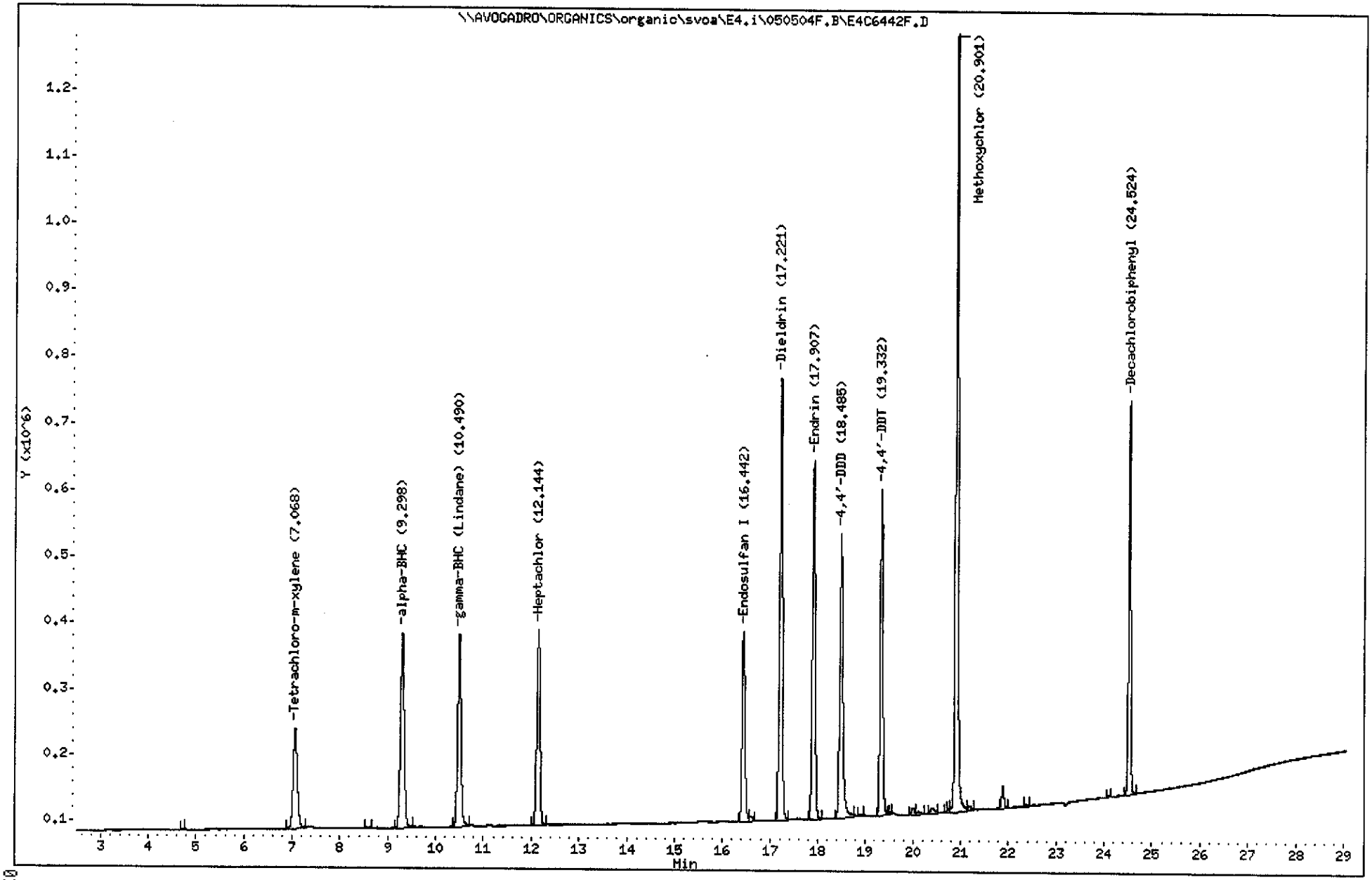
SC 05/09/05

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6442F.D
Date : 04-MAY-2005 23:02
Client ID: INDAMC1
Sample Info: INDAMC1,INDAMC1,,inda.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53

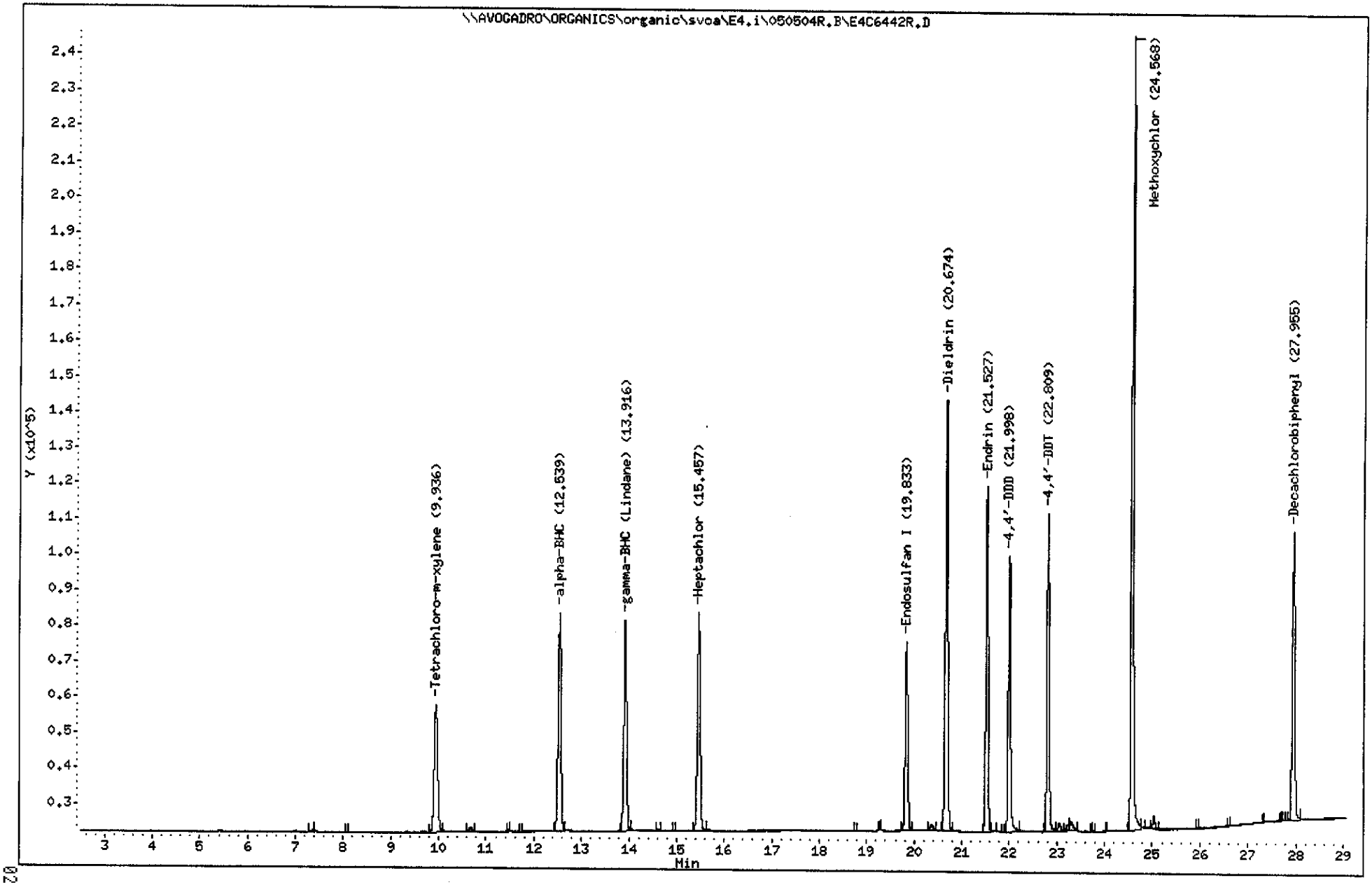


0290

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6442R.D
Date : 04-MAY-2005 23:02
Client ID: INDAMC1
Sample Info: INDAMC1,INDAMC1,,inda.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i

Operator: SRC:
Column diameter: 0.53



0291

Data File: E4C6442F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6442F.D
Lab Smp Id: INDAMC1 Client Smp ID: INDAMC1
Inj Date : 04-MAY-2005 23:02
Operator : SRC: Inst ID: E4.i
Smp Info : INDAMC1,INDAMC1,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.07	7.07	0.000	930402	0.02000	0.020		(a)
3 alpha-BHC					CAS #: 319-84-6		
9.30	9.30	0.000	1504019	0.02000	0.020		(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	1396467	0.02000	0.020		(a)
5 Heptachlor					CAS #: 76-44-8		
12.1	12.1	0.000	1363926	0.02000	0.020		(a)

Data File: E4C6442F.D
Report Date: 05-May-2005 10:09

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
10 Endosulfan I						CAS #: 959-98-8		
16.4	16.4	0.000	1192738	0.02000	0.020			(a)
14 Dieldrin						CAS #: 60-57-1		
17.2	17.2	0.000	2653493	0.04000	0.040			(a)
15 Endrin						CAS #: 72-20-8		
17.9	17.9	0.000	2202341	0.04000	0.040			(a)
16 4,4'-DDD						CAS #: 72-54-8		
18.5	18.5	0.000	1967716	0.04000	0.040			(a)
18 4,4'-DDT						CAS #: 50-29-3		
19.3	19.3	0.000	1892432	0.04000	0.040			(a)
21 Methoxychlor						CAS #: 72-43-5		
20.9	20.9	0.000	4387200	0.20000	0.20			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
24.5	24.5	0.000	1850822	0.04000	0.040			(a)

5/5/05 05

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6442R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6442R.D
Lab Smp Id: INDAMC1 Client Smp ID: INDAMC1
Inj Date : 04-MAY-2005 23:02
Operator : SRC: Inst ID: E4.i
Smp Info : INDAMC1,INDAMC1,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	179936	0.02000	0.020		(a)
3 alpha-BHC					CAS #: 319-84-6		
12.5	12.5	0.000	250678	0.02000	0.020		(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
13.9	13.9	0.000	234486	0.02000	0.020		(a)
5 Heptachlor					CAS #: 76-44-8		
15.5	15.5	0.000	250851	0.02000	0.020		(a)

Data File: E4C6442R.D
Report Date: 05-May-2005 10:10

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
10 Endosulfan I					CAS #: 959-98-8			
19.8	19.8	0.000	197710	0.02000	0.020			(a)
14 Dieldrin					CAS #: 60-57-1			
20.7	20.7	0.000	411670	0.04000	0.040			(a)
15 Endrin					CAS #: 72-20-8			
21.5	21.5	0.000	315616	0.04000	0.040			(a)
16 4,4'-DDD					CAS #: 72-54-8			
22.0	22.0	0.000	255499	0.04000	0.040			(a)
18 4,4'-DDT					CAS #: 50-29-3			
22.8	22.8	0.000	279336	0.04000	0.040			(a)
21 Methoxychlor					CAS #: 72-43-5			
24.6	24.6	0.000	679771	0.20000	0.20			(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
28.0	28.0	0.000	269272	0.04000	0.040			(a)

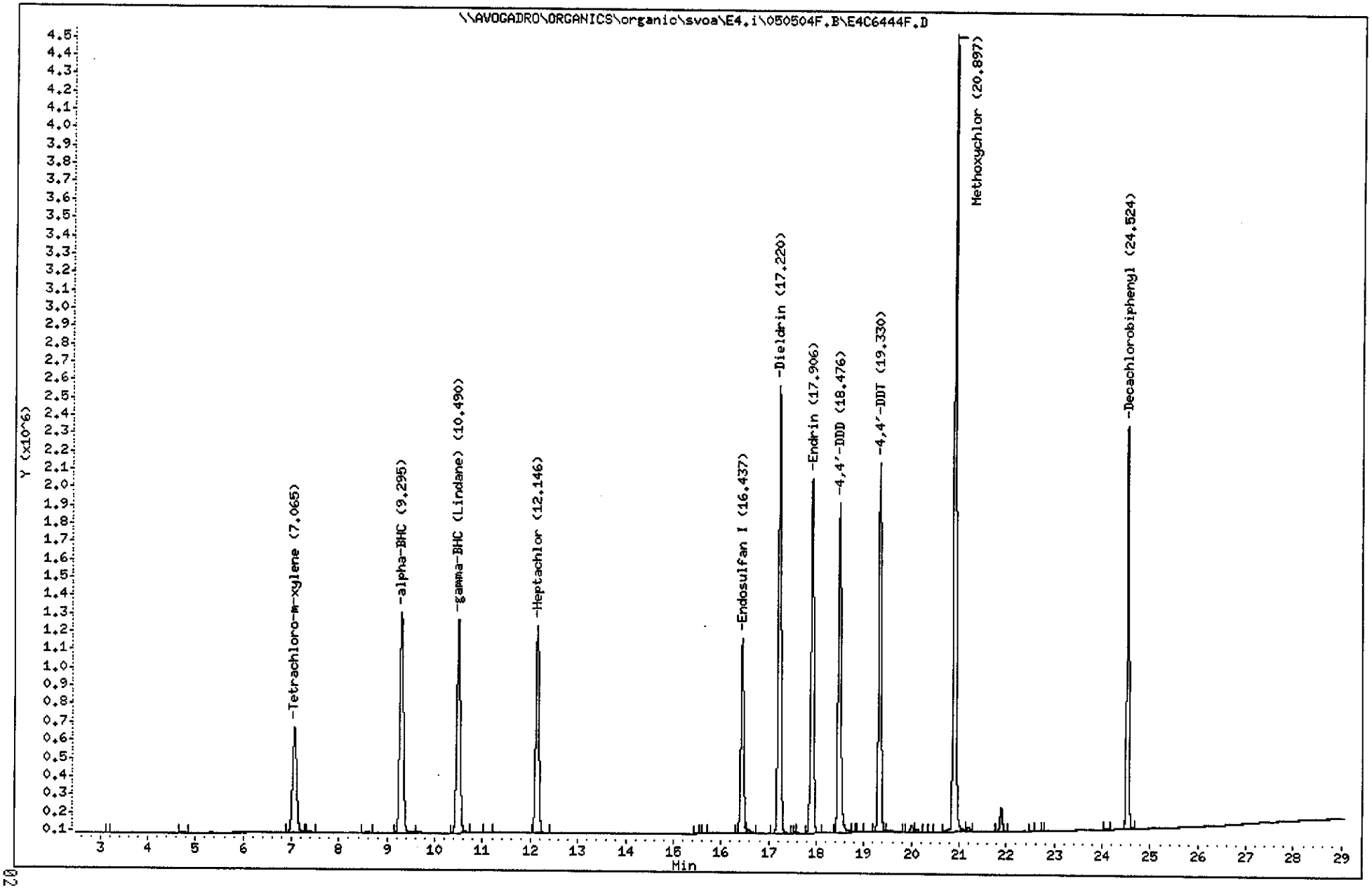
SZ00705706

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6444F.D
Date : 05-MAY-2005 00:14
Client ID: INDAHC1
Sample Info: INDAHC1,INDAHC1,,inda.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

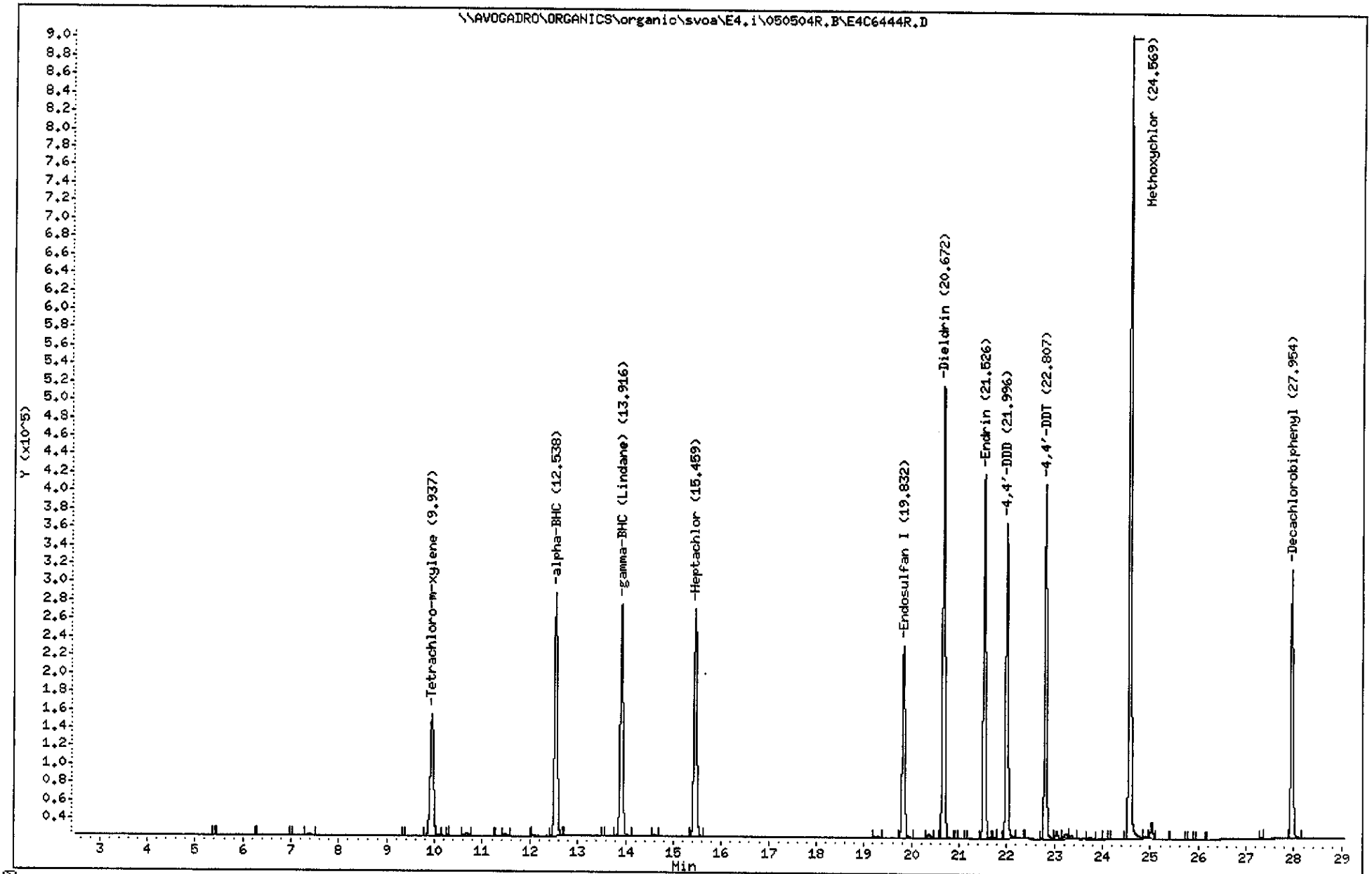
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0296

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6444R.D
Date : 05-MAY-2005 00:14
Client ID: INDAHC1
Sample Info: INDAHC1,INDAHC1,,inda.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0297

Data File: E4C6444F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6444F.D
Lab Smp Id: INDAHC1 Client Smp ID: INDAHC1
Inj Date : 05-MAY-2005 00:14
Operator : SRC: Inst ID: E4.i
Smp Info : INDAHC1,INDAHC1,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.07	-0.010	3506759	0.08000	0.075		
3 alpha-BHC					CAS #: 319-84-6		
9.29	9.30	-0.010	6179433	0.08000	0.082		(A)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	5617996	0.08000	0.080		(A)
5 Heptachlor					CAS #: 76-44-8		
12.1	12.1	0.000	5322522	0.08000	0.078		

Data File: E4C6444F.D
Report Date: 05-May-2005 10:09

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
10 Endosulfan I						CAS #: 959-98-8		
16.4	16.4	0.000	4457535	0.08000	0.075			
14 Dieldrin						CAS #: 60-57-1		
17.2	17.2	0.000	9924799	0.16000	0.15			
15 Endrin						CAS #: 72-20-8		
17.9	17.9	0.000	8158517	0.16000	0.15			
16 4,4'-DDD						CAS #: 72-54-8		
18.5	18.5	0.000	7752090	0.16000	0.16			
18 4,4'-DDT						CAS #: 50-29-3		
19.3	19.3	0.000	7756356	0.16000	0.16			(A)
21 Methoxychlor						CAS #: 72-43-5		
20.9	20.9	0.000	15852821	0.80000	0.72			
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
24.5	24.5	0.000	6803610	0.16000	0.15			(A)

5/2005/05

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: E4C6444R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6444R.D
Lab Smp Id: INDAHC1 Client Smp ID: INDAHC1
Inj Date : 05-MAY-2005 00:14
Operator : SRC: Inst ID: E4.i
Smp Info : INDAHC1,INDAHC1,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
RT	EXP RT	DLT RT	RESPONSE					
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
9.94	9.94	0.000	661187	0.08000	0.073			
3 alpha-BHC						CAS #: 319-84-6		
12.5	12.5	0.000	1068983	0.08000	0.085			(A)
4 gamma-BHC (Lindane)						CAS #: 58-89-9		
13.9	13.9	0.000	983780	0.08000	0.084			(A)
5 Heptachlor						CAS #: 76-44-8		
15.5	15.5	0.000	1001040	0.08000	0.080			

Data File: E4C6444R.D
Report Date: 05-May-2005 10:10

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
10 Endosulfan I						CAS #: 959-98-8		
19.8	19.8	0.000	769328	0.08000	0.078			
14 Dieldrin						CAS #: 60-57-1		
20.7	20.7	0.000	1671601	0.16000	0.16			(A)
15 Endrin						CAS #: 72-20-8		
21.5	21.5	0.000	1302441	0.16000	0.17			(A)
16 4,4'-DDD						CAS #: 72-54-8		
22.0	22.0	0.000	1089562	0.16000	0.17			(A)
18 4,4'-DDT						CAS #: 50-29-3		
22.8	22.8	0.000	1170393	0.16000	0.17			(A)
21 Methoxychlor						CAS #: 72-43-5		
24.6	24.6	0.000	2657805	0.80000	0.78			
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
28.0	28.0	0.000	969120	0.16000	0.14			(A)

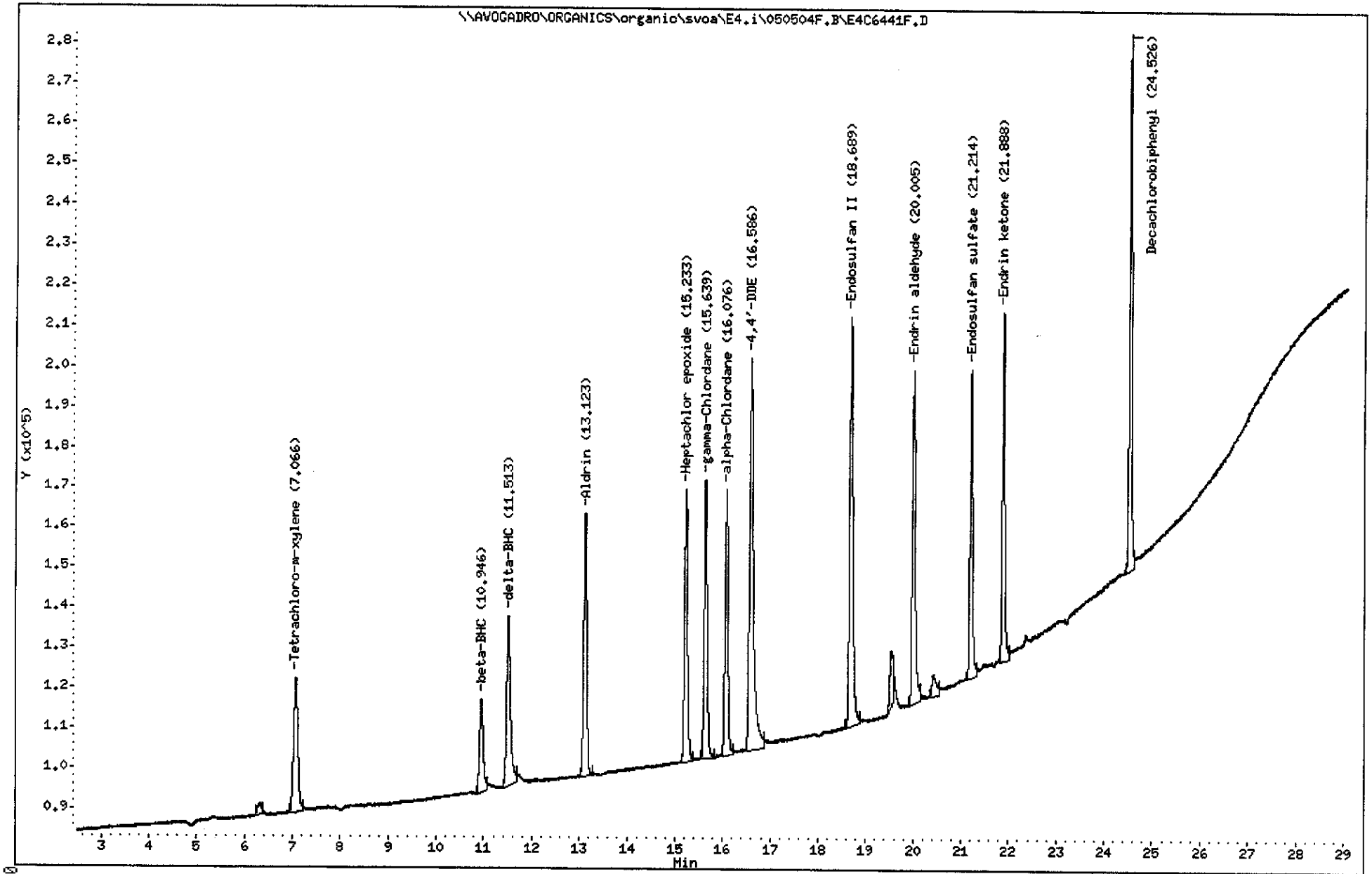
SZ 05/05/05

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6441F.D
Date : 04-MAY-2005 22:25
Client ID: INDBLC1
Sample Info: INDBLC1,INDBLC1,,indb,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53

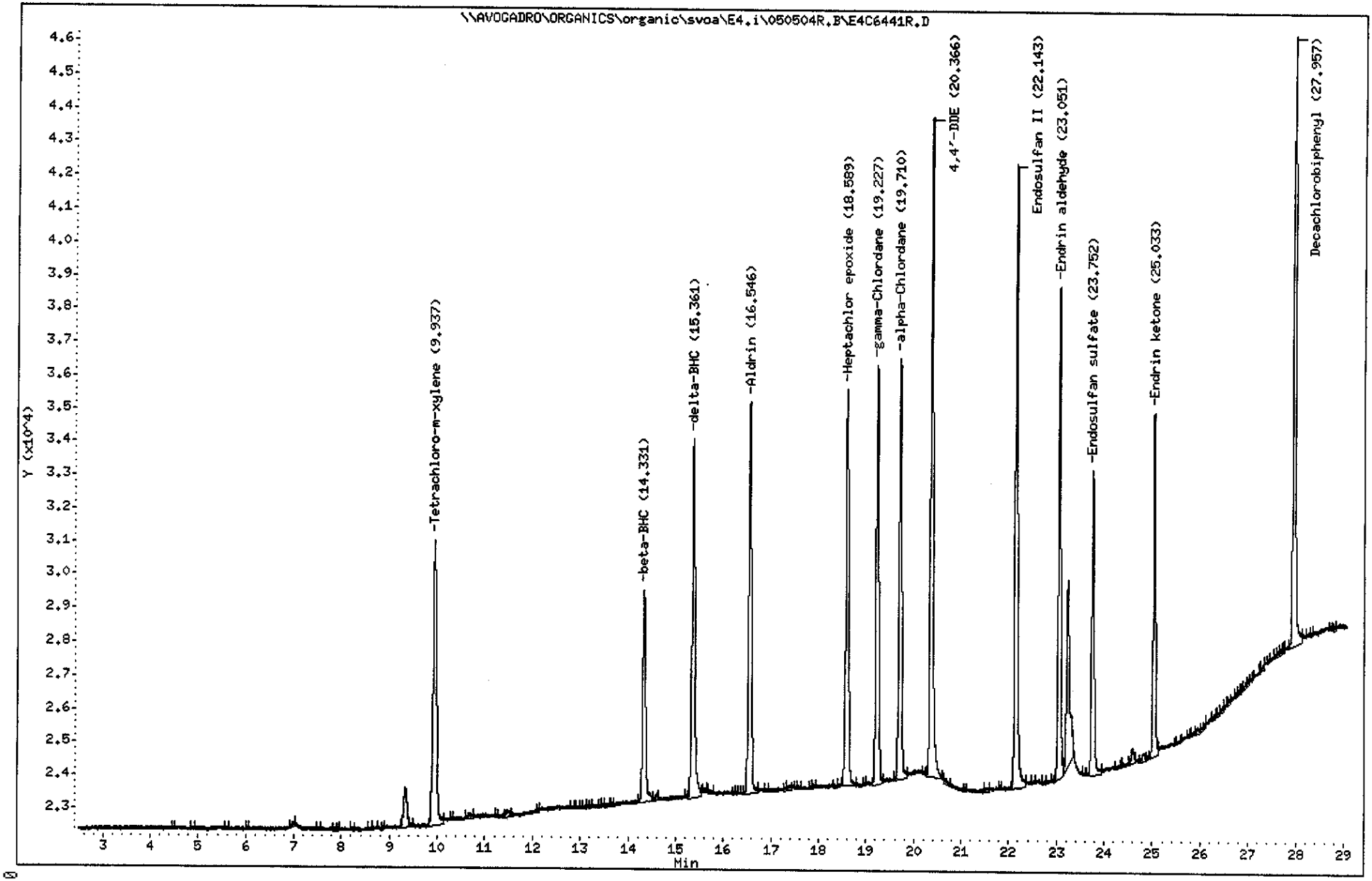


0202

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6441R.D
Date : 04-MAY-2005 22:25
Client ID: INDBLC1
Sample Info: INDBLC1,INDBLC1,,indb.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i

Operator: SRC:
Column diameter: 0.53



0203

Data File: E4C6441F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6441F.D
Lab Smp Id: INDBLC1 Client Smp ID: INDBLC1
Inj Date : 04-MAY-2005 22:25
Operator : SRC: Inst ID: E4.i
Smp Info : INDBLC1,INDBLC1,,indb.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.07	7.07	0.000	210622	0.00500	0.0045		(a)
6 Aldrin						CAS #: 309-00-2	
13.1	13.1	0.000	294485	0.00500	0.0047		(a)
7 beta-BHC						CAS #: 319-85-7	
10.9	10.9	0.000	123251	0.00500	0.0048		(a)
8 delta-BHC						CAS #: 319-86-8	
11.5	11.5	0.000	236030	0.00500	0.0041		(a)

Data File: E4C6441F.D
Report Date: 05-May-2005 10:09

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
9 Heptachlor epoxide					CAS #: 1024-57-3		
15.2	15.2	0.000	289450	0.00500	0.0048		(a)
11 gamma-Chlordane					CAS #: 5103-74-2		
15.6	15.6	0.000	298500	0.00500	0.0048		(a)
12 alpha-Chlordane					CAS #: 5103-71-9		
16.1	16.1	0.000	280074	0.00500	0.0049		(a)
13 4,4'-DDE					CAS #: 72-55-9		
16.6	16.6	0.000	549824	0.01000	0.0094		(a)
17 Endosulfan II					CAS #: 33213-65-9		
18.7	18.7	0.000	494744	0.01000	0.0096		(a)
19 Endrin aldehyde					CAS #: 7421-93-4		
20.0	20.0	0.000	353998	0.01000	0.0093		(a)
20 Endosulfan sulfate					CAS #: 1031-07-8		
21.2	21.2	0.000	290515	0.01000	0.0080		(a)
22 Endrin ketone					CAS #: 53494-70-5		
21.9	21.9	0.000	313321	0.01000	0.0087		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	432102	0.01000	0.0093		(a)

SZ 05/06/06

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6441R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6441R.D
Lab Smp Id: INDBLC1 Client Smp ID: INDBLC1
Inj Date : 04-MAY-2005 22:25
Operator : SRC: Inst ID: E4.i
Smp Info : INDBLC1,INDBLC1,,indb.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	44215	0.00500	0.0049		(a)
6 Aldrin					CAS #: 309-00-2		
16.5	16.5	0.000	48746	0.00500	0.0049		(a)
7 beta-BHC					CAS #: 319-85-7		
14.3	14.3	0.000	27237	0.00500	0.0051		(a)
8 delta-BHC					CAS #: 319-86-8		
15.4	15.4	0.000	44607	0.00500	0.0045		(a)

Data File: E4C6441R.D
Report Date: 05-May-2005 10:10

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
	9 Heptachlor epoxide				CAS #: 1024-57-3		
18.6	18.6	0.000	49096	0.00500	0.0050		(a)
	11 gamma-Chlordane				CAS #: 5103-74-2		
19.2	19.2	0.000	49058	0.00500	0.0049		(a)
	12 alpha-Chlordane				CAS #: 5103-71-9		
19.7	19.7	0.000	48711	0.00500	0.0051		(a)
	13 4,4'-DDE				CAS #: 72-55-9		
20.4	20.4	0.000	75906	0.01000	0.0088		(a)
	17 Endosulfan II				CAS #: 33213-65-9		
22.1	22.1	0.000	69043	0.01000	0.0095		(a)
	19 Endrin aldehyde				CAS #: 7421-93-4		
23.1	23.0	0.100	49805	0.01000	0.0093		(a)
	20 Endosulfan sulfate				CAS #: 1031-07-8		
23.8	23.7	0.100	30911	0.01000	0.0070		(a)
	22 Endrin ketone				CAS #: 53494-70-5		
25.0	25.0	0.000	32272	0.01000	0.0078		(a)
$	2 Decachlorobiphenyl				CAS #: 2051-24-3		
28.0	28.0	0.000	63433	0.01000	0.0094		(a)

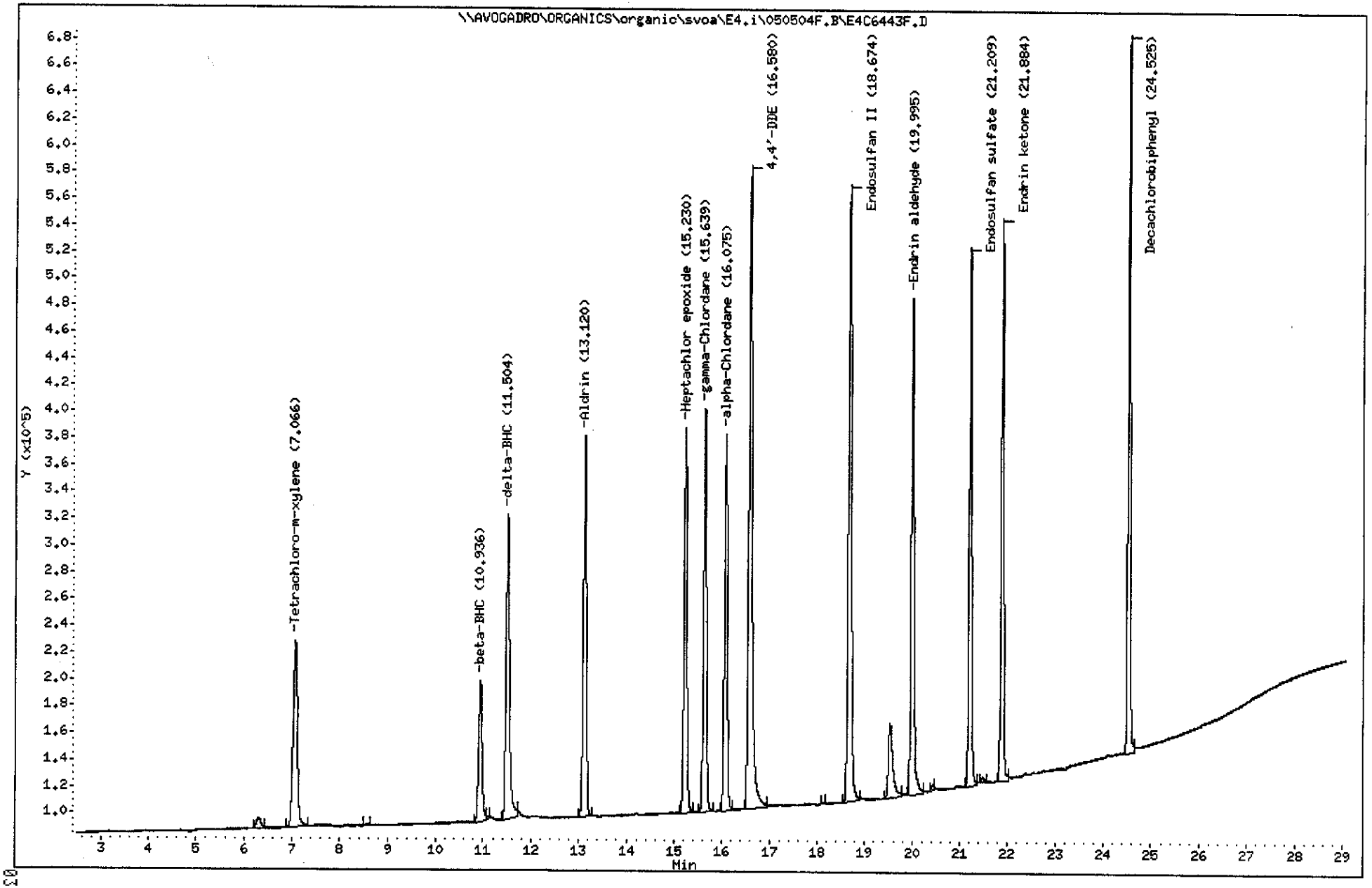
SZ 05/06/05

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6443F.D
Date : 04-MAY-2005 23:38
Client ID: INDBMC1
Sample Info: INDBMC1,INDBMC1,,indb.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

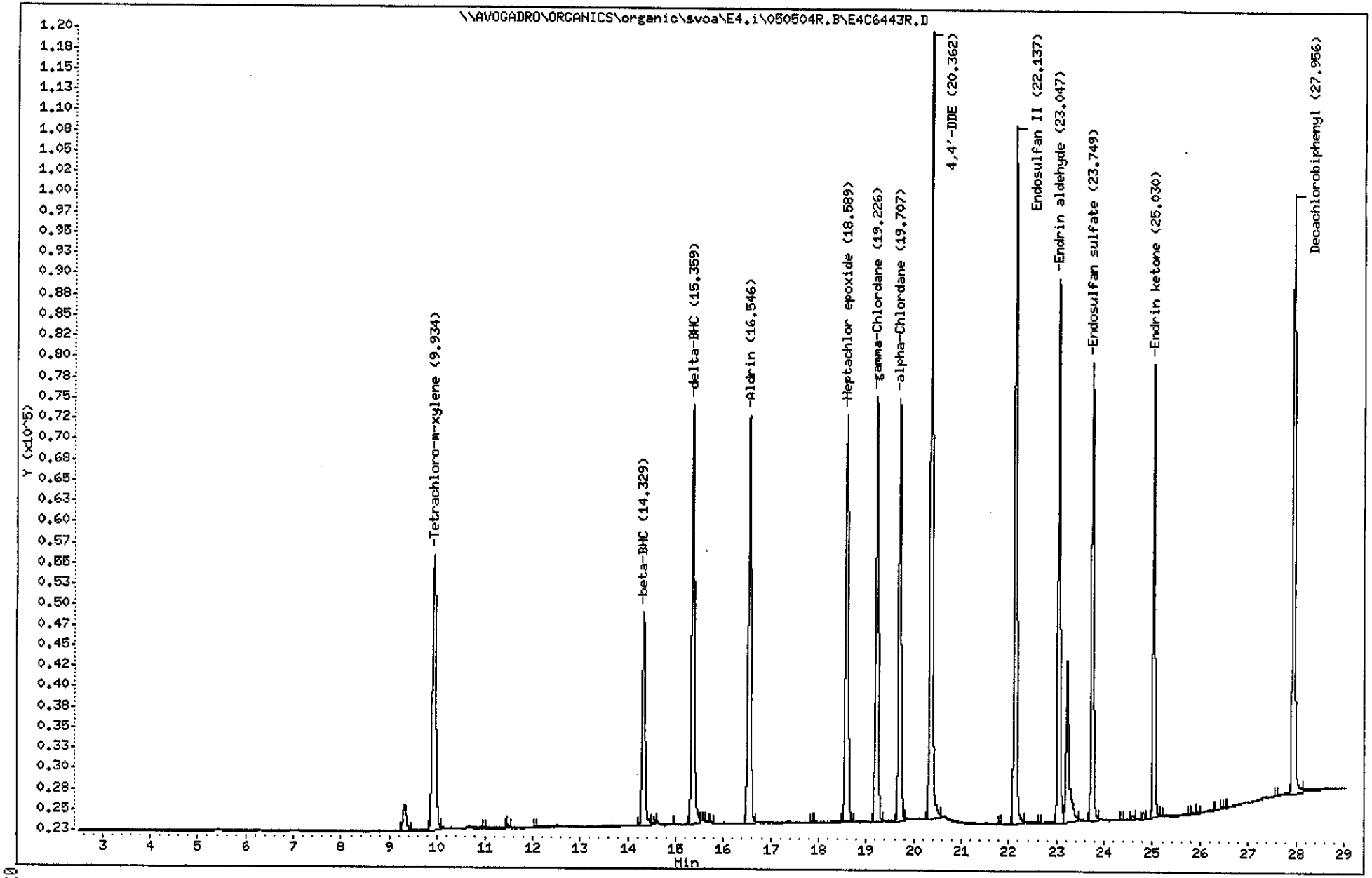
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



8020

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6443R.D
Date : 04-MAY-2005 23:38
Client ID: INDBMC1
Sample Info: INDBMC1,INDBMC1,,indb.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



6020

Data File: E4C6443F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6443F.D
Lab Smp Id: INDBMC1 Client Smp ID: INDBMC1
Inj Date : 04-MAY-2005 23:38
Operator : SRC: Inst ID: E4.i
Smp Info : INDBMC1,INDBMC1,,indb.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.07	7.07	0.000	872988	0.02000	0.019		(a)
6 Aldrin					CAS #: 309-00-2		
13.1	13.1	0.000	1250779	0.02000	0.020		(a)
7 beta-BHC					CAS #: 319-85-7		
10.9	10.9	0.000	517204	0.02000	0.020		(a)
8 delta-BHC					CAS #: 319-86-8		
11.5	11.5	0.000	1160800	0.02000	0.020		(a)

Data File: E4C6443F.D
Report Date: 05-May-2005 10:09

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
9 Heptachlor epoxide						CAS #: 1024-57-3		
15.2	15.2	0.000	1194580	0.02000	0.020			(a)
11 gamma-Chlordane						CAS #: 5103-74-2		
15.6	15.6	0.000	1252135	0.02000	0.020			(a)
12 alpha-Chlordane						CAS #: 5103-71-9		
16.1	16.1	0.000	1151321	0.02000	0.020			(a)
13 4,4'-DDE						CAS #: 72-55-9		
16.6	16.6	0.000	2343905	0.04000	0.040			(a)
17 Endosulfan II						CAS #: 33213-65-9		
18.7	18.7	0.000	2071860	0.04000	0.040			(a)
19 Endrin aldehyde						CAS #: 7421-93-4		
20.0	20.0	0.000	1525640	0.04000	0.040			(a)
20 Endosulfan sulfate						CAS #: 1031-07-8		
21.2	21.2	0.000	1445280	0.04000	0.040			(a)
22 Endrin ketone						CAS #: 53494-70-5		
21.9	21.9	0.000	1445743	0.04000	0.040			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
24.5	24.5	0.000	1705036	0.04000	0.037			(a)

SZ 05/05/06

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6443R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6443R.D
Lab Smp Id: INDBMC1 Client Smp ID: INDBMC1
Inj Date : 04-MAY-2005 23:38
Operator : SRC: Inst ID: E4.i
Smp Info : INDBMC1,INDBMC1,,indb.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.93	9.94	-0.010	167393	0.02000	0.019		(a)
6 Aldrin					CAS #: 309-00-2		
16.5	16.5	0.000	198382	0.02000	0.020		(a)
7 beta-BHC					CAS #: 319-85-7		
14.3	14.3	0.000	106159	0.02000	0.020		(a)
8 delta-BHC					CAS #: 319-86-8		
15.4	15.4	0.000	198094	0.02000	0.020		(a)

Data File: E4C6443R.D
Report Date: 05-May-2005 10:10

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
9 Heptachlor epoxide						CAS #: 1024-57-3		
18.6	18.6	0.000	196635	0.02000	0.020			(a)
11 gamma-Chlordane						CAS #: 5103-74-2		
19.2	19.2	0.000	199000	0.02000	0.020			(a)
12 alpha-Chlordane						CAS #: 5103-71-9		
19.7	19.7	0.000	190587	0.02000	0.020			(a)
13 4,4'-DDE						CAS #: 72-55-9		
20.4	20.4	0.000	346377	0.04000	0.040			(a)
17 Endosulfan II						CAS #: 33213-65-9		
22.1	22.1	0.000	291035	0.04000	0.040			(a)
19 Endrin aldehyde						CAS #: 7421-93-4		
23.0	23.0	0.000	213818	0.04000	0.040			(a)
20 Endosulfan sulfate						CAS #: 1031-07-8		
23.7	23.7	0.000	176294	0.04000	0.040			(a)
22 Endrin ketone						CAS #: 53494-70-5		
25.0	25.0	0.000	166030	0.04000	0.040			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
28.0	28.0	0.000	248531	0.04000	0.037			(a)

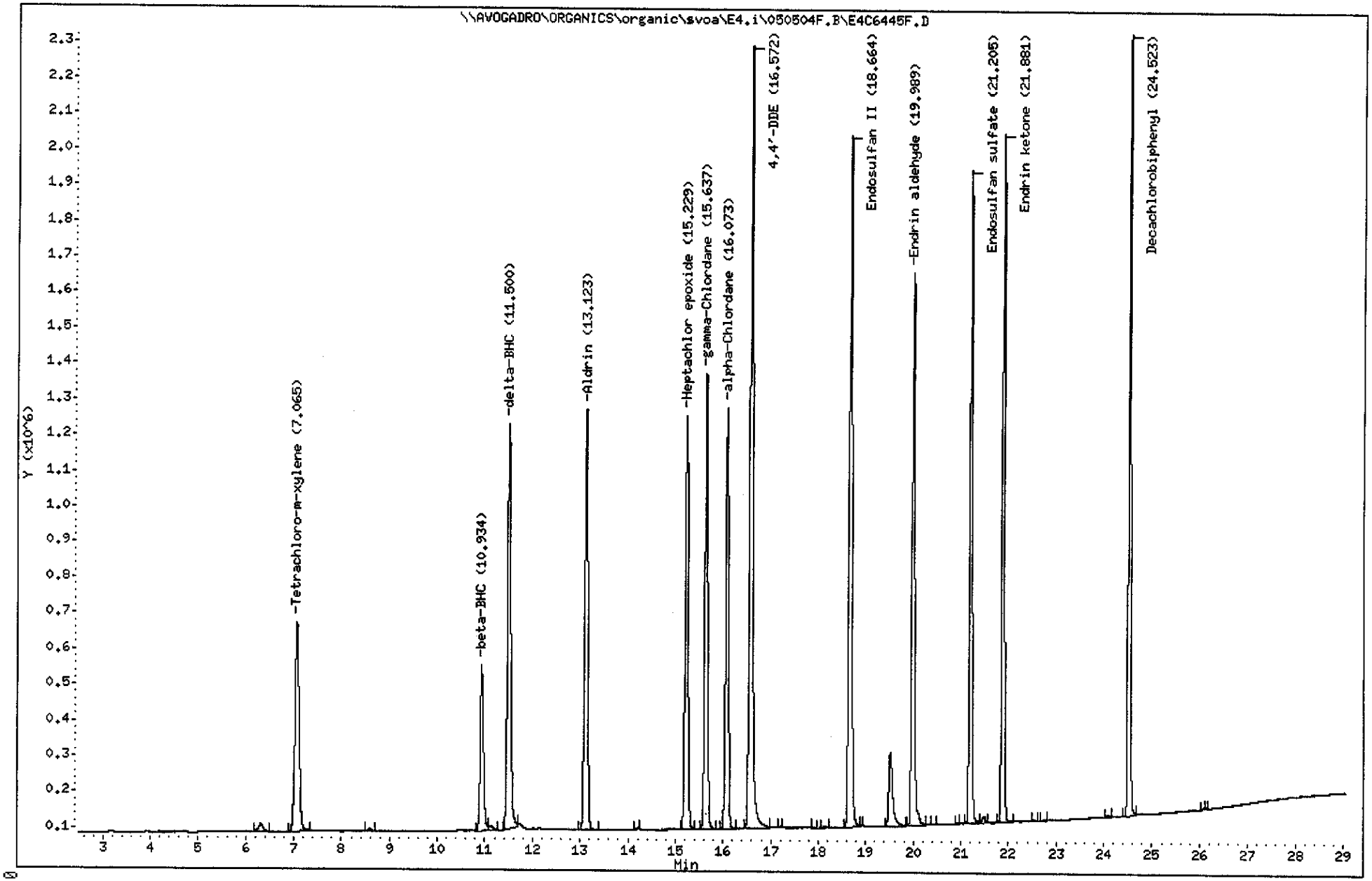
SZ05/05/06

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

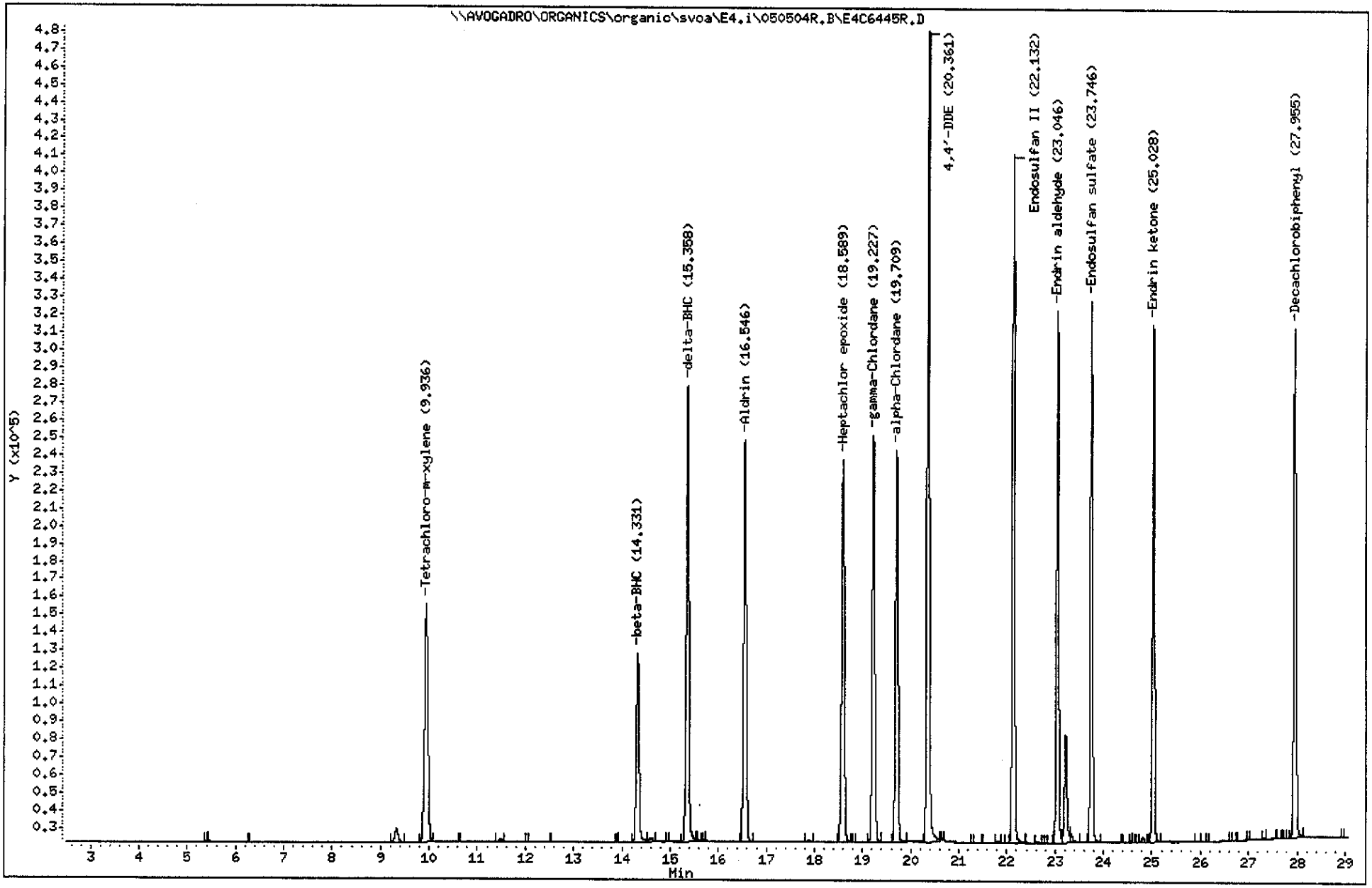
Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6445F.D
Date : 05-MAY-2005 00:50
Client ID: INDBHC1
Sample Info: INDBHC1,INDBHC1,,indb.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0314

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6445R.D
Date : 05-MAY-2005 00:50
Client ID: INDBHC1
Instrument: E4.i
Sample Info: INDBHC1,INDBHC1,,indb.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E4C6445F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6445F.D
Lab Smp Id: INDBHC1 Client Smp ID: INDBHC1
Inj Date : 05-MAY-2005 00:50
Operator : SRC: Inst ID: E4.i
Smp Info : INDBHC1,INDBHC1,,indb.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.07	-0.010	3524311	0.08000	0.076		
6 Aldrin					CAS #: 309-00-2		
13.1	13.1	0.000	5268753	0.08000	0.084		(A)
7 beta-BHC					CAS #: 319-85-7		
10.9	10.9	0.000	2181848	0.08000	0.084		(A)
8 delta-BHC					CAS #: 319-86-8		
11.5	11.5	0.000	5380158	0.08000	0.093		(A)

Data File: E4C6445F.D
Report Date: 05-May-2005 10:09

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
9 Heptachlor epoxide					CAS #: 1024-57-3		
15.2	15.2	0.000	4820173	0.08000	0.081		(A)
11 gamma-Chlordane					CAS #: 5103-74-2		
15.6	15.6	0.000	5235354	0.08000	0.084		(A)
12 alpha-Chlordane					CAS #: 5103-71-9		
16.1	16.1	0.000	4777239	0.08000	0.083		(A)
13 4,4'-DDE					CAS #: 72-55-9		
16.6	16.6	0.000	9644089	0.16000	0.16		(A)
17 Endosulfan II					CAS #: 33213-65-9		
18.7	18.7	0.000	8220887	0.16000	0.16		
19 Endrin aldehyde					CAS #: 7421-93-4		
20.0	20.0	0.000	6079391	0.16000	0.16		
20 Endosulfan sulfate					CAS #: 1031-07-8		
21.2	21.2	0.000	6442476	0.16000	0.18		(A)
22 Endrin ketone					CAS #: 53494-70-5		
21.9	21.9	0.000	6449784	0.16000	0.18		(A)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	6740464	0.16000	0.15		(A)

SZ 05/05/05

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: E4C6445R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6445R.D
Lab Smp Id: INDBHC1 Client Smp ID: INDBHC1
Inj Date : 05-MAY-2005 00:50
Operator : SRC: Inst ID: E4.i
Smp Info : INDBHC1,INDBHC1,,indb.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	653858	0.08000	0.073		
6 Aldrin					CAS #: 309-00-2		
16.5	16.5	0.000	878036	0.08000	0.089		(A)
7 beta-BHC					CAS #: 319-85-7		
14.3	14.3	0.000	419158	0.08000	0.079		
8 delta-BHC					CAS #: 319-86-8		
15.4	15.4	0.000	948611	0.08000	0.096		(A)

Data File: E4C6445R.D
Report Date: 05-May-2005 10:10

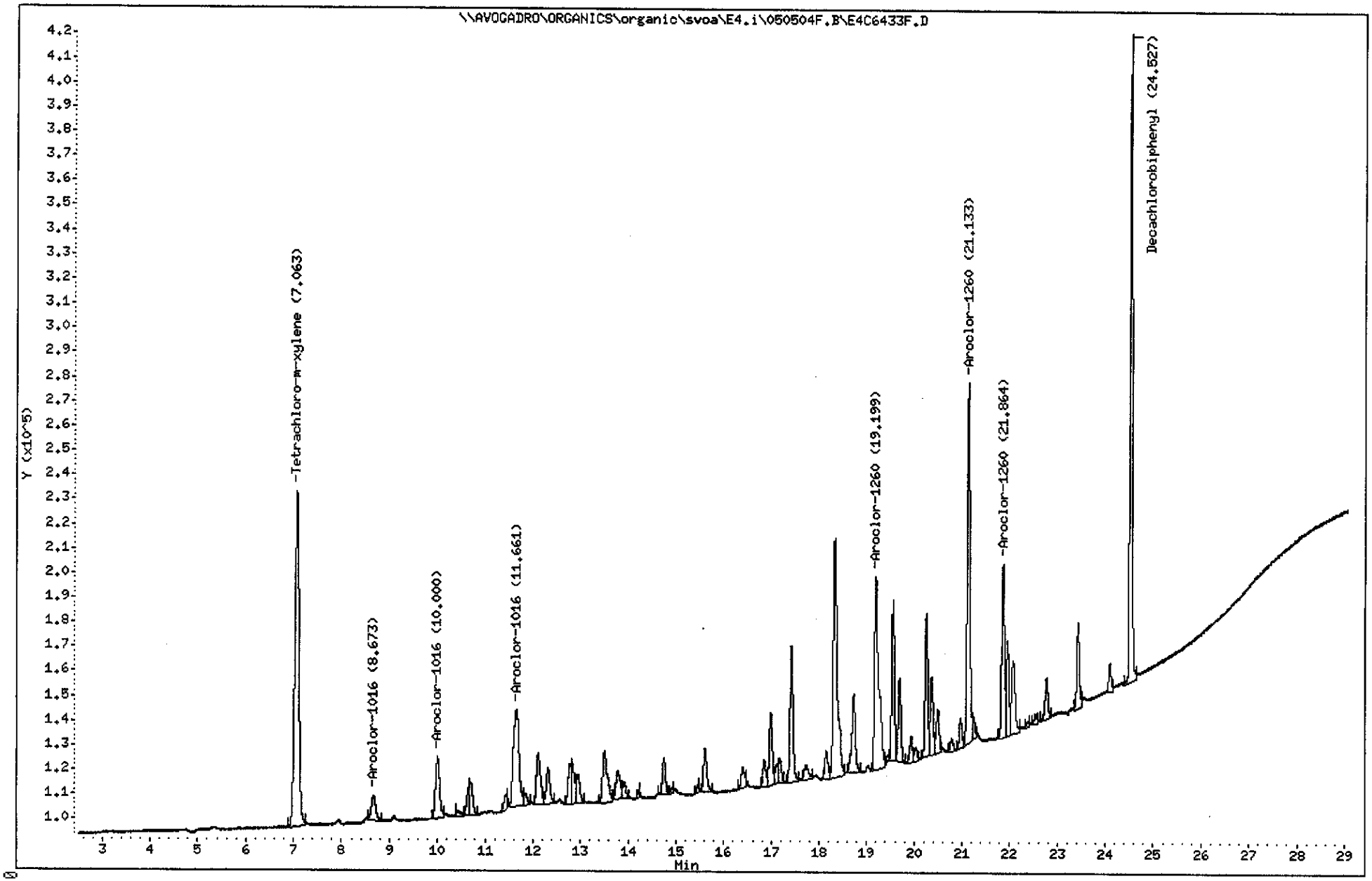
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
9 Heptachlor epoxide						CAS #: 1024-57-3		
18.6	18.6	0.000	831327	0.08000	0.085			(A)
11 gamma-Chlordane						CAS #: 5103-74-2		
19.2	19.2	0.000	847971	0.08000	0.085			(A)
12 alpha-Chlordane						CAS #: 5103-71-9		
19.7	19.7	0.000	804986	0.08000	0.084			(A)
13 4,4'-DDE						CAS #: 72-55-9		
20.4	20.4	0.000	1580565	0.16000	0.18			(A)
17 Endosulfan II						CAS #: 33213-65-9		
22.1	22.1	0.000	1263838	0.16000	0.17			(A)
19 Endrin aldehyde						CAS #: 7421-93-4		
23.0	23.0	0.000	918980	0.16000	0.17			(A)
20 Endosulfan sulfate						CAS #: 1031-07-8		
23.7	23.7	0.000	914349	0.16000	0.21			(A)
22 Endrin ketone						CAS #: 53494-70-5		
25.0	25.0	0.000	857564	0.16000	0.21			(A)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
28.0	28.0	0.000	949108	0.16000	0.14			(A)

SZ 05/06/05

QC Flag Legend

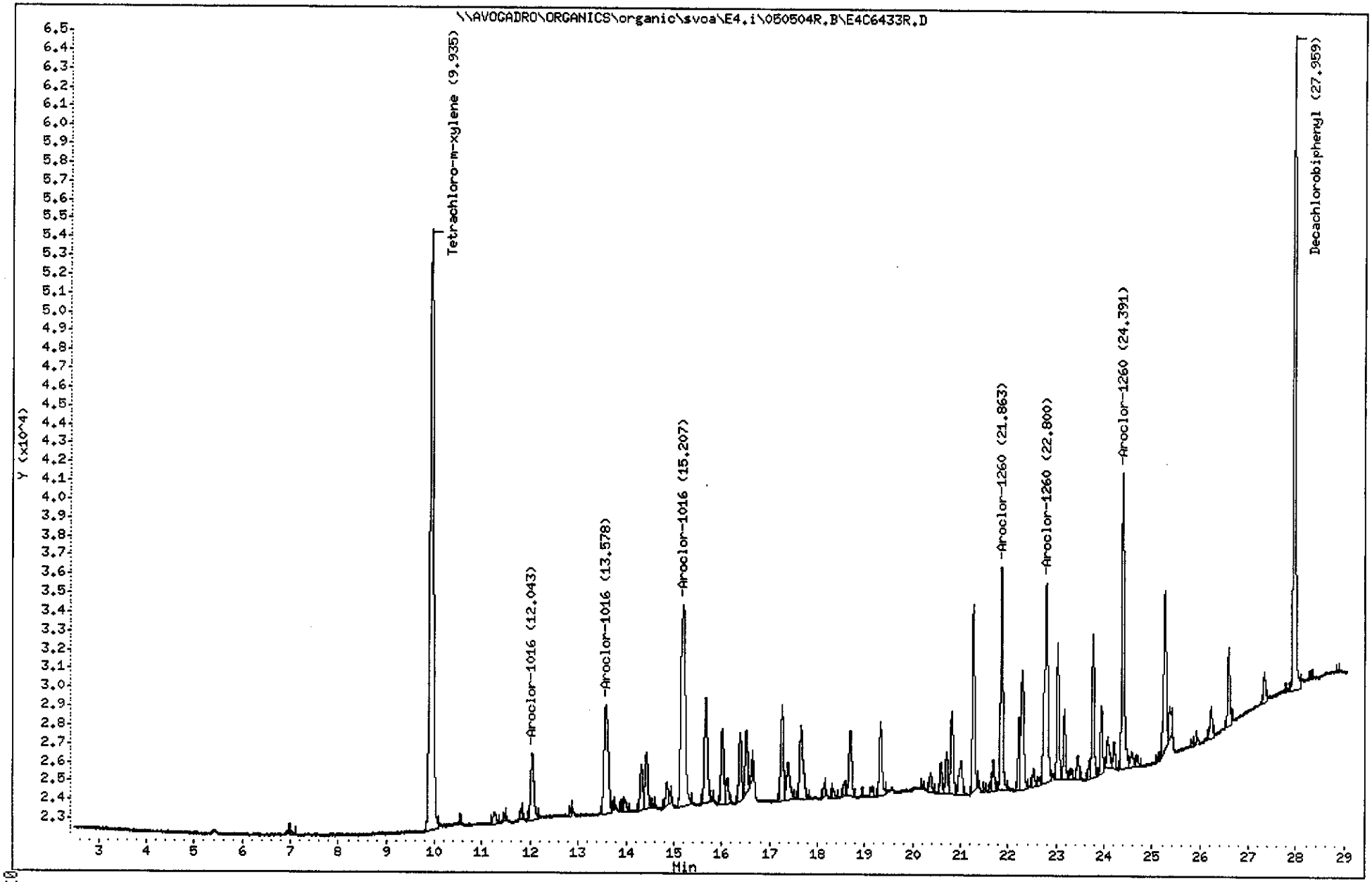
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6433F.D
Date : 04-MAY-2005 17:36
Client ID: AR1660C1
Instrument: E4.i
Sample Info: AR1660C1,AR1660C1,,ar1660.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0220

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6433R.D
Date : 04-MAY-2005 17:36
Client ID: AR1660C1
Instrument: E4.i
Sample Info: AR1660C1,AR1660C1,,ar1660.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0221

Data File: E4C6433F.D
Report Date: 05-May-2005 10:08

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6433F.D
Lab Smp Id: AR1660C1 Client Smp ID: AR1660C1
Inj Date : 04-MAY-2005 17:36
Operator : SRC: Inst ID: E4.i
Smp Info : AR1660C1,AR1660C1,,ar1660.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 04-MAY-2005 22:25 Cal File: E4C6441F.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1660.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.07	-0.010	829486	0.00500	0.018		(a)
23 Aroclor-1016					CAS #: 12674-11-2		
8.67	8.67	0.000	65750	0.10000	0.10	80.00- 120.00	100.00(a)
10.0	10.0	0.000	149165	0.10000	0.10	206.87- 246.87	226.87
11.7	11.7	0.000	309350	0.10000	0.10	450.49- 490.49	470.49
Average of Peak Amounts =					0.1		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	839395	0.01000	0.018		(a)

Data File: E4C6433F.D
Report Date: 05-May-2005 10:08

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
29 Aroclor-1260					CAS #: 11096-82-5		
19.2	19.2	0.000	486312	0.10000	0.10	80.00- 120.00	100.00(a)
21.1	21.1	0.000	575890	0.10000	0.10	98.42- 138.42	118.42
21.9	21.9	0.000	274290	0.10000	0.10	36.40- 76.40	56.40
Average of Peak Amounts =					0.1		

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SZ 05/05/05

Data File: E4C6433R.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6433R.D
Lab Smp Id: AR1660C1 Client Smp ID: AR1660C1
Inj Date : 04-MAY-2005 17:36
Operator : SRC: Inst ID: E4.i
Smp Info : AR1660C1,AR1660C1,,ar1660.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1660.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
9.94	9.94	0.000	161829	0.00500	0.018			(a)
23 Aroclor-1016					CAS #: 12674-11-2			
12.0	12.0	0.000	17141	0.10000	0.10	80.00- 120.00	100.00	(a)
13.6	13.6	0.000	33663	0.10000	0.10	176.39- 216.39	196.39	
15.2	15.2	0.000	69101	0.10000	0.10	383.13- 423.13	403.13	
Average of Peak Amounts =					0.1			
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
28.0	28.0	0.000	120493	0.01000	0.018			(a)

Data File: E4C6433R.D
Report Date: 05-May-2005 10:09

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
29 Aroclor-1260					CAS #: 11096-82-5		
21.9	21.9	0.000	40126	0.10000	0.10	80.00- 120.00	100.00(a)
22.8	22.8	0.000	52684	0.10000	0.10	111.30- 151.30	131.30
24.4	24.4	0.000	52881	0.10000	0.10	111.79- 151.79	131.79
		Average of Peak Amounts =			0.1		

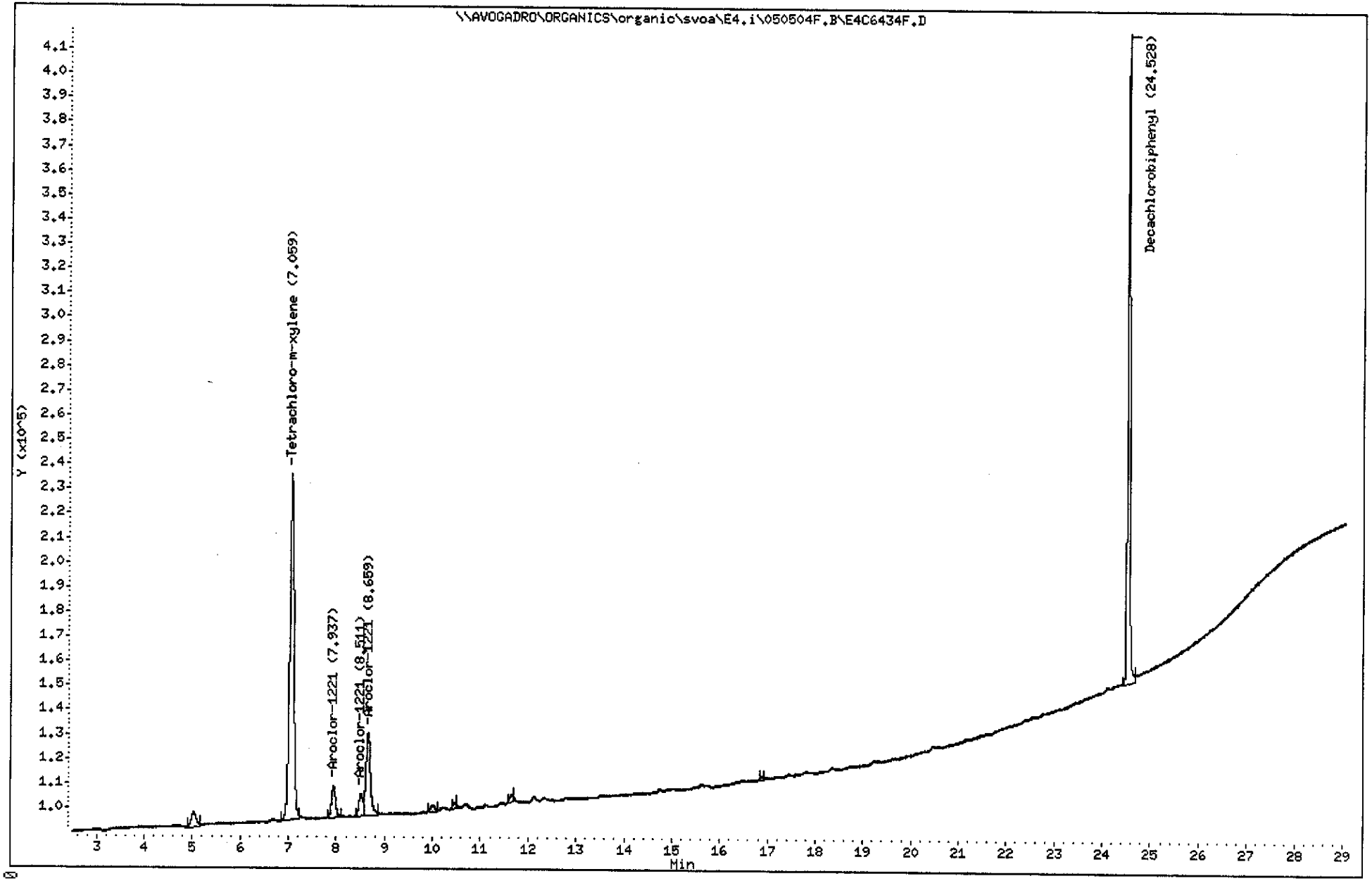
SZ 05/05/05

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6434F.D
Date : 04-MAY-2005 18:12
Client ID: AR1221C1
Sample Info: AR1221C1,AR1221C1,,ar1221.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

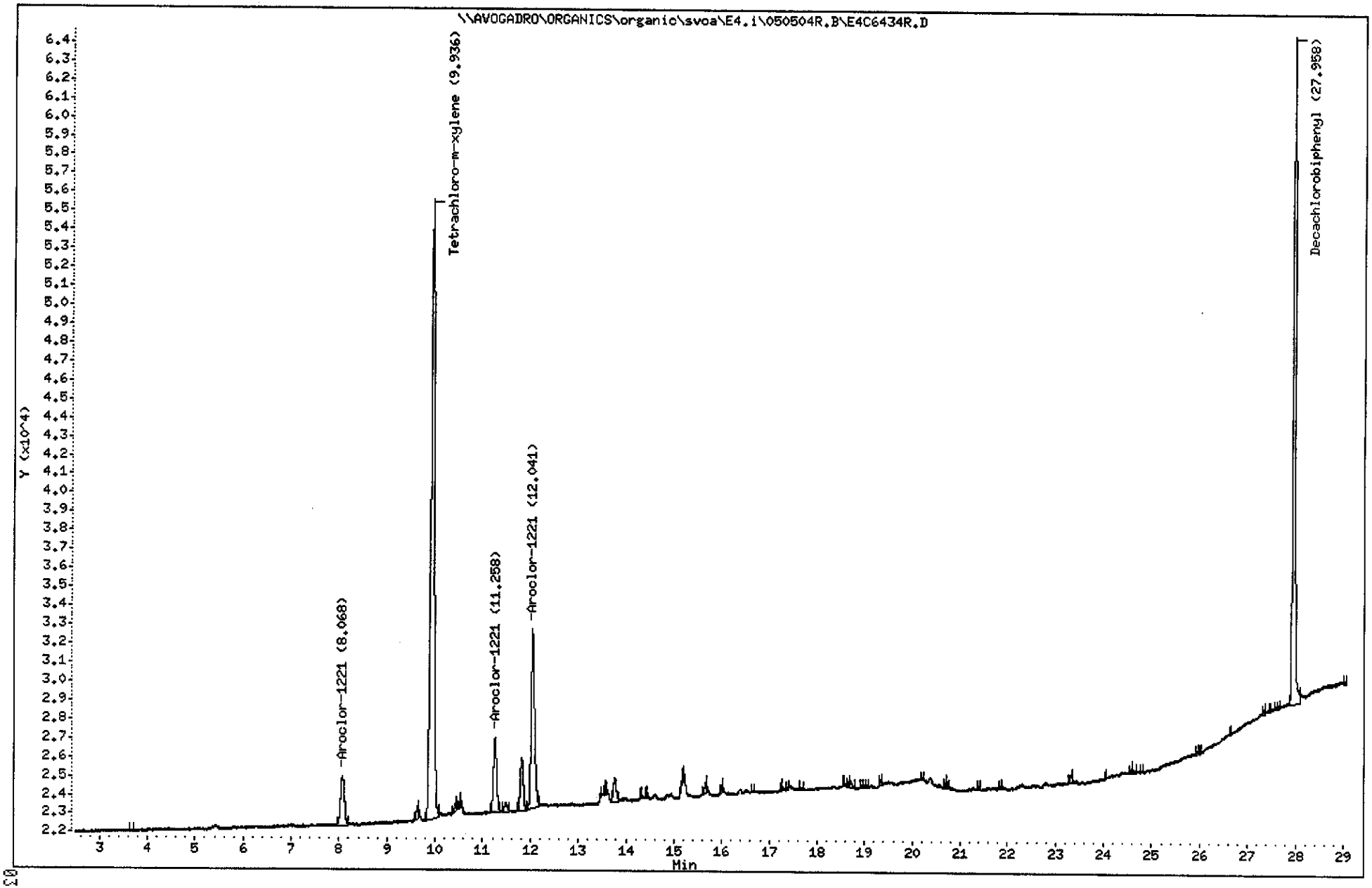
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0326

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6434R.D
Date : 04-MAY-2005 18:12
Client ID: AR1221C1
Sample Info: AR1221C1,AR1221C1,,ar1221.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0227

Data File: E4C6434F.D
Report Date: 05-May-2005 10:08

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6434F.D
Lab Smp Id: AR1221C1 Client Smp ID: AR1221C1
Inj Date : 04-MAY-2005 18:12
Operator : SRC: Inst ID: E4.i
Smp Info : AR1221C1,AR1221C1,,ar1221.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 04-MAY-2005 22:25 Cal File: E4C6441F.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1221.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.07	-0.010	862807	0.00500	0.019		(a)
24 Aroclor-1221					CAS #: 11104-28-2		
7.94	7.94	0.000	76301	0.20000	0.20	80.00- 120.00	100.00(a)
8.51	8.51	0.000	49934	0.20000	0.20	45.44- 85.44	65.44
8.66	8.66	0.000	222682	0.20000	0.20	271.85- 311.85	291.85
Average of Peak Amounts =					0.2		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	854092	0.01000	0.018		(a)

SZ 05/05/05

Data File: E4C6434F.D
Report Date: 05-May-2005 10:08

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6434R.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6434R.D
Lab Smp Id: AR1221C1 Client Smp ID: AR1221C1
Inj Date : 04-MAY-2005 18:12
Operator : SRC: Inst ID: E4.i
Smp Info : AR1221C1,AR1221C1,,ar1221.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1221.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	164163	0.00500	0.018		(a)
24 Aroclor-1221					CAS #: 11104-28-2		
8.07	8.07	0.000	14532	0.20000	0.20	80.00- 120.00	100.00(a)
11.3	11.3	0.000	18219	0.20000	0.20	105.37- 145.37	125.37
12.0	12.0	0.000	47319	0.20000	0.20	305.62- 345.62	325.62
Average of Peak Amounts =					0.2		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	122265	0.01000	0.018		(a)

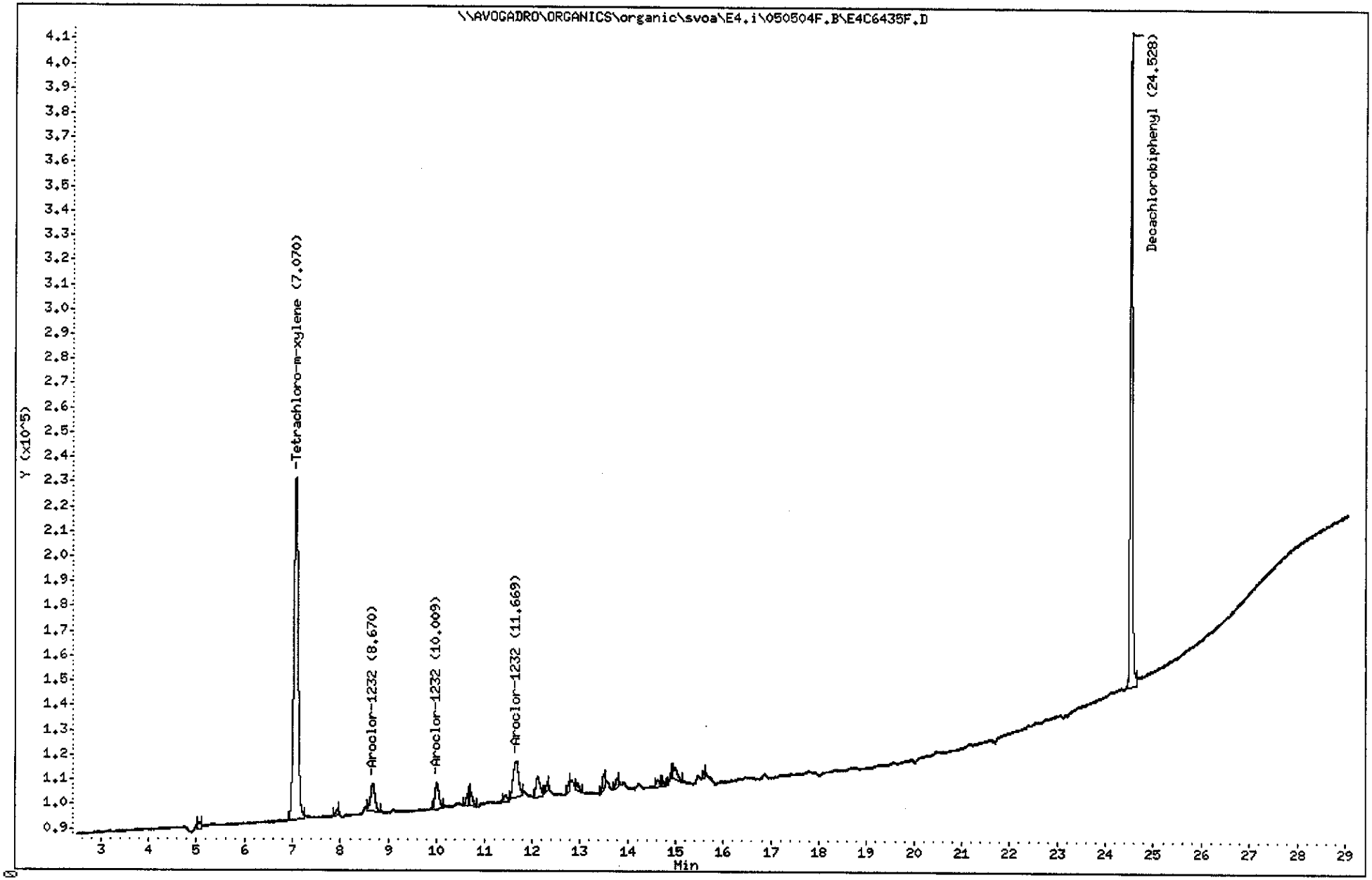
SZ 05/05/05

Data File: E4C6434R.D
Report Date: 05-May-2005 10:09

QC Flag Legend

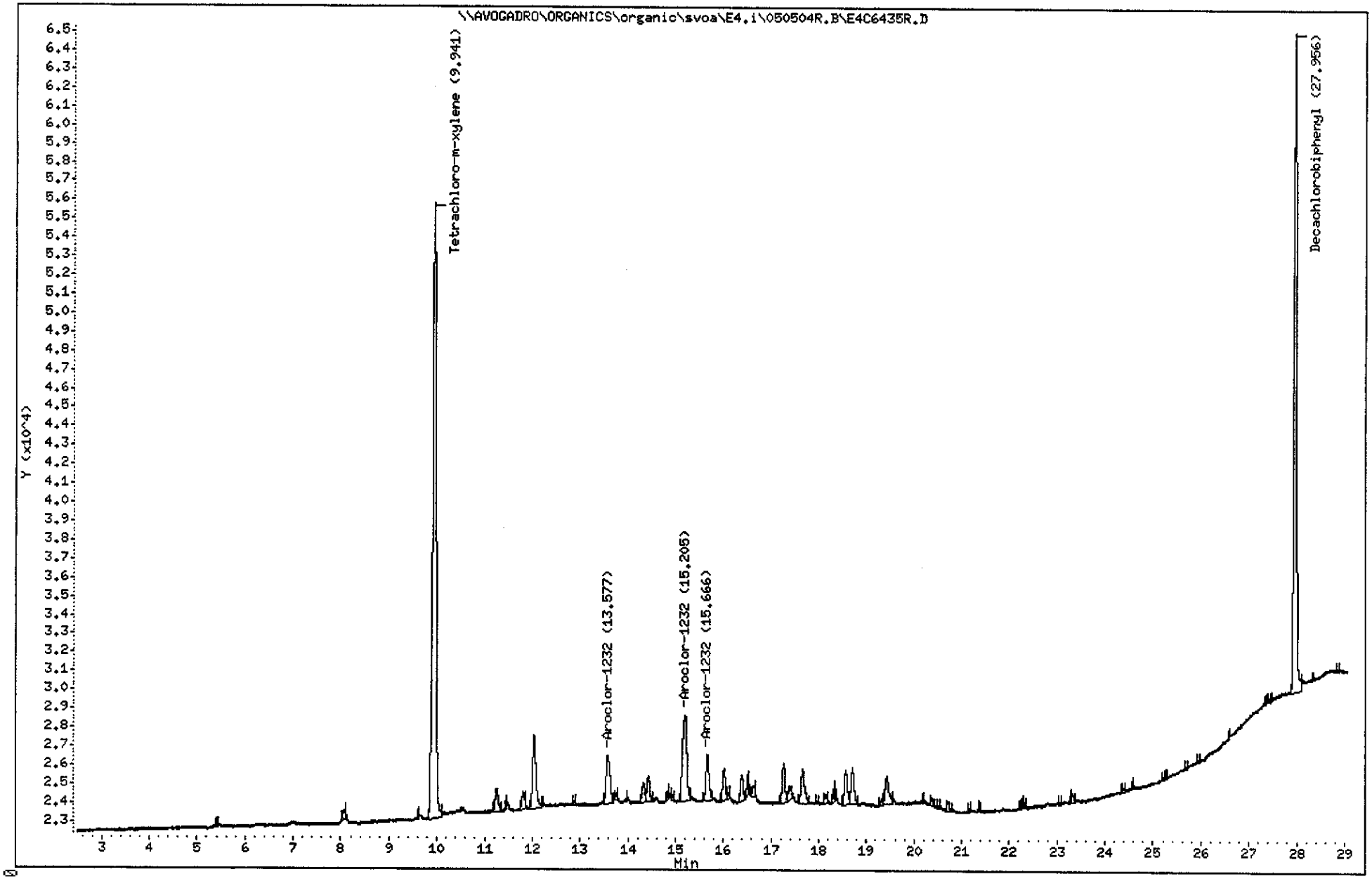
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6435F.D
Date : 04-MAY-2005 18:48
Client ID: AR1232C1
Instrument: E4.i
Sample Info: AR1232C1,AR1232C1,,ar1232.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0232

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6435R.D
Date : 04-MAY-2005 18:48
Client ID: AR1232C1
Instrument: E4.i
Sample Info: AR1232C1,AR1232C1,,ar1232,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0333

Data File: E4C6435F.D
Report Date: 05-May-2005 10:08

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6435F.D
Lab Smp Id: AR1232C1 Client Smp ID: AR1232C1
Inj Date : 04-MAY-2005 18:48
Operator : SRC: Inst ID: E4.i
Smp Info : AR1232C1,AR1232C1,,ar1232.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 04-MAY-2005 22:25 Cal File: E4C6441F.D
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1232.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
RT	EXP RT	DLT RT	RESPONSE					
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.07	7.07	0.000	848946	0.00500	0.018			(a)
25 Aroclor-1232					CAS #: 11141-16-5			
8.67	8.67	0.000	73257	0.10000	0.10	80.00- 120.00	100.00	(a)
10.0	10.0	0.000	66124	0.10000	0.10	70.26- 110.26	90.26	
11.7	11.7	0.000	118109	0.10000	0.10	141.23- 181.23	161.23	
Average of Peak Amounts =					0.1			
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
24.5	24.5	0.000	850467	0.01000	0.018			(a)

SZ 05/09/05

Data File: E4C6435F.D
Report Date: 05-May-2005 10:08

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6435R.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6435R.D
Lab Smp Id: AR1232C1 Client Smp ID: AR1232C1
Inj Date : 04-MAY-2005 18:48
Operator : SRC: Inst ID: E4.i
Smp Info : AR1232C1,AR1232C1,,ar1232.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1232.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	164902	0.00500	0.018		(a)
25 Aroclor-1232					CAS #: 11141-16-5		
13.6	13.6	0.000	14694	0.10000	0.10	80.00- 120.00	100.00(a)
15.2	15.2	0.000	28811	0.10000	0.10	176.07- 216.07	196.07
15.7	15.7	0.000	11297	0.10000	0.10	56.88- 96.88	76.88
Average of Peak Amounts =					0.1		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	121384	0.01000	0.018		(a)

SZ 05/06/05

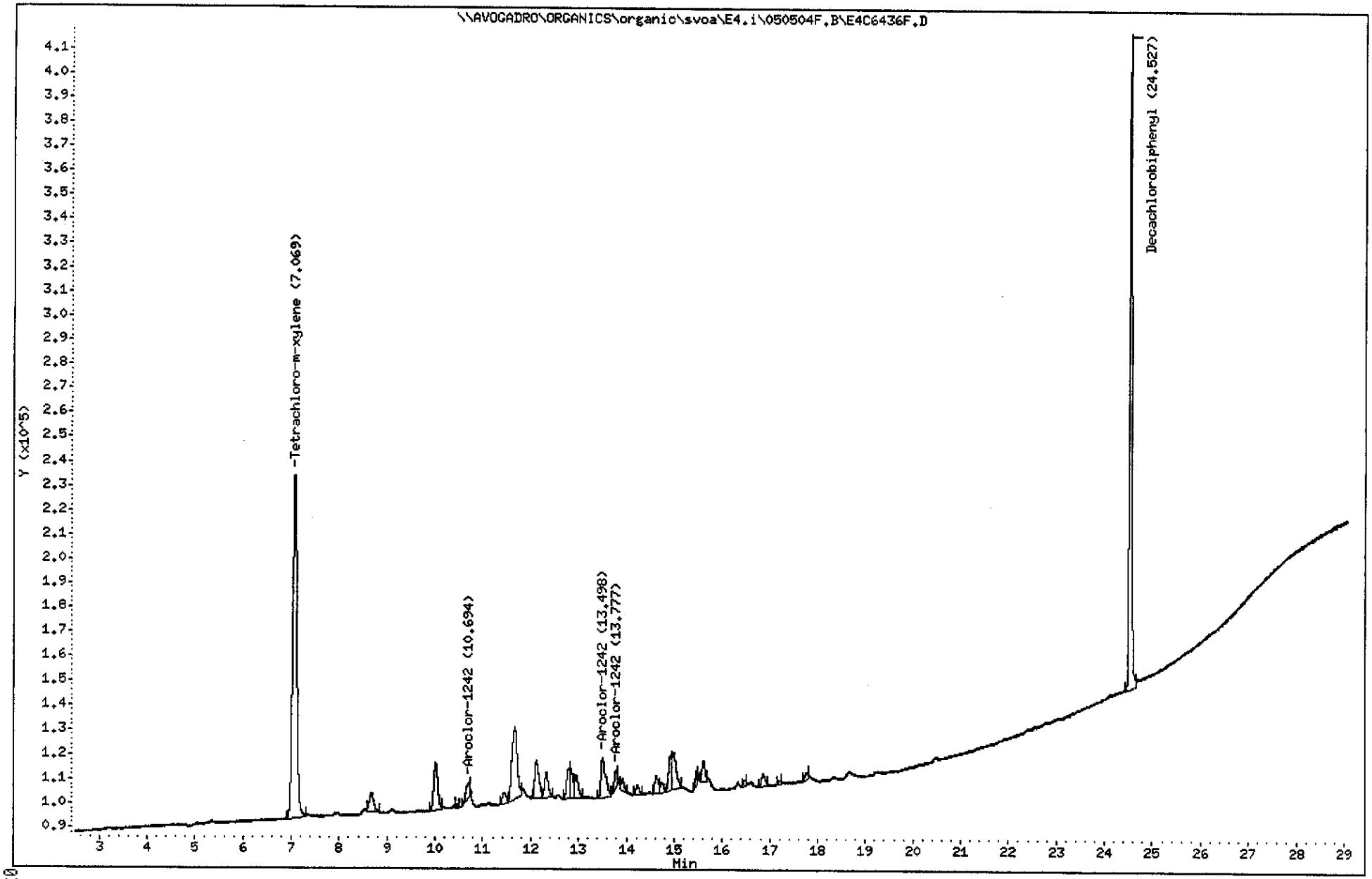
Data File: E4C6435R.D
Report Date: 05-May-2005 10:09

QC Flag Legend

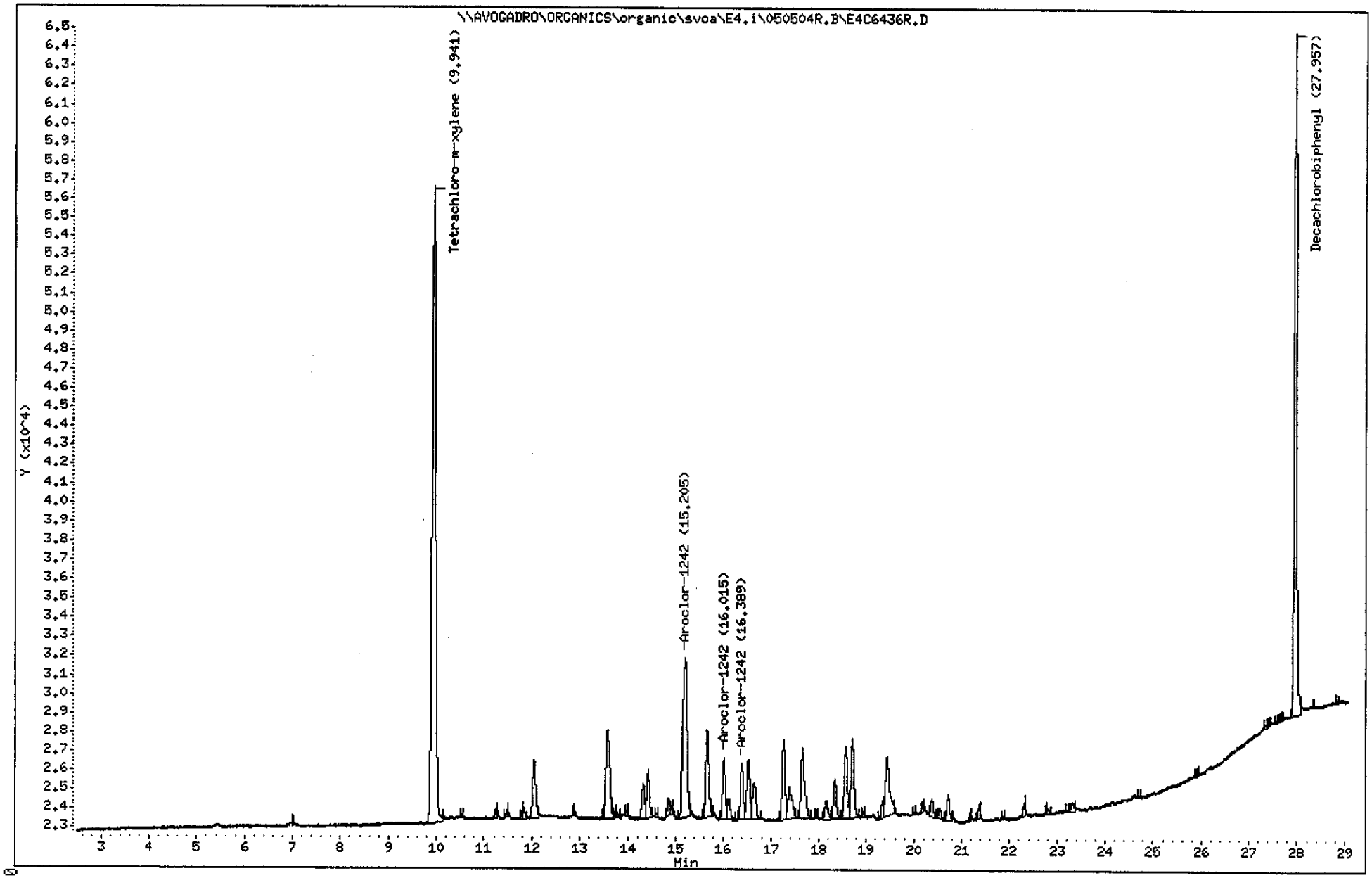
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6436F.D
Date : 04-MAY-2005 19:24
Client ID: AR1242C1
Sample Info: AR1242C1,AR1242C1,,ar1242.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6436R.D
Date : 04-MAY-2005 19:24
Client ID: AR1242C1
Instrument: E4.i
Sample Info: AR1242C1,AR1242C1,,ar1242.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0339

Data File: E4C6436F.D
Report Date: 05-May-2005 10:08

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6436F.D
Lab Smp Id: AR1242C1 Client Smp ID: AR1242C1
Inj Date : 04-MAY-2005 19:24
Operator : SRC: Inst ID: E4.i
Smp Info : AR1242C1,AR1242C1,,ar1242.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 04-MAY-2005 22:25 Cal File: E4C6441F.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1242.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.07	7.07	0.000	868461	0.00500	0.019			(a)
26 Aroclor-1242					CAS #: 53469-21-9			
10.7	10.7	0.000	38708	0.10000	0.10	80.00- 120.00	100.00	(a)
13.5	13.5	0.000	116760	0.10000	0.10	281.64- 321.64	301.64	
13.8	13.8	0.000	28127	0.10000	0.10	52.66- 92.66	72.66	
Average of Peak Amounts =					0.1			
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
24.5	24.5	0.000	868290	0.01000	0.019			(a)

SZ 05/05/05

Data File: E4C6436F.D
Report Date: 05-May-2005 10:08

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6436R.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6436R.D
Lab Smp Id: AR1242C1 Client Smp ID: AR1242C1
Inj Date : 04-MAY-2005 19:24
Operator : SRC: Inst ID: E4.i
Smp Info : AR1242C1,AR1242C1,,ar1242.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1242.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	169201	0.00500	0.019		(a)
26 Aroclor-1242					CAS #: 53469-21-9		
15.2	15.2	0.000	53401	0.10000	0.10	80.00- 120.00	100.00(a)
16.0	16.0	0.000	13004	0.10000	0.10	4.35- 44.35	24.35
16.4	16.4	0.000	11524	0.10000	0.10	1.58- 41.58	21.58
Average of Peak Amounts =					0.1		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	123355	0.01000	0.018		(a)

SZ 05/09/05

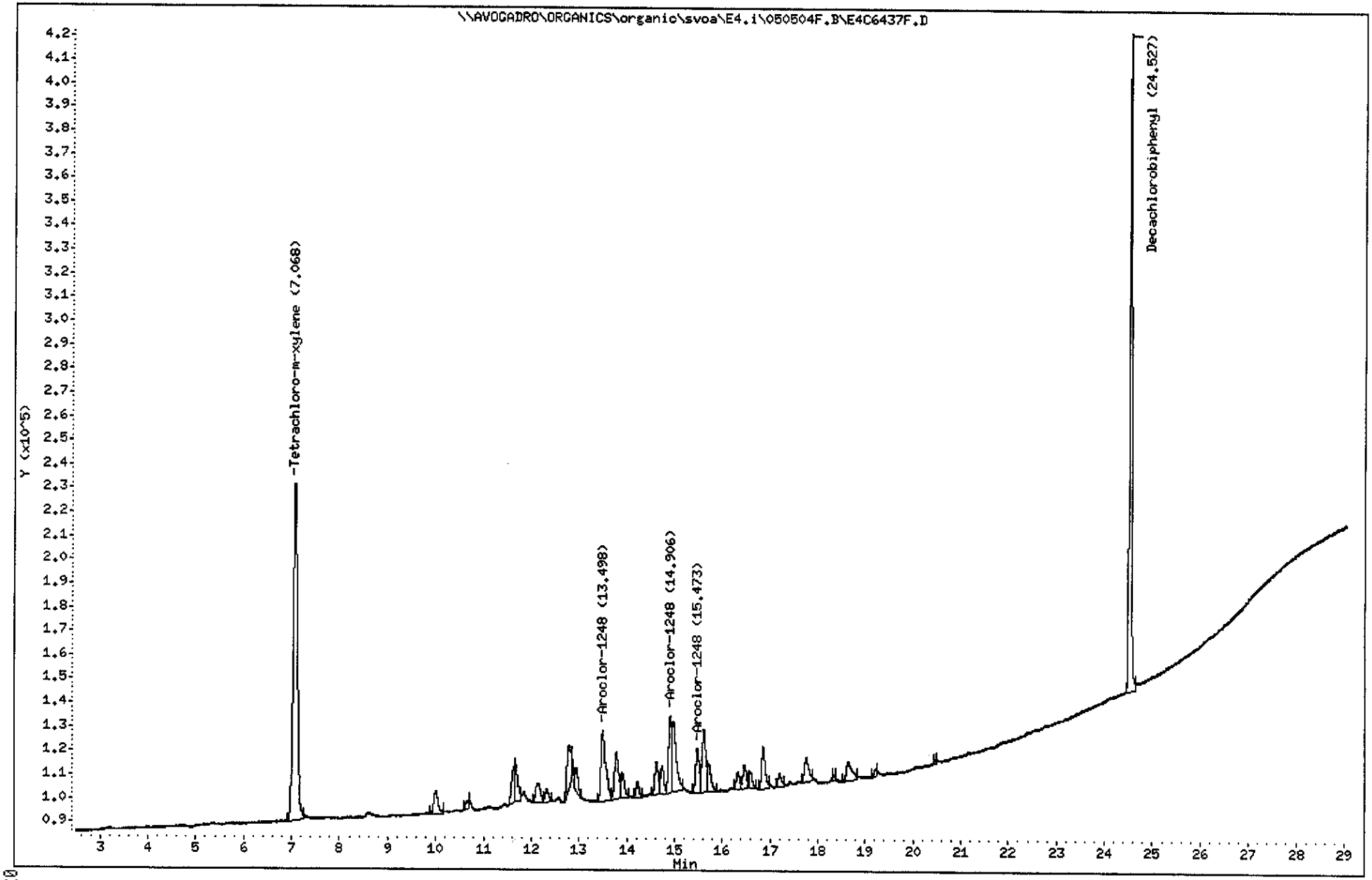
Data File: E4C6436R.D
Report Date: 05-May-2005 10:09

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6437F.D
Date : 04-MAY-2005 20:01
Client ID: AR1248C1
Sample Info: AR1248C1,AR1248C1,,ar1248.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

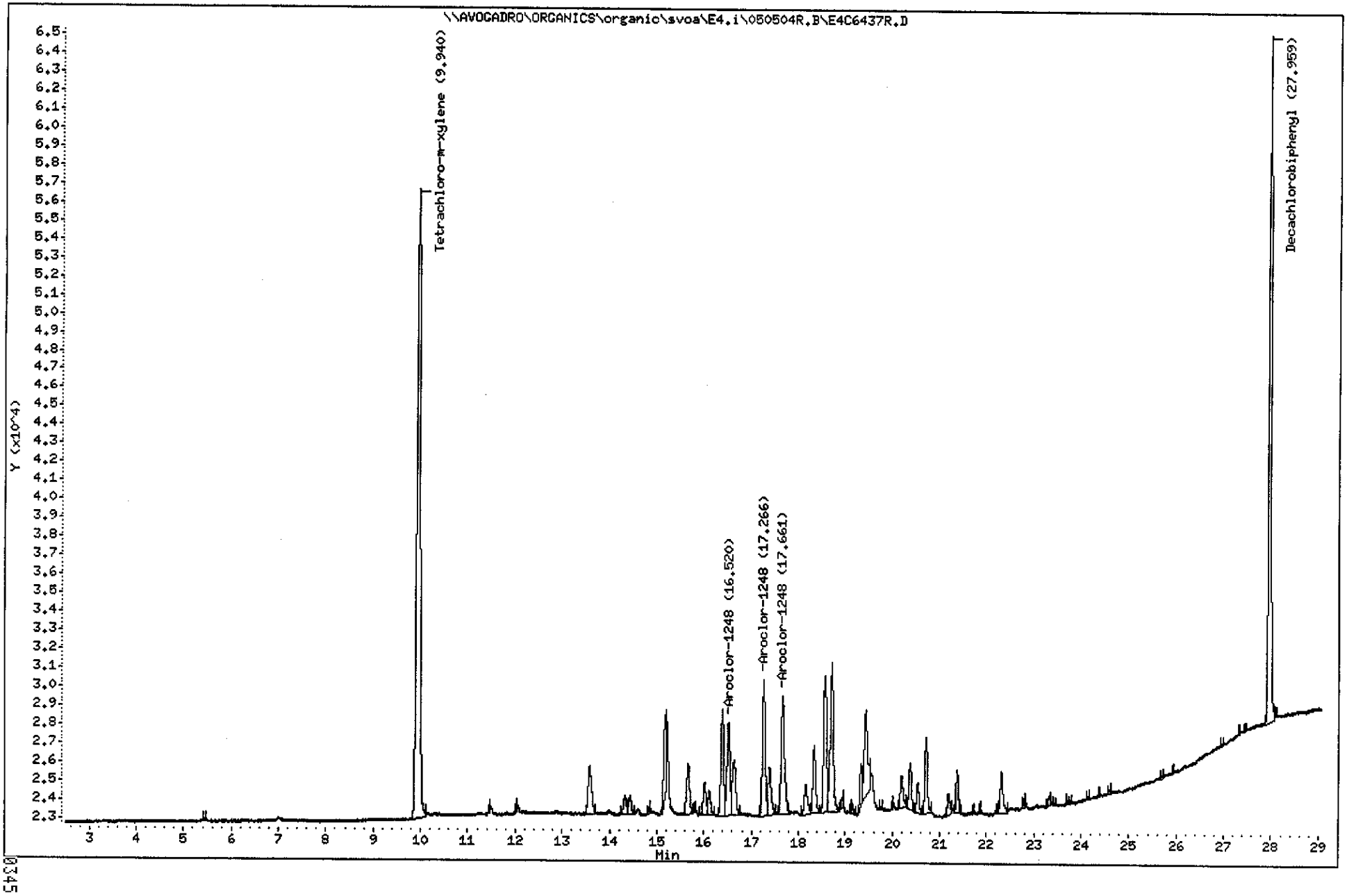
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0344

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6437R.D
Date : 04-MAY-2005 20:01
Client ID: AR1248C1
Sample Info: AR1248C1,AR1248C1,,ar1248.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0345

Data File: E4C6437F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6437F.D
Lab Smp Id: AR1248C1 Client Smp ID: AR1248C1
Inj Date : 04-MAY-2005 20:01
Operator : SRC: Inst ID: E4.i
Smp Info : AR1248C1,AR1248C1,,ar1248.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 04-MAY-2005 22:25 Cal File: E4C6441F.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1248.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.07	7.07	0.000	866970	0.00500	0.019		(a)
27 Aroclor-1248					CAS #: 12672-29-6		
13.5	13.5	0.000	199531	0.10000	0.10	80.00- 120.00	100.00(a)
14.9	14.9	0.000	142392	0.10000	0.10	51.36- 91.36	71.36
15.5	15.5	0.000	93646	0.10000	0.10	26.93- 66.93	46.93
Average of Peak Amounts =					0.1		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	879452	0.01000	0.019		(a)

SZ 05/05/05

Data File: E4C6437F.D
Report Date: 05-May-2005 10:09

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6437R.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6437R.D
Lab Smp Id: AR1248C1 Client Smp ID: AR1248C1
Inj Date : 04-MAY-2005 20:01
Operator : SRC: Inst ID: E4.i
Smp Info : AR1248C1,AR1248C1,,ar1248.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1248.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
9.94	9.94	0.000	169482	0.00500	0.019			(a)
27 Aroclor-1248					CAS #: 12672-29-6			
16.5	16.5	0.000	21178	0.10000	0.10	80.00- 120.00	100.00	(a)
17.3	17.3	0.000	29366	0.10000	0.10	118.66- 158.66	138.66	
17.7	17.7	0.000	30971	0.10000	0.10	126.24- 166.24	146.24	
Average of Peak Amounts =					0.1			
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
28.0	28.0	0.000	125532	0.01000	0.019			(a)

SZ 05/06/05

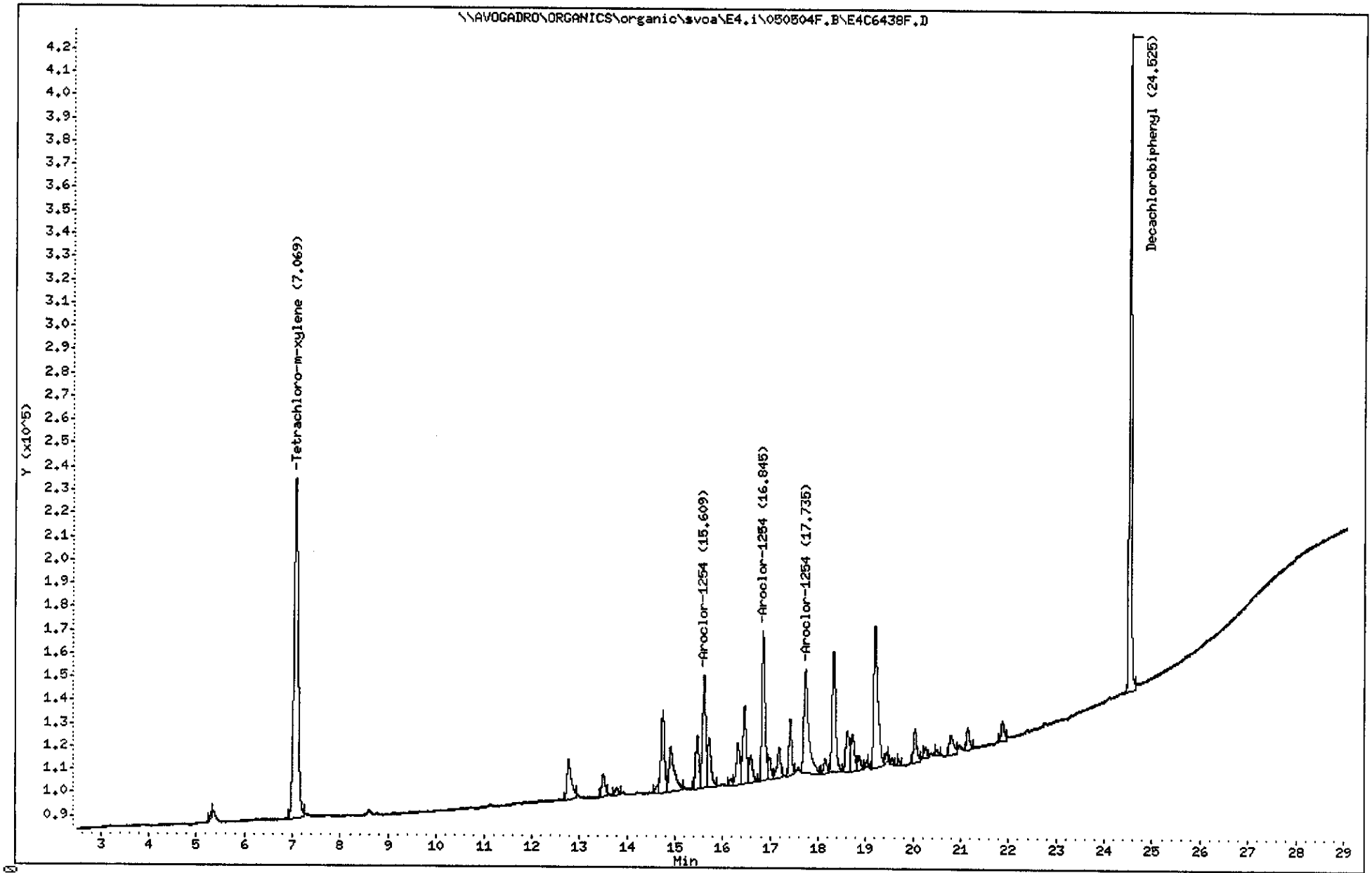
Data File: E4C6437R.D
Report Date: 05-May-2005 10:09

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

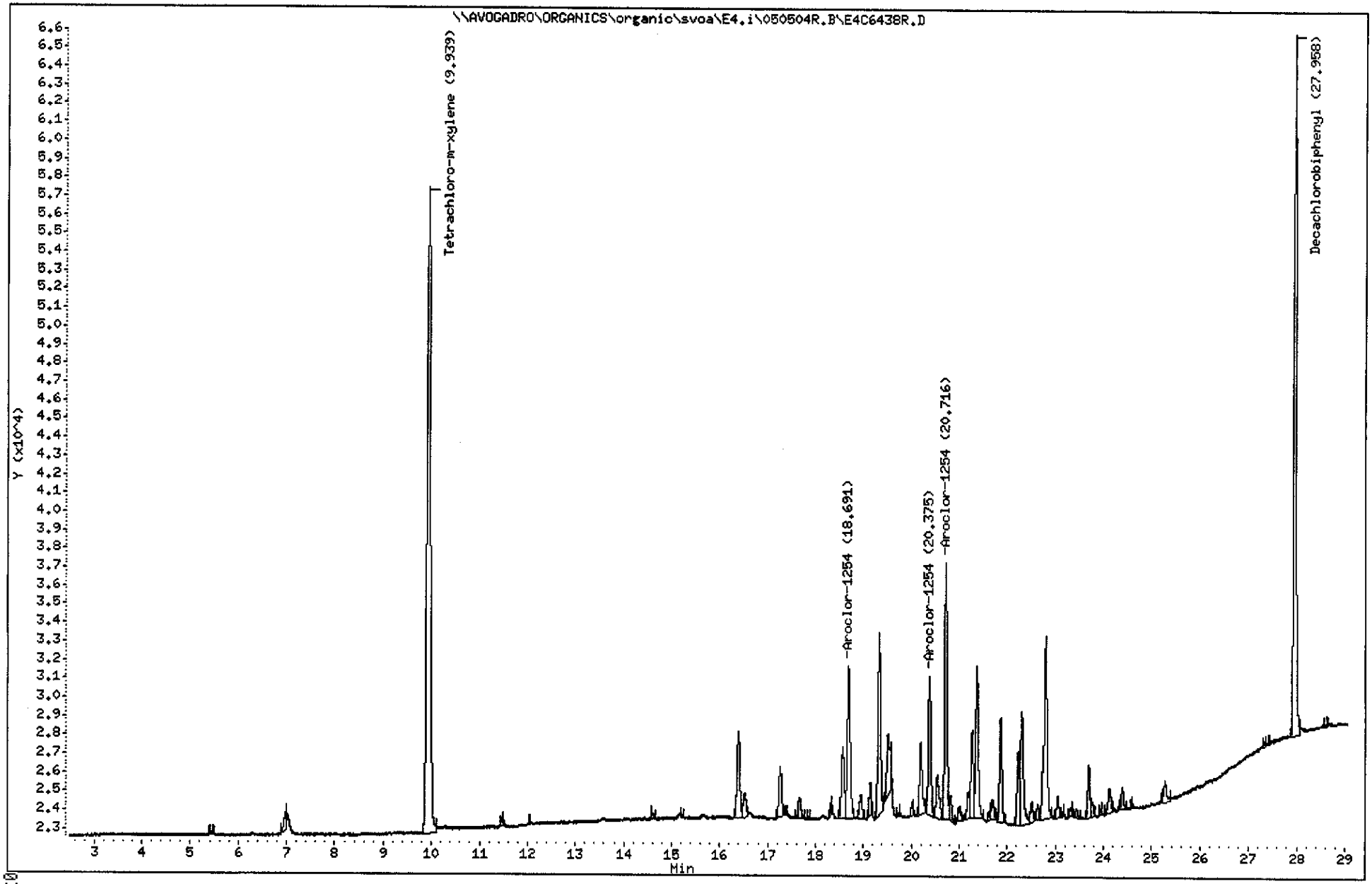
Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6438F.D
Date : 04-MAY-2005 20:37
Client ID: AR1254C1
Sample Info: AR1254C1,AR1254C1,,ar1254.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0550

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6438R.D
Date : 04-MAY-2005 20:37
Client ID: AR1254C1
Instrument: E4.i
Sample Info: AR1254C1,AR1254C1,,ar1254.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0351

Data File: E4C6438F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6438F.D
Lab Smp Id: AR1254C1 Client Smp ID: AR1254C1
Inj Date : 04-MAY-2005 20:37
Operator : SRC: Inst ID: E4.i
Smp Info : AR1254C1,AR1254C1,,ar1254.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 04-MAY-2005 22:25 Cal File: E4C6441F.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1254.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.07	7.07	0.000	892770	0.00500	0.019			(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
24.5	24.5	0.000	900066	0.01000	0.019			(a)
28 Aroclor-1254					CAS #: 11097-69-1			
15.6	15.6	0.000	233815	0.10000	0.10	80.00- 120.00	100.00	(a)
16.8	16.8	0.000	312104	0.10000	0.10	113.48- 153.48	133.48	
17.7	17.7	0.000	296778	0.10000	0.10	106.93- 146.93	126.93	
Average of Peak Amounts =					0.1			

SZ 05/06/05

Data File: E4C6438F.D
Report Date: 05-May-2005 10:09

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6438R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6438R.D
Lab Smp Id: AR1254C1 Client Smp ID: AR1254C1
Inj Date : 04-MAY-2005 20:37
Operator : SRC: Inst ID: E4.i
Smp Info : AR1254C1,AR1254C1,,ar1254.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1254.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
9.94	9.94	0.000	175580	0.00500	0.020			(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
28.0	28.0	0.000	129039	0.01000	0.019			(a)
28 Aroclor-1254					CAS #: 11097-69-1			
18.7	18.7	0.000	34057	0.10000	0.10	80.00- 120.00	100.00	(a)
20.4	20.4	0.000	26261	0.10000	0.10	57.11- 97.11	77.11	
20.7	20.7	0.000	47798	0.10000	0.10	120.35- 160.35	140.35	
Average of Peak Amounts =					0.1			

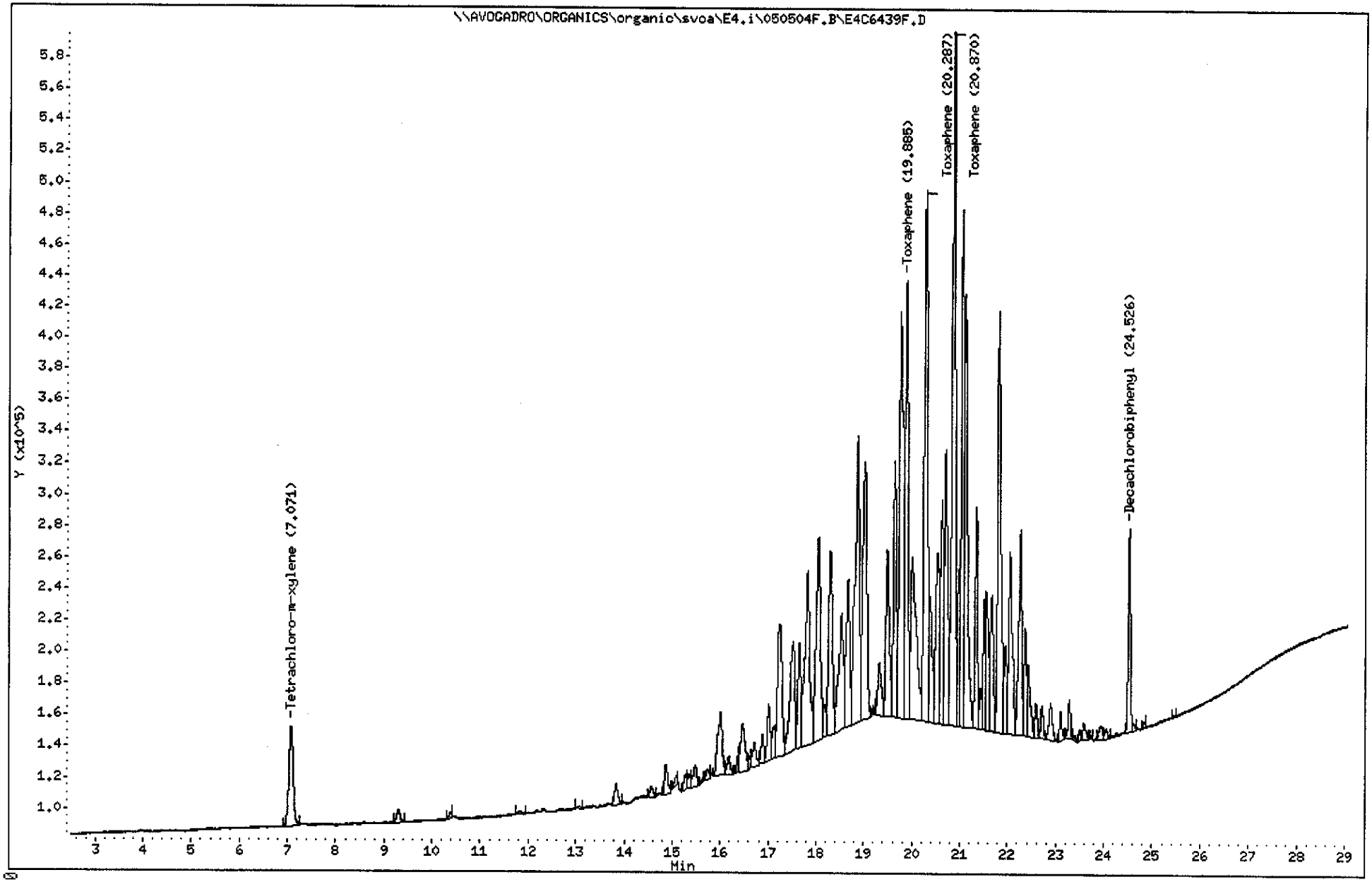
Data File: E4C6438R.D
Report Date: 05-May-2005 10:10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6439F.D
Date : 04-MAY-2005 21:13
Client ID: TOXAPHC1
Sample Info: TOXAPHC1,TOXAPHC1,,toxaph.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

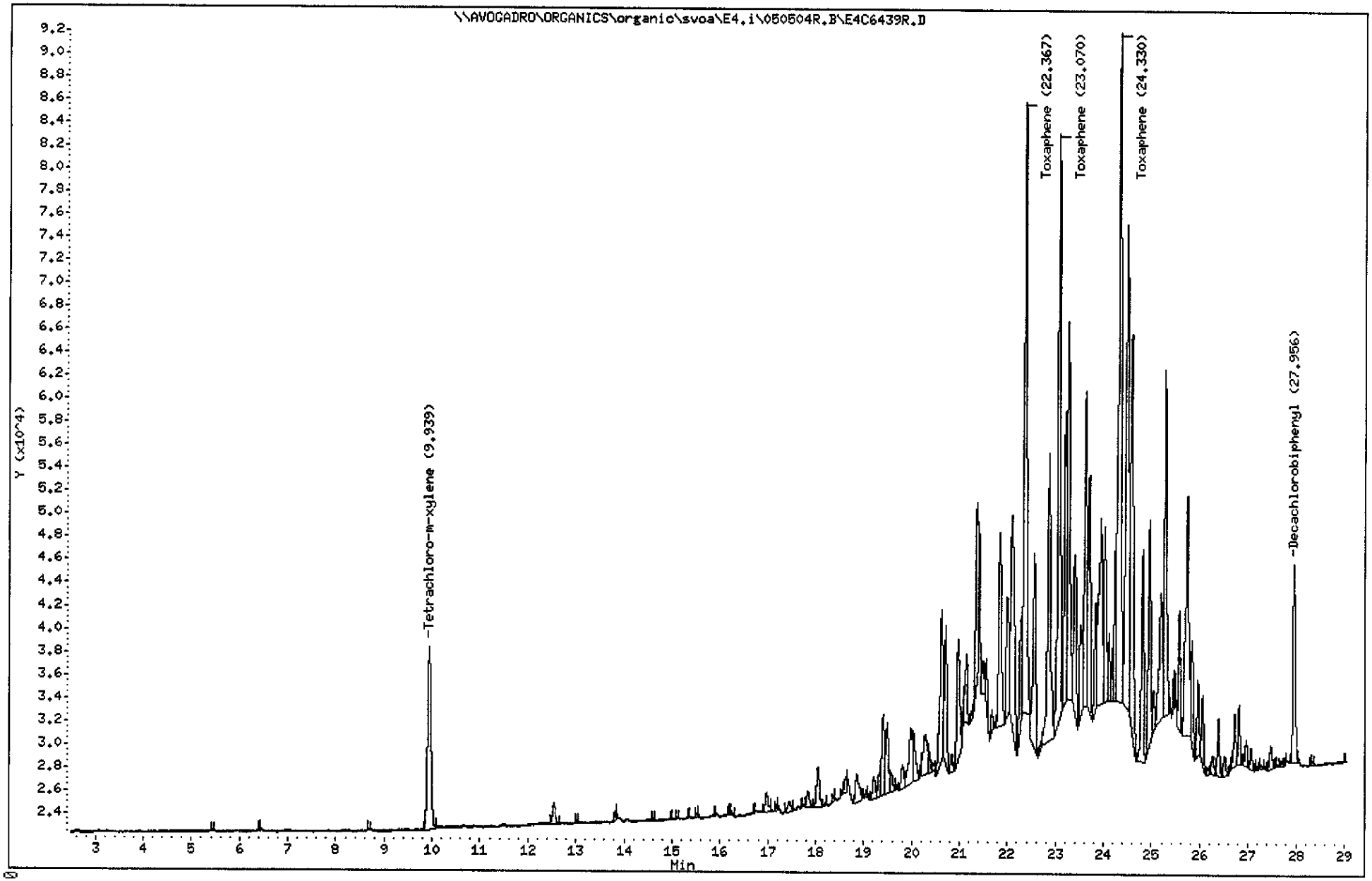
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0356

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6439R.D
Date : 04-MAY-2005 21:13
Client ID: TOXAPHC1
Sample Info: TOXAPHC1,TOXAPHC1,,toxaph.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



08357

Data File: E4C6439F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6439F.D
Lab Smp Id: TOXAPHC1 Client Smp ID: TOXAPHC1
Inj Date : 04-MAY-2005 21:13
Operator : SRC: Inst ID: E4.i
Smp Info : TOXAPHC1,TOXAPHC1,,toxaph.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 04-MAY-2005 22:25 Cal File: E4C6441F.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxaph.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.07	7.07	0.000	399762	0.00500	0.0086		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	419703	0.01000	0.0091		(a)
30 Toxaphene					CAS #: 8001-35-2		
19.9	19.9	0.000	1194761	0.50000	0.50	80.00- 120.00	100.00(a)
20.3	20.3	0.000	1609027	0.50000	0.50	114.67- 154.67	134.67
20.9	20.9	0.000	1965670	0.50000	0.50	144.52- 184.52	164.52
		Average of Peak Amounts =			0.5		

SZ 05/06/05

Data File: E4C6439F.D
Report Date: 05-May-2005 10:09

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6439R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6439R.D
Lab Smp Id: TOXAPHC1 Client Smp ID: TOXAPHC1
Inj Date : 04-MAY-2005 21:13
Operator : SRC: Inst ID: E4.i
Smp Info : TOXAPHC1,TOXAPHC1,,toxaph.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxaph.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	80326	0.00500	0.0089		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	57688	0.01000	0.0086		(a)
30 Toxaphene					CAS #: 8001-35-2		
22.4	22.4	0.000	208215	0.50000	0.50	80.00- 120.00	100.00(a)
23.1	23.1	0.000	181224	0.50000	0.50	67.04- 107.04	87.04
24.3	24.3	0.000	242505	0.50000	0.50	96.47- 136.47	116.47
Average of Peak Amounts =					0.5		

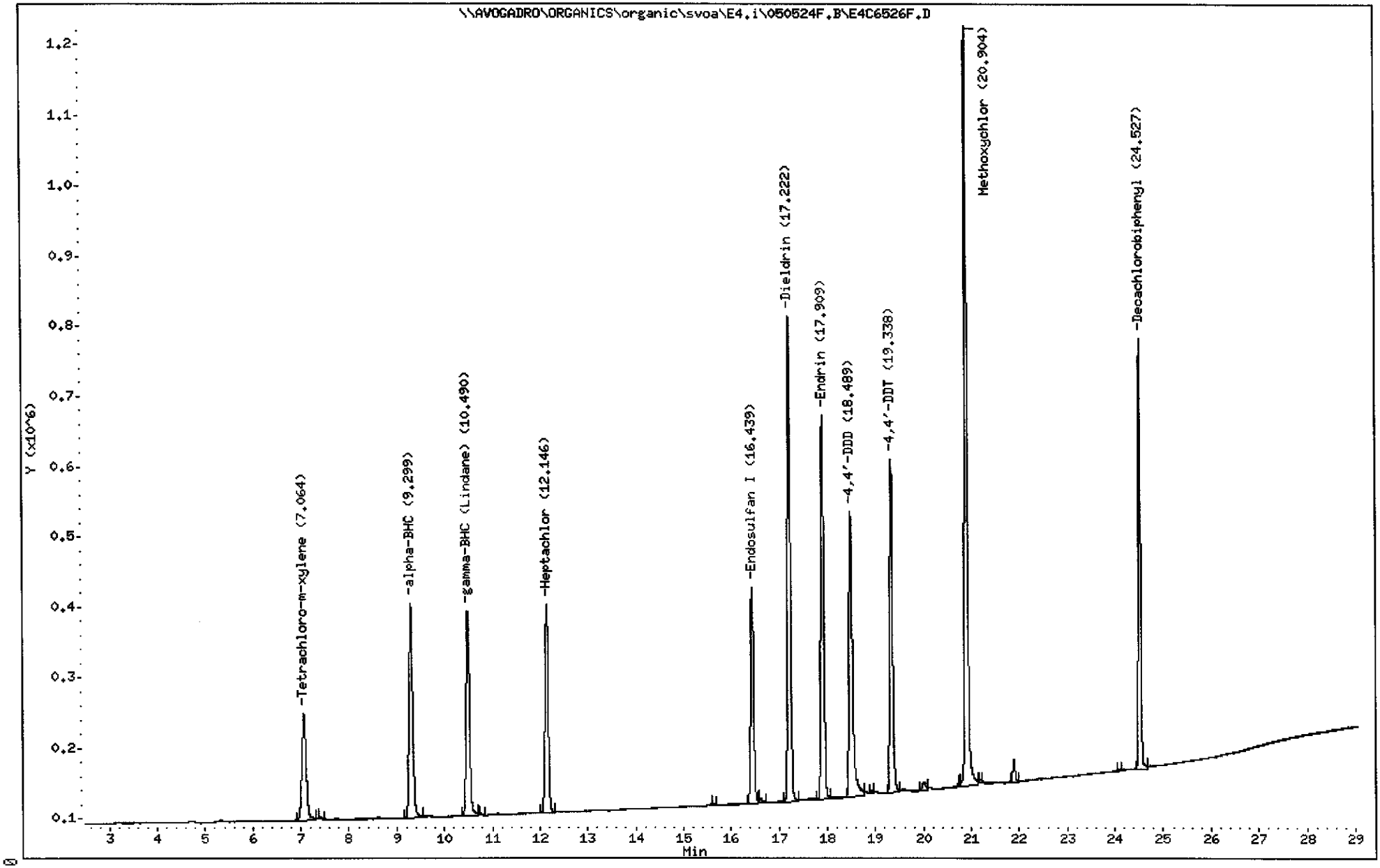
SZ 05/05/05

Data File: E4C6439R.D
Report Date: 05-May-2005 10:10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6526F.D
Date : 26-MAY-2005 11:52
Client ID: INDAMCH
Instrument: E4.i
Sample Info: INDAMCH,INDAMCH,,inda.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0262

Data File: E4C6526R.D
Report Date: 27-May-2005 14:22

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6526R.D
Lab Smp Id: INDAMCH Client Smp ID: INDAMCH
Inj Date : 26-MAY-2005 11:52
Operator : SRC: Inst ID: E4.i
Smp Info : INDAMCH,INDAMCH,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	183374	0.02000	0.020		(a)
3 alpha-BHC					CAS #: 319-84-6		
12.5	12.5	0.000	258740	0.02000	0.021		(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
13.9	13.9	0.000	236001	0.02000	0.020		(a)
5 Heptachlor					CAS #: 76-44-8		
15.5	15.5	0.000	256654	0.02000	0.020		(a)

5/27/05

Data File: E4C6526R.D
Report Date: 27-May-2005 14:22

				AMOUNTS			
				CAL-AMT	ON-COL		
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
	==	======	========	========	=======	=======	==========	=====
	10 Endosulfan I					CAS #: 959-98-8		
	19.8	19.8	0.000	219402	0.02000	0.022		(a)
	14 Dieldrin					CAS #: 60-57-1		
	20.7	20.7	0.000	455991	0.04000	0.044		(a)
	15 Endrin					CAS #: 72-20-8		
	21.5	21.5	0.000	337054	0.04000	0.043		(a)
	16 4,4'-DDD					CAS #: 72-54-8		
	22.0	22.0	0.000	273293	0.04000	0.043		(a)
	18 4,4'-DDT					CAS #: 50-29-3		
	22.8	22.8	0.000	294270	0.04000	0.042		(a)
	21 Methoxychlor					CAS #: 72-43-5		
	24.6	24.6	0.000	690471	0.20000	0.20		(a)
$	2 Decachlorobiphenyl					CAS #: 2051-24-3		
	28.0	28.0	0.000	275464	0.04000	0.041		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6526F.D
Report Date: 27-May-2005 14:21

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6526F.D
Lab Smp Id: INDAMCH Client Smp ID: INDAMCH
Inj Date : 26-MAY-2005 11:52
Operator : SRC: Inst ID: E4.i
Smp Info : INDAMCH,INDAMCH,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.07	-0.010	946209	0.02000	0.020		(a)
3 alpha-BHC					CAS #: 319-84-6		
9.30	9.30	0.000	1557291	0.02000	0.021		(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	1422895	0.02000	0.020		(a)
5 Heptachlor					CAS #: 76-44-8		
12.1	12.1	0.000	1367708	0.02000	0.020		(a)

5/27/05

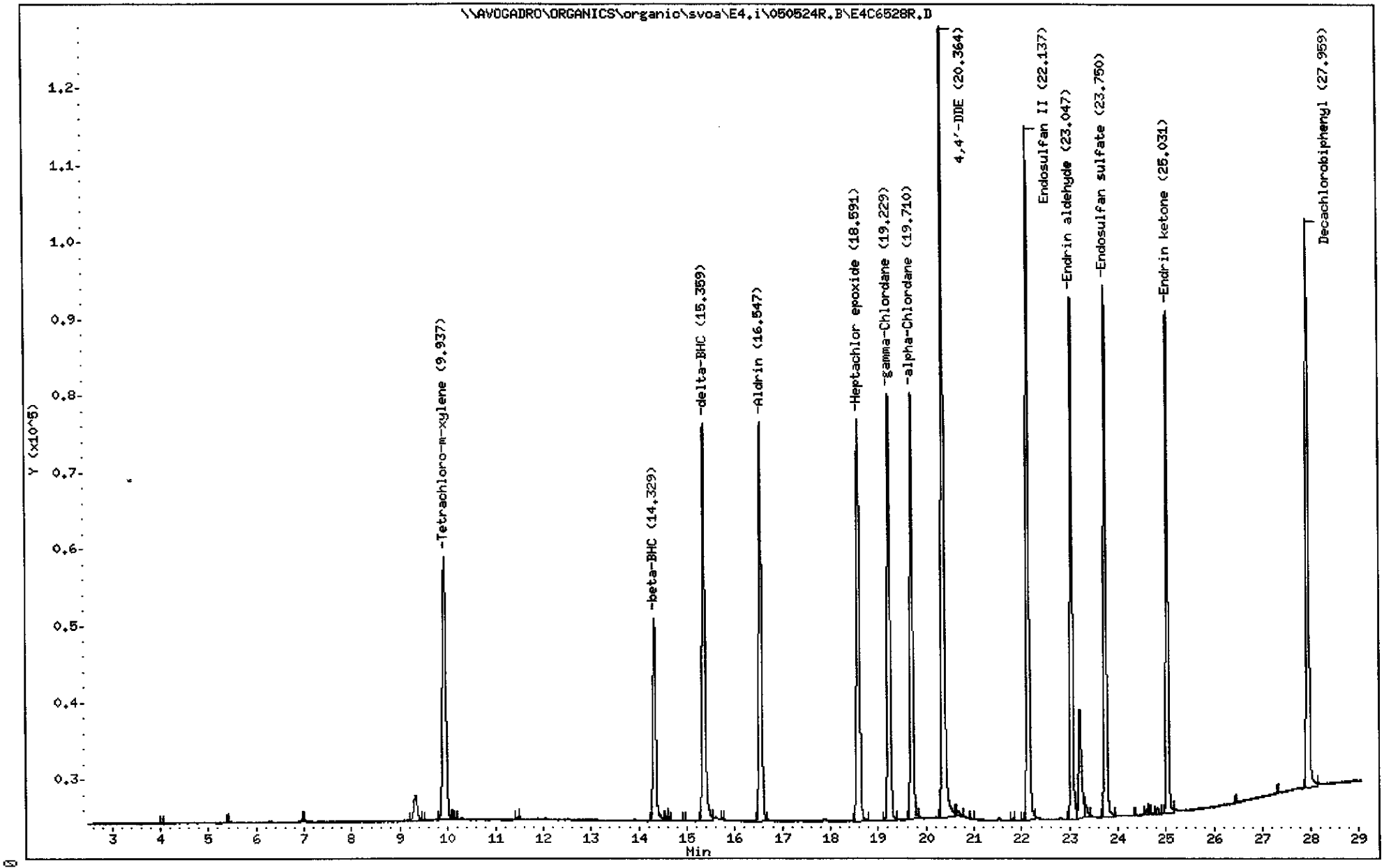
Data File: E4C6526F.D
Report Date: 27-May-2005 14:21

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
10 Endosulfan I						CAS #: 959-98-8	
16.4	16.4	0.000	1285475	0.02000	0.022		(a)
14 Dieldrin						CAS #: 60-57-1	
17.2	17.2	0.000	2761260	0.04000	0.042		(a)
15 Endrin						CAS #: 72-20-8	
17.9	17.9	0.000	2242440	0.04000	0.041		(a)
16 4,4'-DDD						CAS #: 72-54-8	
18.5	18.5	0.000	2007791	0.04000	0.041		(a)
18 4,4'-DDT						CAS #: 50-29-3	
19.3	19.3	0.000	1847503	0.04000	0.039		(a)
21 Methoxychlor						CAS #: 72-43-5	
20.9	20.9	0.000	4150958	0.20000	0.19		(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	1916405	0.04000	0.041		(a)

QC Flag Legend

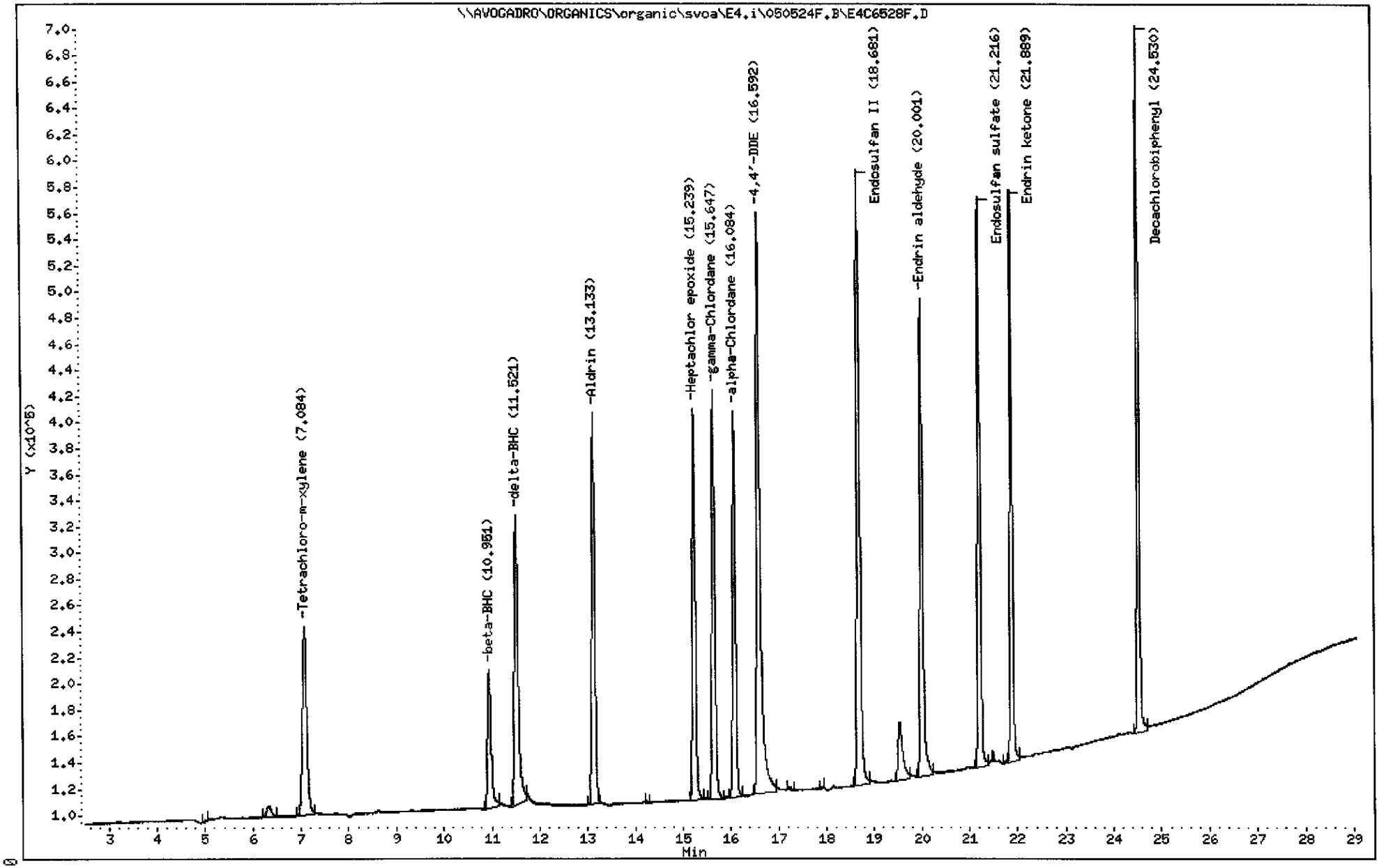
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6528R.D
Date : 26-MAY-2005 13:48
Client ID: INDBMCH
Instrument: E4.i
Sample Info: INDBMCH,INDBMCH,,indb.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0267

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6528F.D
Date : 26-MAY-2005 13:48
Client ID: INDBMCH
Instrument: E4.i
Sample Info: INDBMCH,INDBMCH,,indb,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



8928

Data File: E4C6528R.D
Report Date: 27-May-2005 14:22

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6528R.D
Lab Smp Id: INDBMCH Client Smp ID: INDBMCH
Inj Date : 26-MAY-2005 13:48
Operator : SRC: Inst ID: E4.i
Smp Info : INDBMCH,INDBMCH,,indb.sub,,
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	170240	0.02000	0.019		(a)
6 Aldrin					CAS #: 309-00-2		
16.5	16.5	0.000	206969	0.02000	0.021		(a)
7 beta-BHC					CAS #: 319-85-7		
14.3	14.3	0.000	106635	0.02000	0.020		(a)
8 delta-BHC					CAS #: 319-86-8		
15.4	15.4	0.000	201474	0.02000	0.020		(a)

5/27/05

Data File: E4C6528R.D
Report Date: 27-May-2005 14:22

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
9 Heptachlor epoxide					CAS #: 1024-57-3		
18.6	18.6	0.000	209125	0.02000	0.021		(a)
11 gamma-Chlordane					CAS #: 5103-74-2		
19.2	19.2	0.000	213361	0.02000	0.021		(a)
12 alpha-Chlordane					CAS #: 5103-71-9		
19.7	19.7	0.000	204677	0.02000	0.021		(a)
13 4,4'-DDE					CAS #: 72-55-9		
20.4	20.4	0.000	376644	0.04000	0.043		(a)
17 Endosulfan II					CAS #: 33213-65-9		
22.1	22.1	0.000	305326	0.04000	0.042		(a)
19 Endrin aldehyde					CAS #: 7421-93-4		
23.0	23.0	0.000	221683	0.04000	0.041		(a)
20 Endosulfan sulfate					CAS #: 1031-07-8		
23.8	23.7	0.100	219459	0.04000	0.050		(a)
22 Endrin ketone					CAS #: 53494-70-5		
25.0	25.0	0.000	198457	0.04000	0.048		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	254538	0.04000	0.038		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6528F.D
Report Date: 27-May-2005 14:21

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6528F.D
Lab Smp Id: INDBMCH Client Smp ID: INDBMCH
Inj Date : 26-MAY-2005 13:48
Operator : SRC: Inst ID: E4.i
Smp Info : INDBMCH,INDBMCH,,indb.sub,,
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.08	7.07	0.010	900299	0.02000	0.019		(a)
6 Aldrin					CAS #: 309-00-2		
13.1	13.1	0.000	1316043	0.02000	0.021		(a)
7 beta-BHC					CAS #: 319-85-7		
11.0	10.9	0.100	557060	0.02000	0.022		(a)
8 delta-BHC					CAS #: 319-86-8		
11.5	11.5	0.000	1156014	0.02000	0.020		(a)

Data File: E4C6528F.D
Report Date: 27-May-2005 14:21

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
9 Heptachlor epoxide					CAS #: 1024-57-3		
15.2	15.2	0.000	1255060	0.02000	0.021		(a)
11 gamma-Chlordane					CAS #: 5103-74-2		
15.6	15.6	0.000	1317152	0.02000	0.021		(a)
12 alpha-Chlordane					CAS #: 5103-71-9		
16.1	16.1	0.000	1209191	0.02000	0.021		(a)
13 4,4'-DDE					CAS #: 72-55-9		
16.6	16.6	0.000	2380104	0.04000	0.041		(a)
17 Endosulfan II					CAS #: 33213-65-9		
18.7	18.7	0.000	2128229	0.04000	0.041		(a)
19 Endrin aldehyde					CAS #: 7421-93-4		
20.0	20.0	0.000	1537420	0.04000	0.040		(a)
20 Endosulfan sulfate					CAS #: 1031-07-8		
21.2	21.2	0.000	1602536	0.04000	0.044		(a)
22 Endrin ketone					CAS #: 53494-70-5		
21.9	21.9	0.000	1503299	0.04000	0.042		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	1752213	0.04000	0.038		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK4E

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) SOIL Lab Sample ID: MB-18108

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4C6522F

% Moisture: 0 Decanted: (Y/N) N Date Received: _____

Extraction: (Type) SONC Date Extracted: 05/13/05

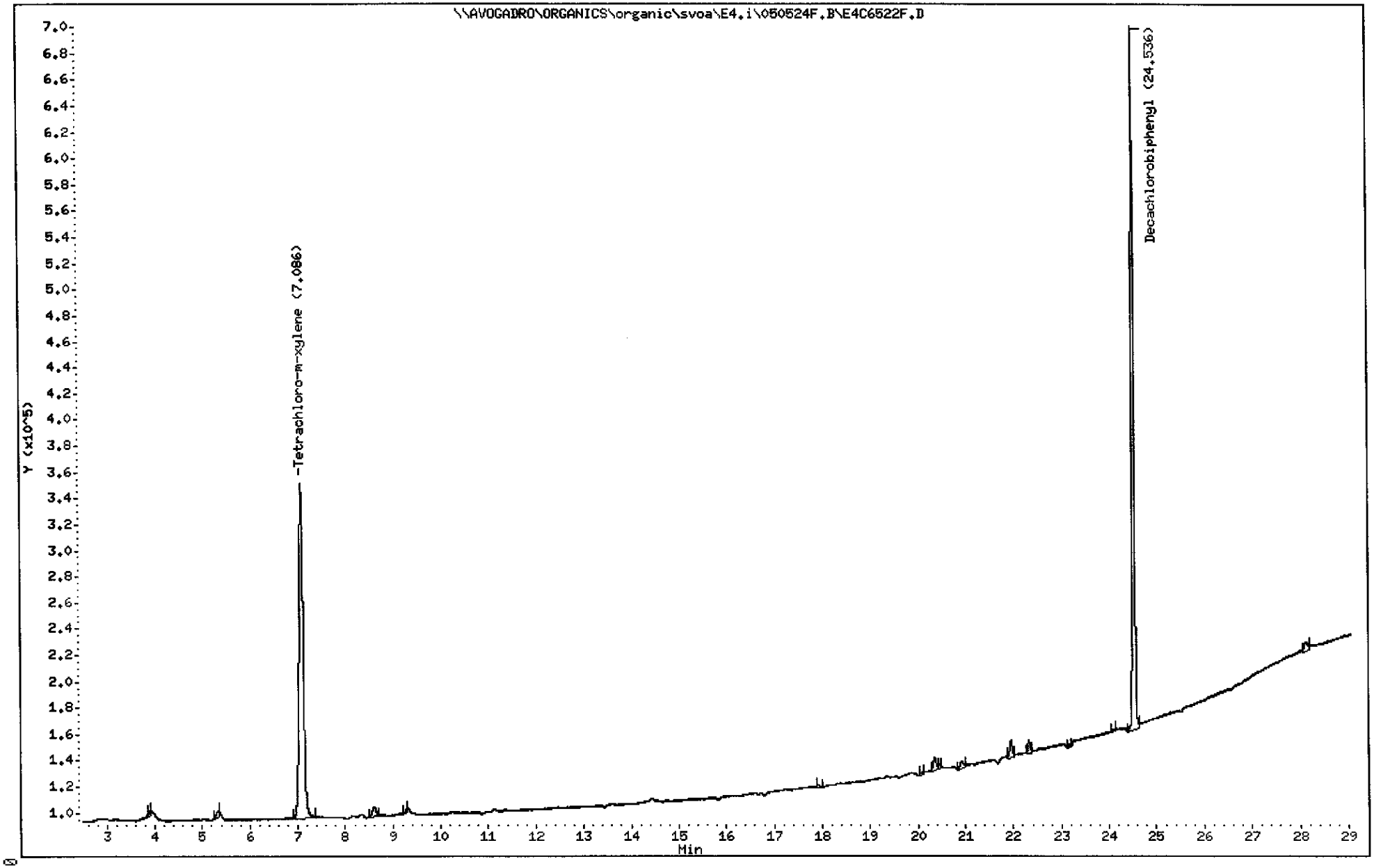
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

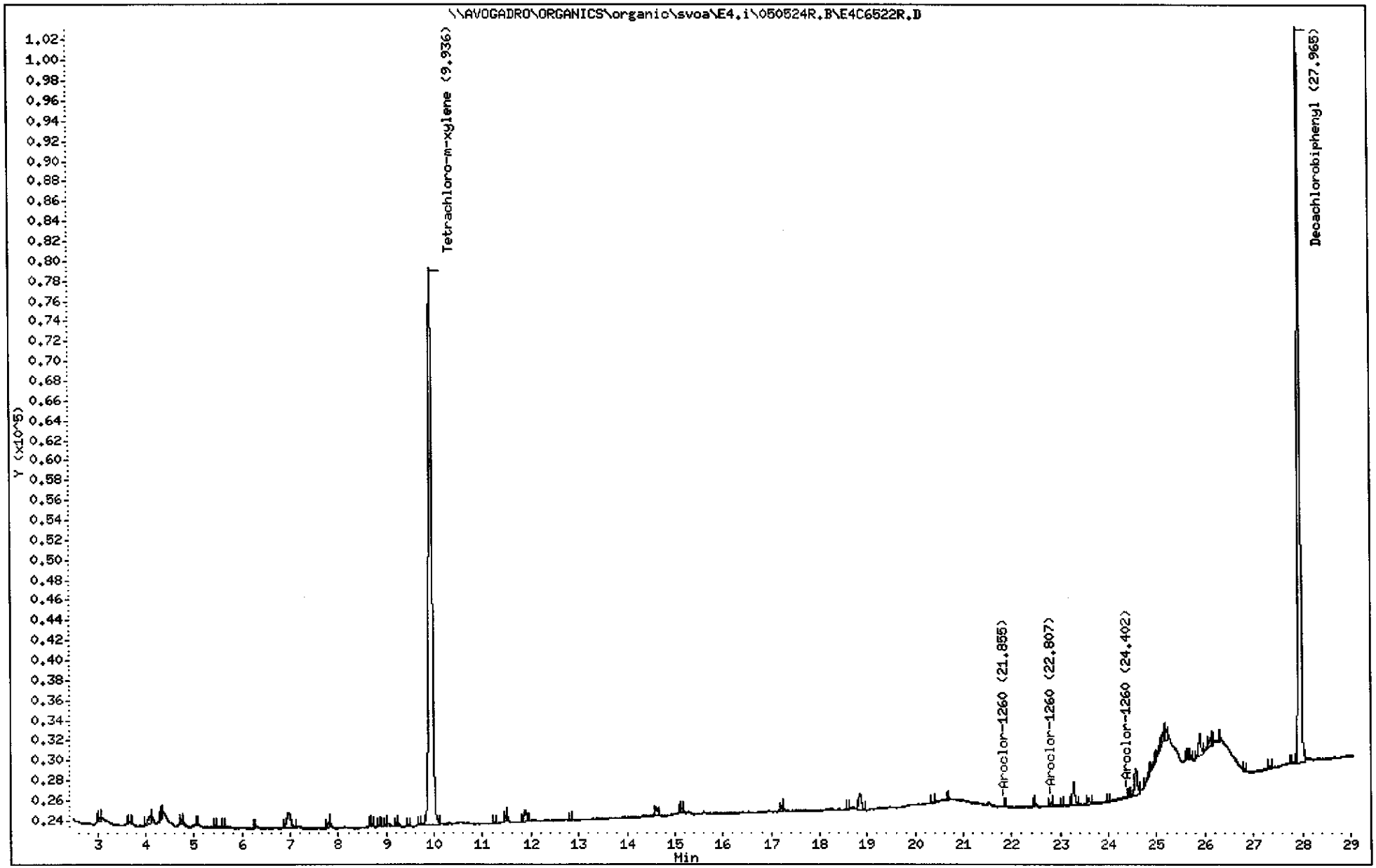
GPC Cleanup: (Y/N) Y pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6522F.D
Date : 26-MAY-2005 09:27
Client ID: PBLK4E
Instrument: E4.i
Sample Info: MB-18108,PBLK4E,18108,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6522R.D
Date : 26-MAY-2005 09:27
Client ID: PBLK4E
Instrument: E4.i
Sample Info: MB-18108,PBLK4E,18108,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E4C6522F.D
Report Date: 27-May-2005 14:20

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6522F.D
Lab Smp Id: MB-18108 Client Smp ID: PBLK4E
Inj Date : 26-MAY-2005 09:27
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : MB-18108,PBLK4E,18108,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: SOIL
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.000	% Moisture

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.09	7.07	0.020	1559348	0.03352		11	
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	1645554	0.03556		12	

5/27/05

Data File: E4C6522R.D
Report Date: 27-May-2005 14:20

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6522R.D
Lab Smp Id: MB-18108 Client Smp ID: PBLK4E
Inj Date : 26-MAY-2005 09:27
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : MB-18108,PBLK4E,18108,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: SOIL
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.000	% Moisture

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	283102	0.03147		10	
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	244192	0.03627		12	

5/27/05

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKC2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) WATER Lab Sample ID: PIBLKC2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6446F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) _____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/05/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKC2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) WATER Lab Sample ID: PIBLKC2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6446R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/05/05

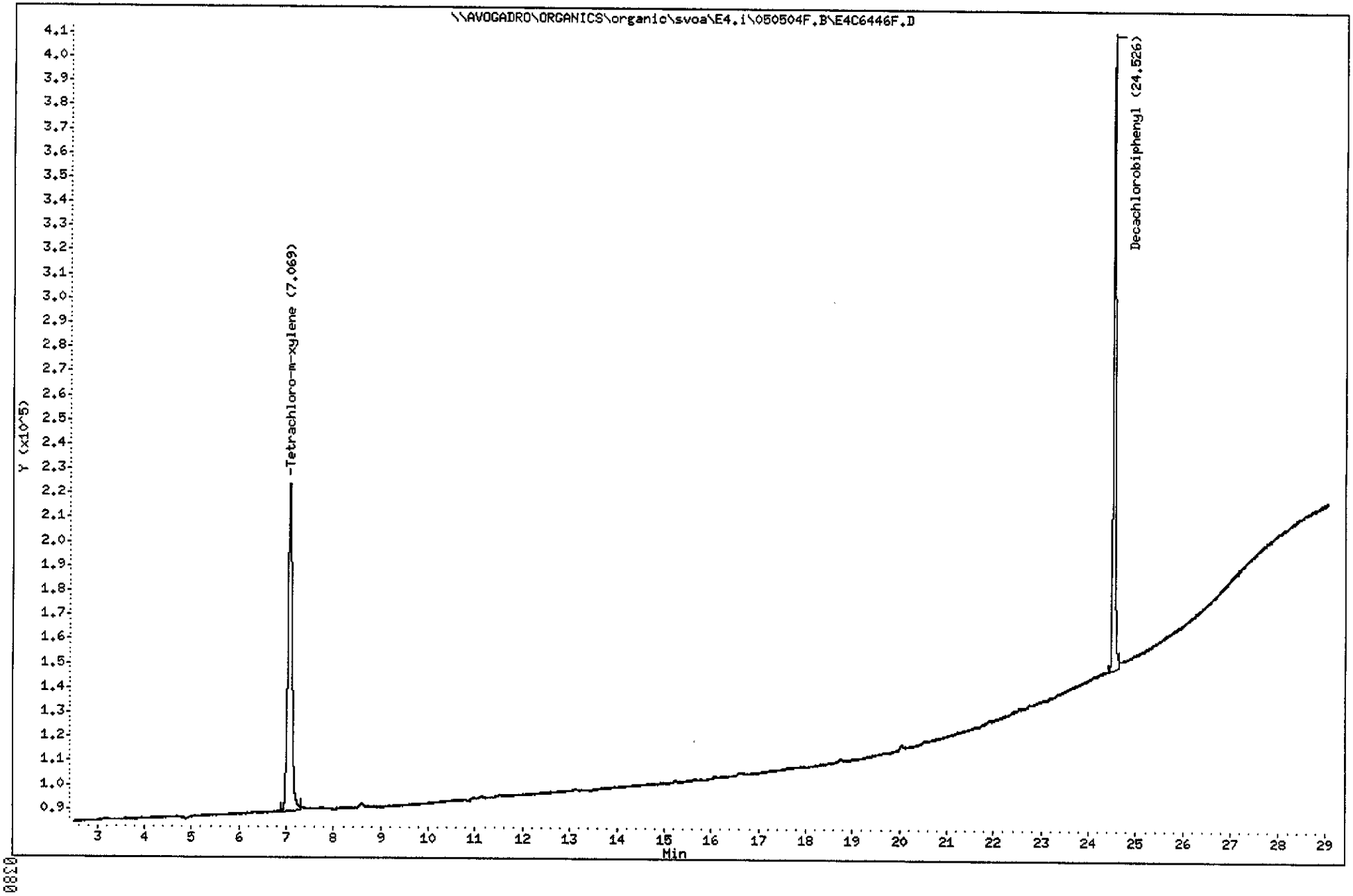
Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6446F.D
Date : 05-MAY-2005 01:27
Client ID: PIBLKC2
Sample Info: PIBLKC2,PIBLKC2,,,,
Volume Injected (uL): 1.0
Column phase: CLPPest

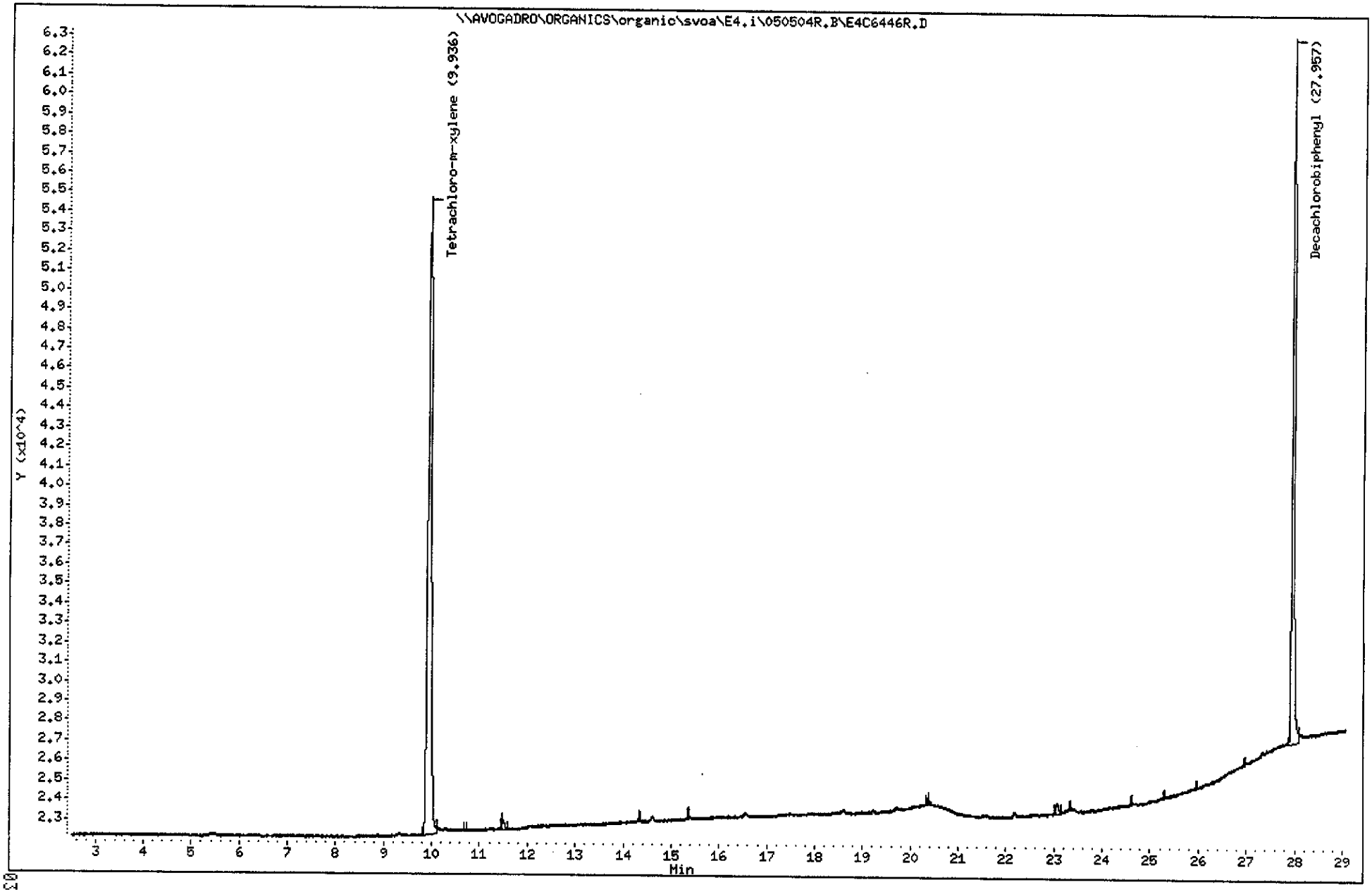
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0280

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6446R.D
Date : 05-MAY-2005 01:27
Client ID: PIBLKC2
Sample Info: PIBLKC2,PIBLKC2,,,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



03781

Data File: E4C6446F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6446F.D
Lab Smp Id: PIBLKC2 Client Smp ID: PIBLKC2
Inj Date : 05-MAY-2005 01:27
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKC2,PIBLKC2,,,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CLP.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.07	7.07	0.000	846254	0.01819	0.18		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	856626	0.01851	0.19		

SC 05/05/05

Data File: E4C6446R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6446R.D
Lab Smp Id: PIBLKC2 Client Smp ID: PIBLKC2
Inj Date : 05-MAY-2005 01:27
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKC2,PIBLKC2,,,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CLP.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	164711	0.01831	0.18		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	124502	0.01849	0.18		

SZ 08/08/05

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKCG

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCG

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6520F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) _____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKCG

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCG

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6520R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) _____ Date Extracted: _____

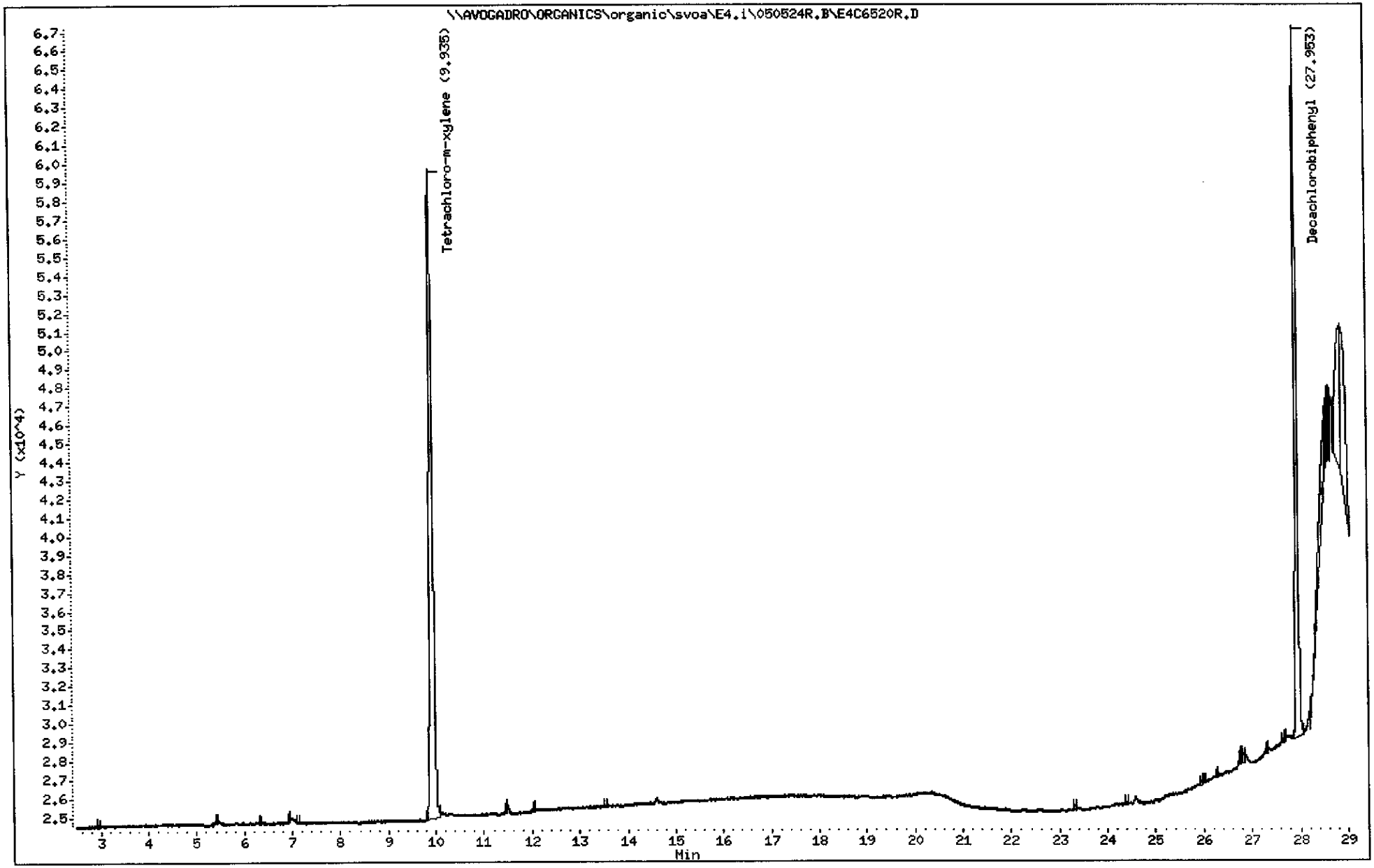
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

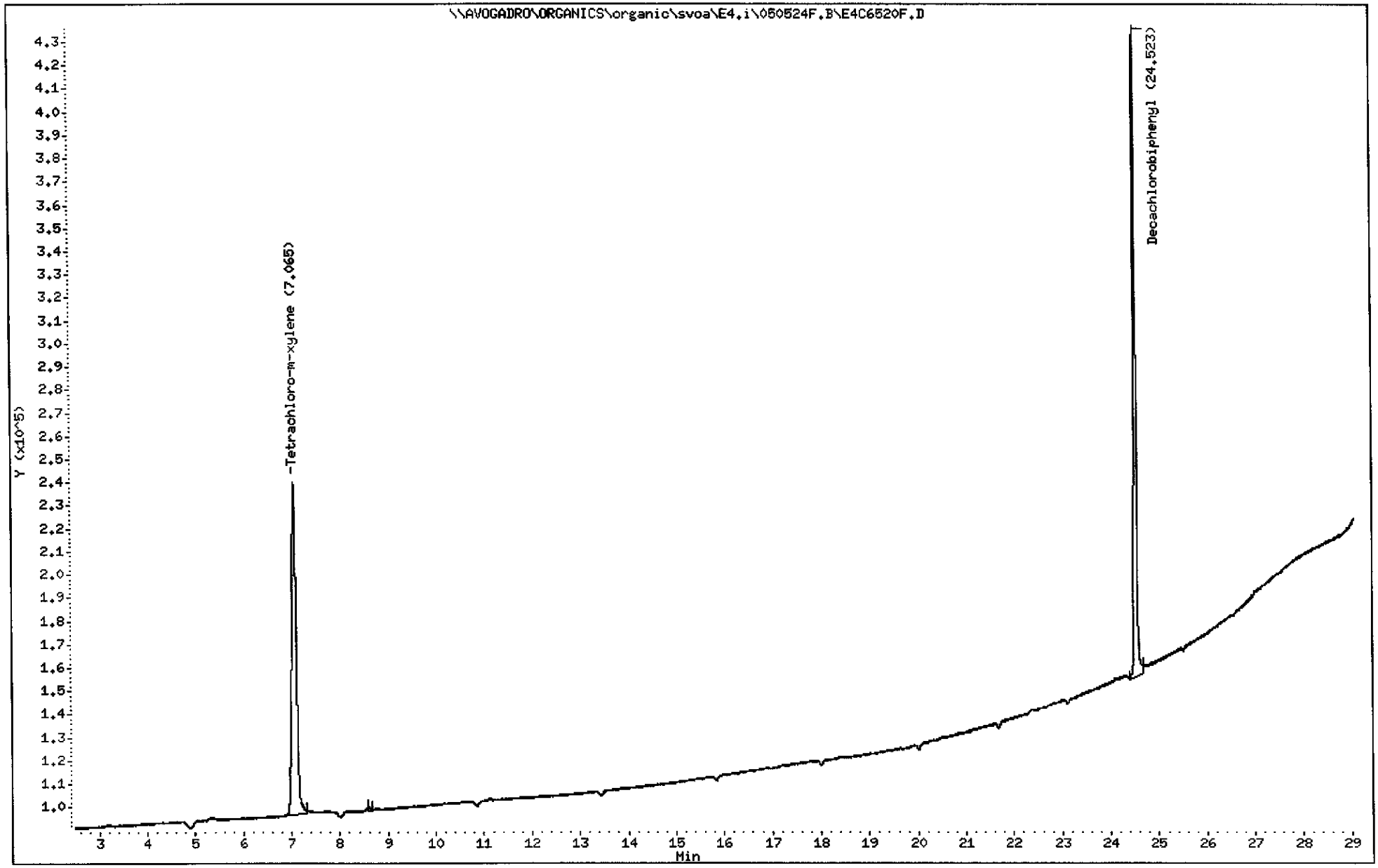
GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6520R.D
Date : 26-MAY-2005 05:46
Client ID: PIBLKCG
Instrument: E4.i
Sample Info: PIBLKCG,PIBLKCG,,clp.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6520F.D
Date : 26-MAY-2005 05:46
Client ID: PIBLKCG
Instrument: E4.i
Sample Info: PIBLKCG,PIBLKCG,,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0287

Data File: E4C6520R.D
Report Date: 27-May-2005 14:21

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6520R.D
Lab Smp Id: PIBLKCG Client Smp ID: PIBLKCG
Inj Date : 26-MAY-2005 05:46
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKCG,PIBLKCG,,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.93	9.94	-0.010	174719	0.01942	0.19		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	129286	0.01921	0.19		

5/27/05

Data File: E4C6520F.D
Report Date: 27-May-2005 14:21

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6520F.D
Lab Smp Id: PIBLKCG Client Smp ID: PIBLKCG
Inj Date : 26-MAY-2005 05:46
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKCG,PIBLKCG,,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene							CAS #: 877-09-8	
	7.06	7.07	-0.010	907978	0.01952	0.20		
$ 2 Decachlorobiphenyl							CAS #: 2051-24-3	
	24.5	24.5	0.000	917930	0.01984	0.20		

5/27/05

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKCH

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCH

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6525F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKCH

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCH

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6525R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

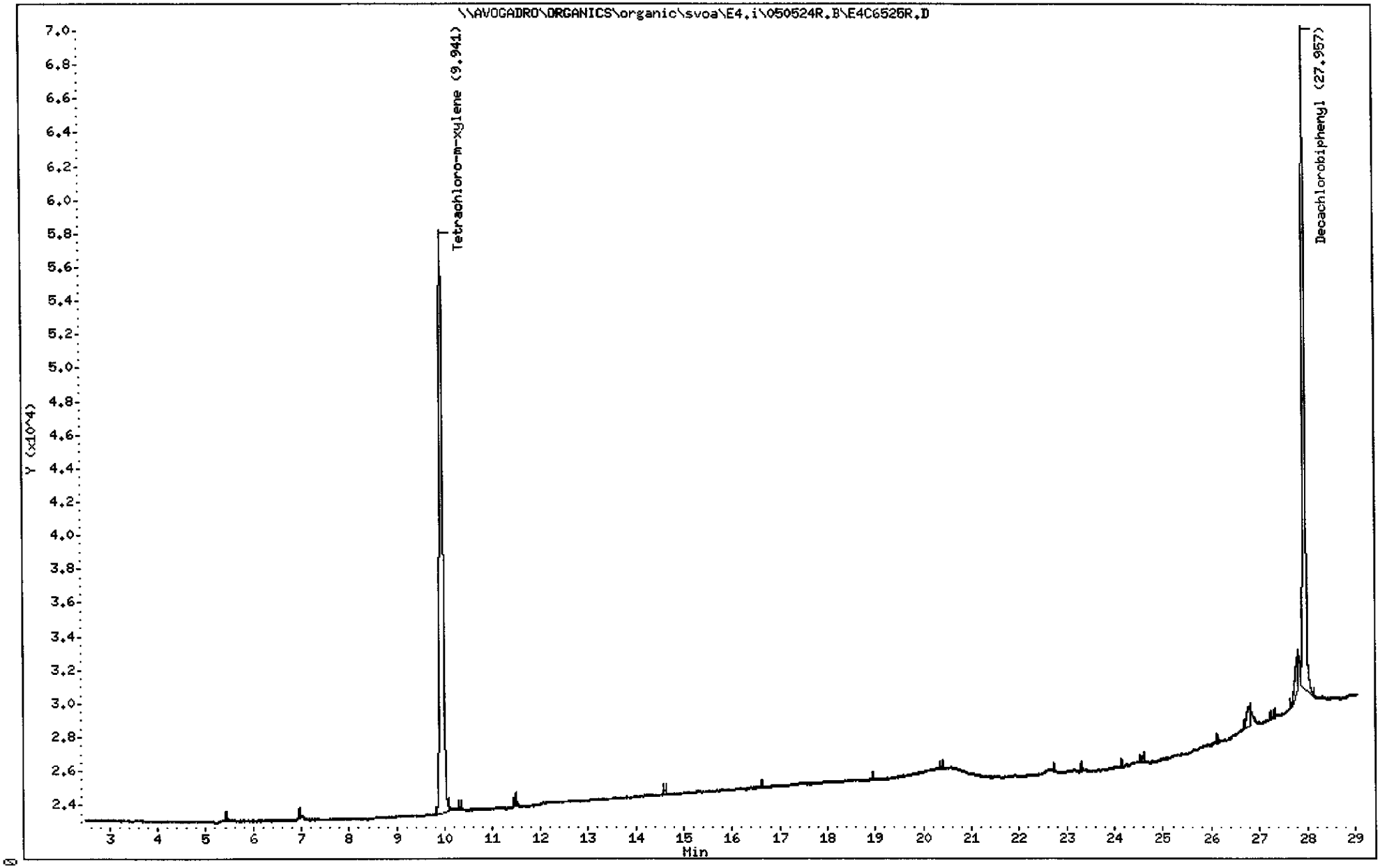
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

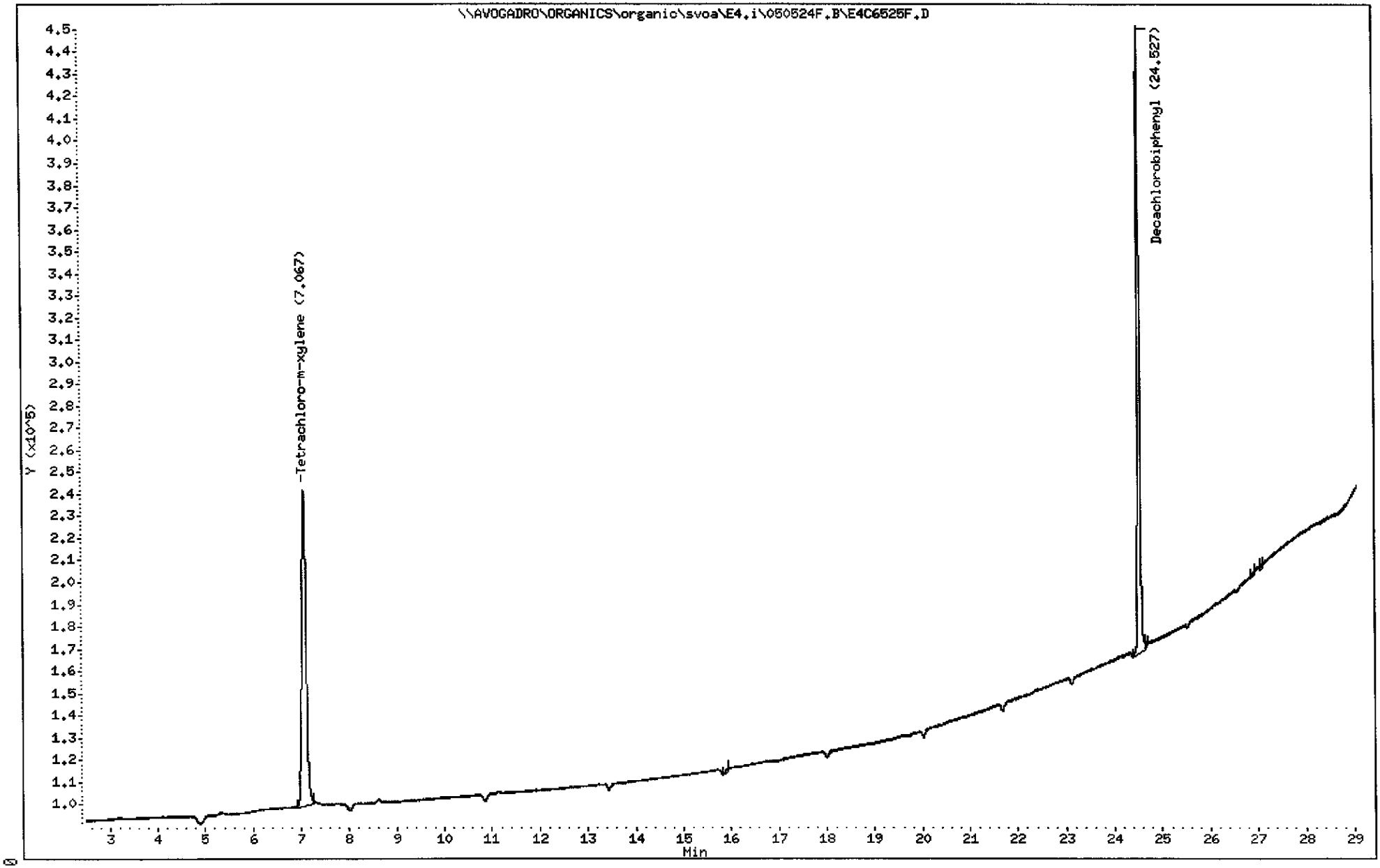
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6525R.D
Date : 26-MAY-2005 11:16
Client ID: PIBLKCH
Instrument: E4.i
Sample Info: PIBLKCH,PIBLKCH,,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0292

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6525F.D
Date : 26-MAY-2005 11:16
Client ID: PIBLKCH
Instrument: E4.i
Sample Info: PIBLKCH,PIBLKCH,,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0293

Data File: E4C6525R.D
Report Date: 27-May-2005 14:22

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6525R.D
Lab Smp Id: PIBLKCH Client Smp ID: PIBLKCH
Inj Date : 26-MAY-2005 11:16
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKCH,PIBLKCH,,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	174361	0.01938	0.19		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	139432	0.02071	0.21		

5/27/05

Data File: E4C6525F.D
Report Date: 27-May-2005 14:21

Mitkem Corporation

NYASP Pesticide Quantitation Report

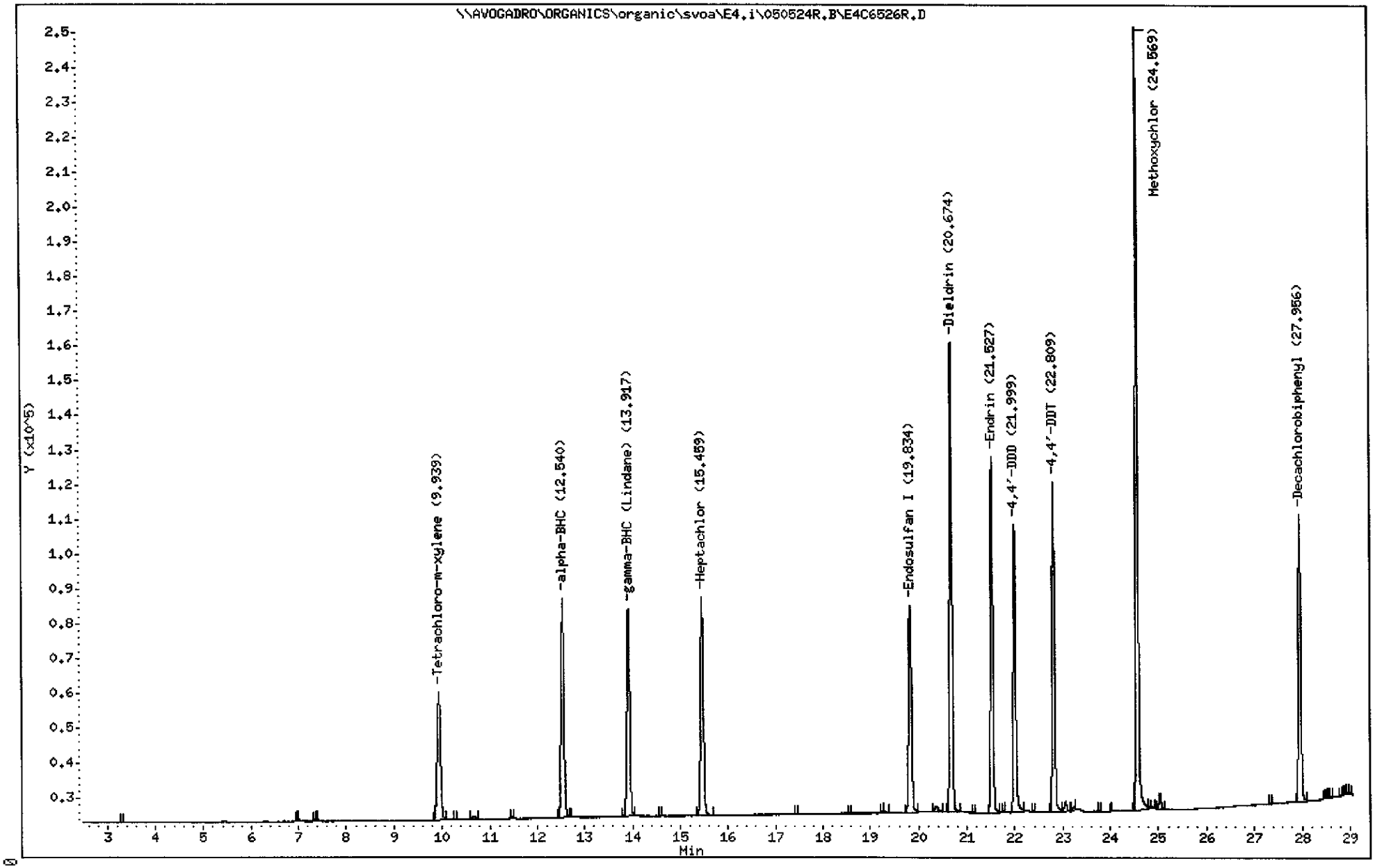
Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6525F.D
Lab Smp Id: PIBLKCH Client Smp ID: PIBLKCH
Inj Date : 26-MAY-2005 11:16
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKCH,PIBLKCH,,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.07	7.07	0.000	892443	0.01918	0.19		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	931512	0.02013	0.20		

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6526R.D
Date : 26-MAY-2005 11:52
Client ID: INDAMCH
Instrument: E4.i
Sample Info: INDAMCH,INDAMCH,,inda.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0296

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

P4ELCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0523

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18108

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4C6523F

% Moisture: 0 Decanted: (Y/N) N Date Received: _____

Extraction: (Type) SONC Date Extracted: 05/13/05

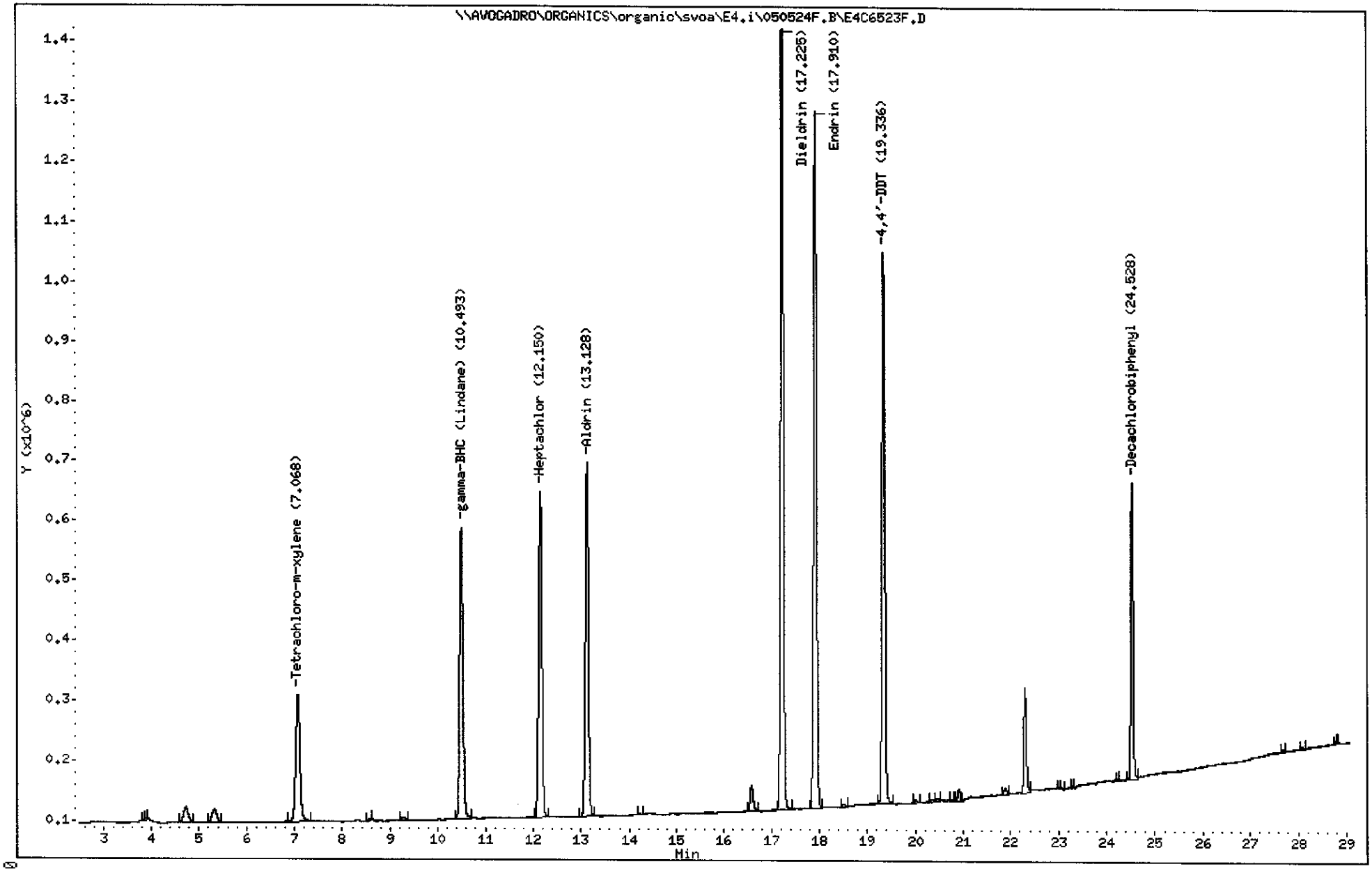
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Sulfur Cleanup: (Y/N) Y

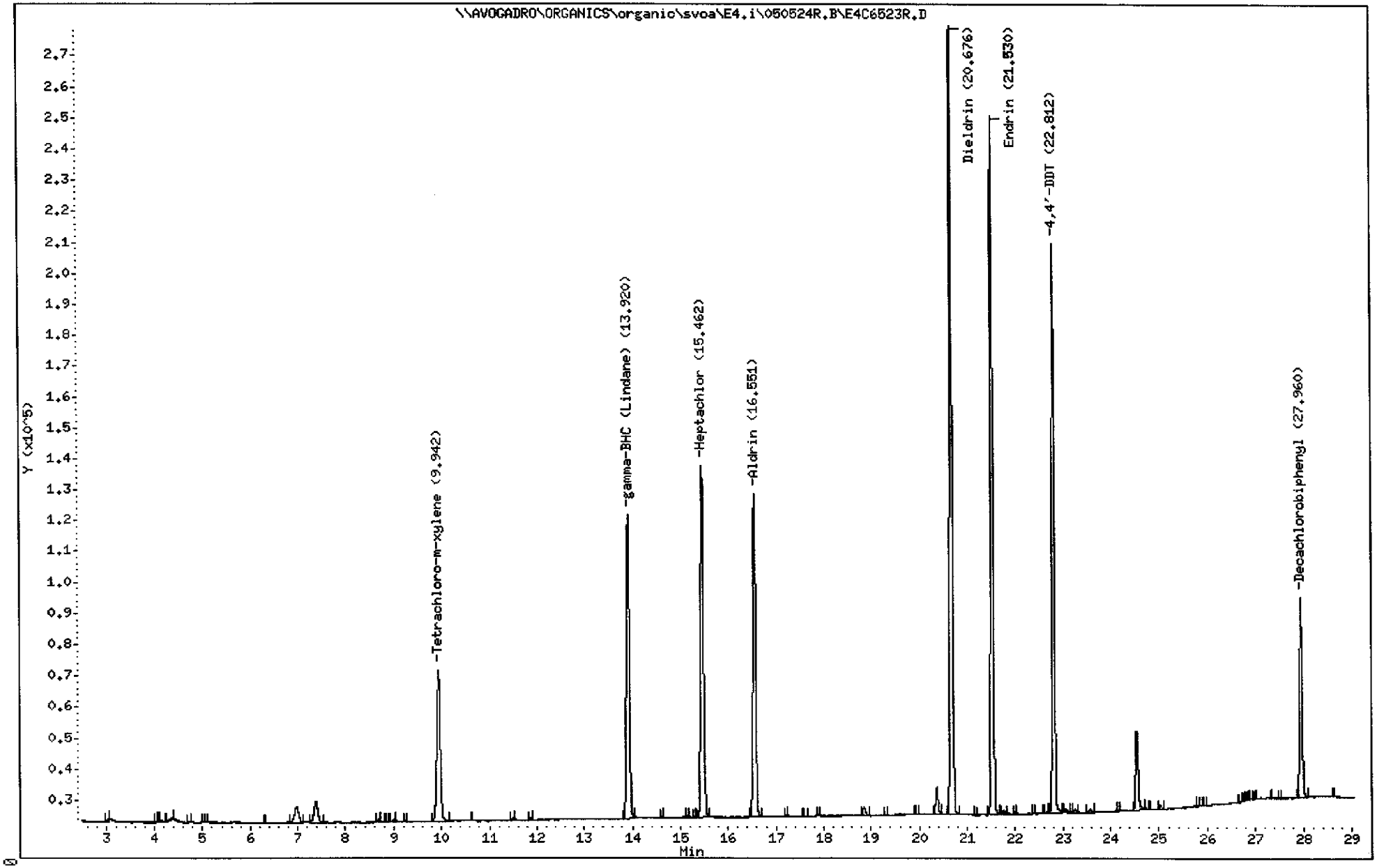
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	11	
76-44-8	Heptachlor	12	
309-00-2	Aldrin	14	
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	26	
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	28	
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	24	
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6523F.D
Date : 26-MAY-2005 10:03
Client ID: P4ELCS
Instrument: E4.i
Sample Info: LCS-18108,P4ELCS,18108,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



8620
0298

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6523R.D
Date : 26-MAY-2005 10:03
Client ID: P4ELCS
Instrument: E4.i
Sample Info: LCS-18108,P4ELCS,18108,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



6620

Data File: E4C6523F.D
Report Date: 27-May-2005 14:20

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6523F.D
Lab Smp Id: LCS-18108 Client Smp ID: P4ELCS
Inj Date : 26-MAY-2005 10:03
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : LCS-18108,P4ELCS,18108,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: SOIL
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.000	% Moisture

			CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.07	7.07	0.000	1303182	0.02801	9.3		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	1503762	0.03250	11		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	2301197	0.03296	11		
5 Heptachlor					CAS #: 76-44-8		
12.2	12.1	0.100	2480056	0.03637	12		

5/27/05

Data File: E4C6523F.D
Report Date: 27-May-2005 14:20

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
6 Aldrin					CAS #: 309-00-2		
13.1	13.1	0.000	2568659	0.04107	14		
14 Dieldrin					CAS #: 60-57-1		
17.2	17.2	0.000	5194650	0.07831	26		
15 Endrin					CAS #: 72-20-8		
17.9	17.9	0.000	4685429	0.08510	28		
18 4,4'-DDT					CAS #: 50-29-3		
19.3	19.3	0.000	3439251	0.07269	24		

Data File: E4C6523R.D
Report Date: 27-May-2005 14:23

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6523R.D
Lab Smp Id: LCS-18108 Client Smp ID: P4ELCS
Inj Date : 26-MAY-2005 10:03
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : LCS-18108,P4ELCS,18108,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: SOIL
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.000	% Moisture

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	247806	0.02754		9.2	
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	212744	0.03160		11	
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
13.9	13.9	0.000	378805	0.03231		11	
5 Heptachlor						CAS #: 76-44-8	
15.5	15.5	0.000	456655	0.03641		12	

5/27/05

Data File: E4C6523R.D
Report Date: 27-May-2005 14:23

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
6 Aldrin					CAS #: 309-00-2		
16.6	16.5	0.100	409228	0.04126	14		
14 Dieldrin					CAS #: 60-57-1		
20.7	20.7	0.000	845940	0.08220	27		
15 Endrin					CAS #: 72-20-8		
21.5	21.5	0.000	725623	0.09196	31		
18 4,4'-DDT					CAS #: 50-29-3		
22.8	22.8	0.000	555578	0.07956	27		

Date	Position #
5.19.05	1
	2
	3
	4
5.19.5	5
	6
	7
	8
	9
	10
	11
	12
	13
	14
	15
	16
	17
	18
	19
	20
	21
	22
	23

COLUMN ID: 5

0404

Logbook ID 50.01 7-1

Acceptance Criteria: C ... u...

Re

Rate: 5.0 mL/min

TION VOLUME: 5mL

ents

PRINTED IN U.S.A.

Card 1 05.05.19 uv/vis

5mA Column 2500

Dump 20.00 Wash 1000

Collect 2500 Dump 2100

Resi Collect 1800 Wash 1000

PRIME BEGIN

CoCm Blu

Benp

Methoxyredar

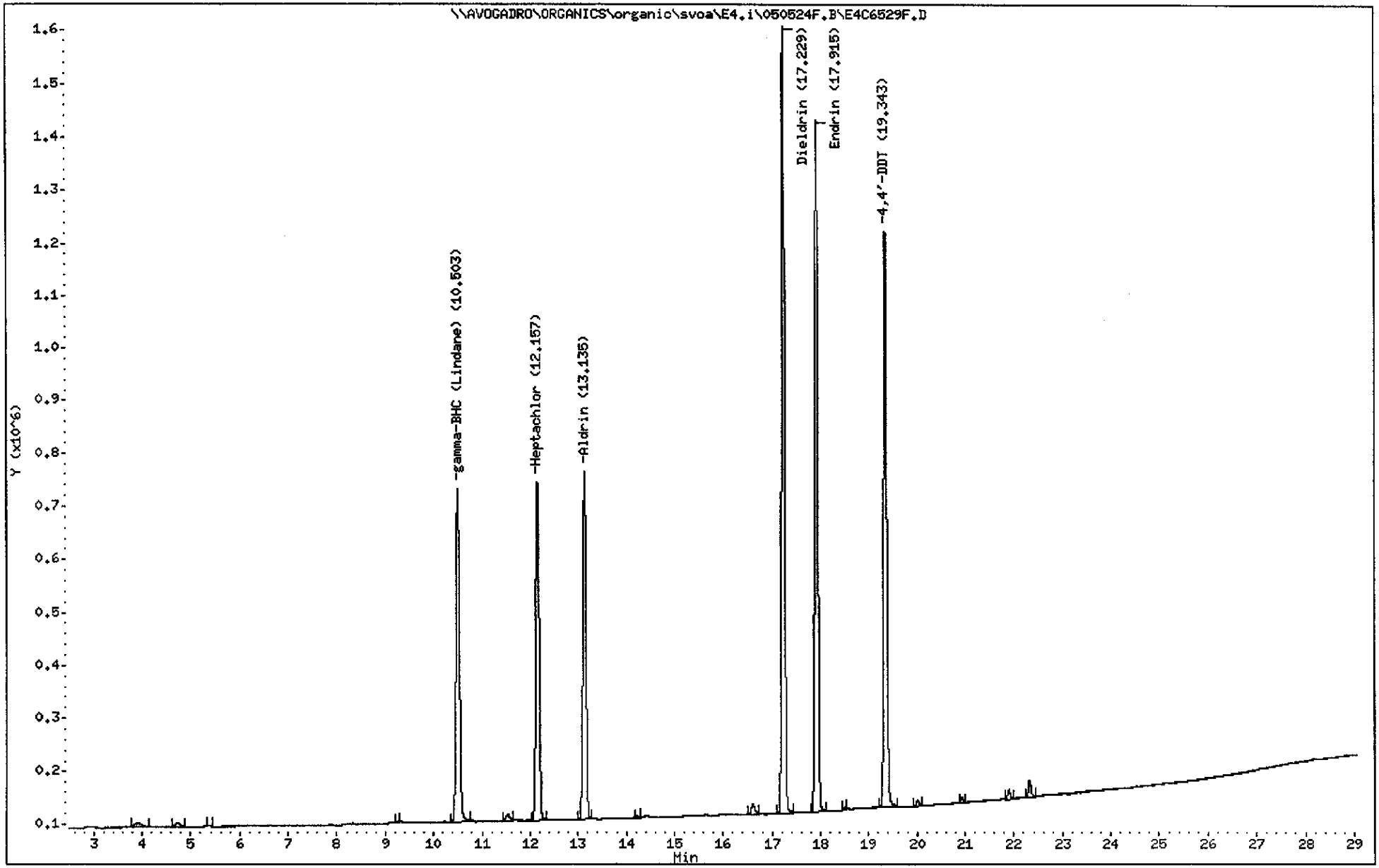
Pentylene

Residual 99% Sulfur

100 90 80 70 60 50 40 30 20 10 0

4500

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6529F.D
Date : 26-MAY-2005 14:34
Client ID: GPC0519-PMS1
Instrument: E4.i
Sample Info: GPC0519-PMS1,,,gpc,sub,gpc,spk,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0405

Data File: E4C6529F.D
Report Date: 27-May-2005 14:56

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6529F.D
Lab Smp Id: GPC0519-PMS1 Client Smp ID: GPC0519-PMS1
Inj Date : 26-MAY-2005 14:34
Operator : SRC: Inst ID: E4.i
Smp Info : GPC0519-PMS1,,,gpc.sub,gpc.spk,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 15 QC Sample: GPCCAL
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: gpc.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

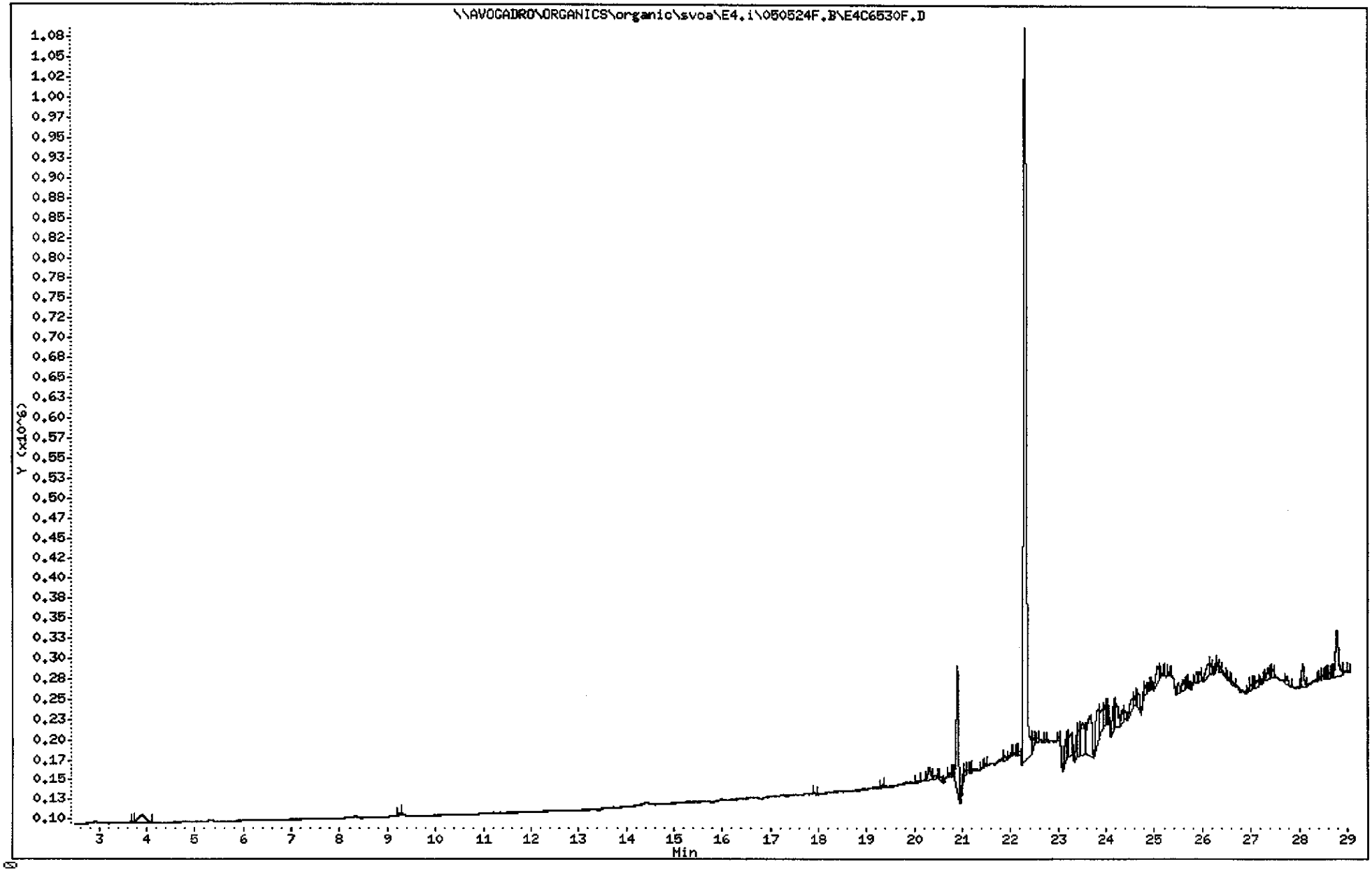
				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
10.5	10.5	0.000	3036472	0.04349	0.043		
5 Heptachlor						CAS #: 76-44-8	
12.2	12.1	0.100	2949717	0.04325	0.043		
6 Aldrin						CAS #: 309-00-2	
13.1	13.1	0.000	2909000	0.04652	0.047		
14 Dieldrin						CAS #: 60-57-1	
17.2	17.2	0.000	5965590	0.08993	0.090		

5/24/06

Data File: E4C6529F.D
Report Date: 27-May-2005 14:56

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
15 Endrin					CAS #: 72-20-8		
17.9	17.9	0.000	5368999	0.09751	0.098		
18 4,4'-DDT					CAS #: 50-29-3		
19.3	19.3	0.000	4275177	0.09036	0.090		

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6530F.D
Date : 26-MAY-2005 15:10
Client ID:
Instrument: E4.i
Sample Info: GPC0519-PB1,,,,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0408

Data File: E4C6530F.D
Report Date: 27-May-2005 14:56

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6530F.D
Lab Smp Id: GPC0519-PB1
Inj Date : 26-MAY-2005 15:10
Operator : SRC: Inst ID: E4.i
Smp Info : GPC0519-PB1,,,,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CLP.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER

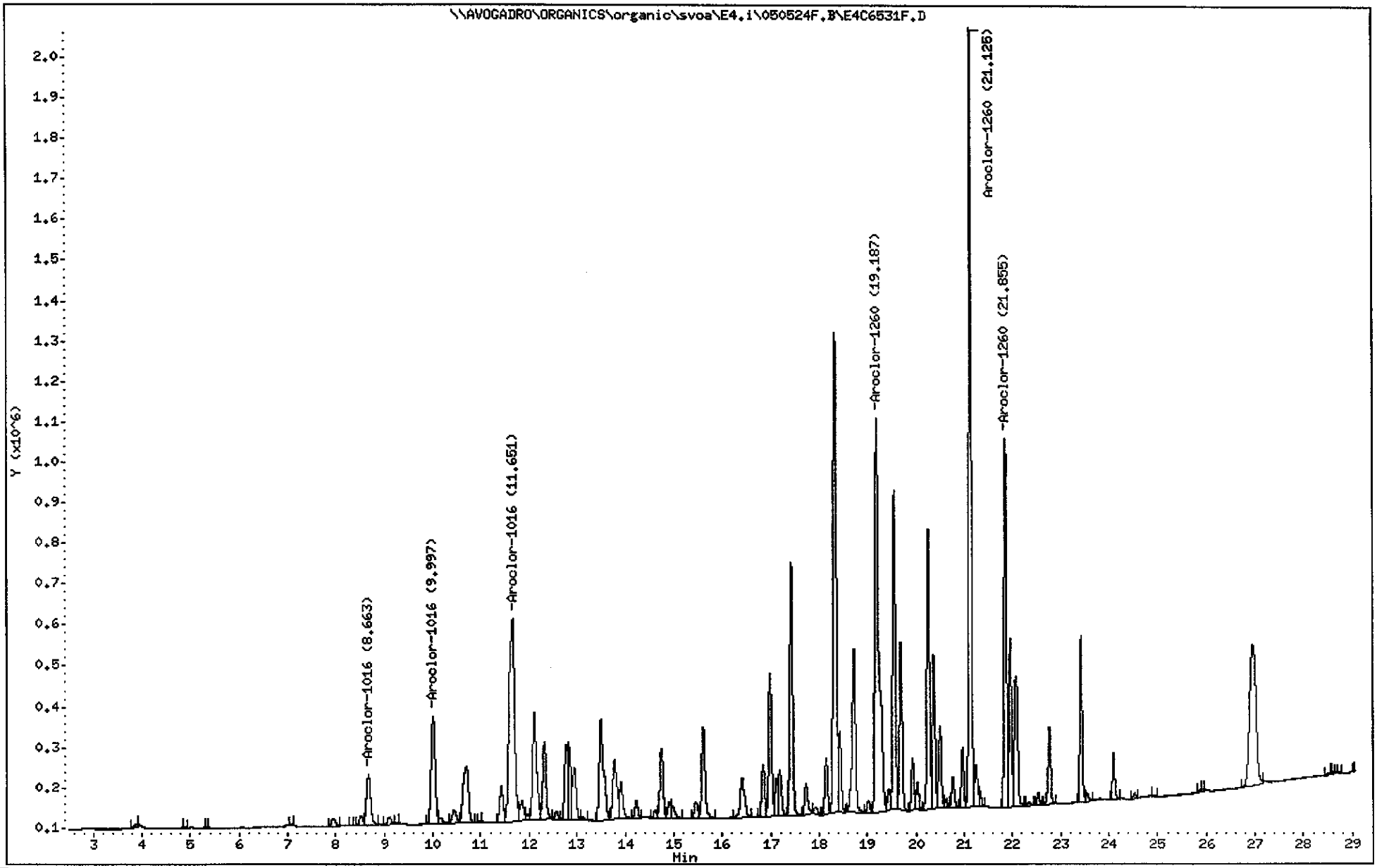
Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)		
RT	EXP RT	DLT RT	RESPONSE			TARGET RANGE	RATIO

5/27/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6531F.D
Date : 26-MAY-2005 15:47
Client ID:
Instrument: E4.i
Sample Info: GPC0519-AROC1,,,,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0410

Data File: E4C6531F.D
Report Date: 27-May-2005 14:56

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6531F.D
Lab Smp Id: GPC0519-AROC1
Inj Date : 26-MAY-2005 15:47
Operator : SRC: Inst ID: E4.i
Smp Info : GPC0519-AROC1,,,,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1660.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

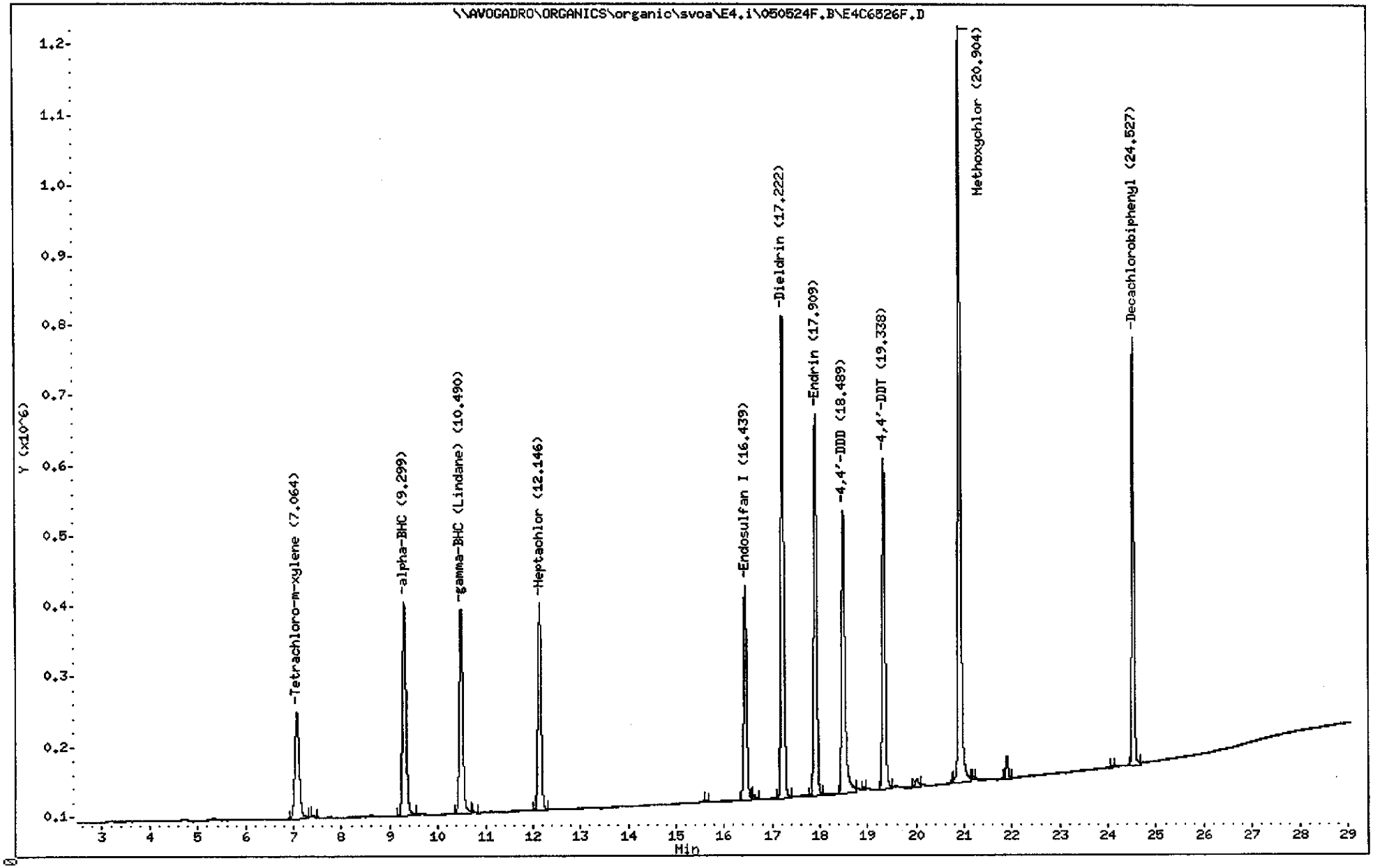
Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
23 Aroclor-1016					CAS #: 12674-11-2		
8.66	8.67	-0.010	750714	1.14177	11	80.00- 120.00	100.00
10.0	10.0	0.000	1574455	1.05551	11	206.87- 246.87	209.73
11.7	11.7	0.000	3757424	1.21462	12	450.49- 490.49	500.51
		Average of Peak Concentrations =			11		
29 Aroclor-1260					CAS #: 11096-82-5		
19.2	19.2	0.000	5469645	1.12472	11	80.00- 120.00	100.00
21.1	21.1	0.000	6833523	1.18660	12	98.42- 138.42	124.94
21.9	21.9	0.000	3176203	1.15797	12	36.40- 76.40	58.07
		Average of Peak Concentrations =			12		

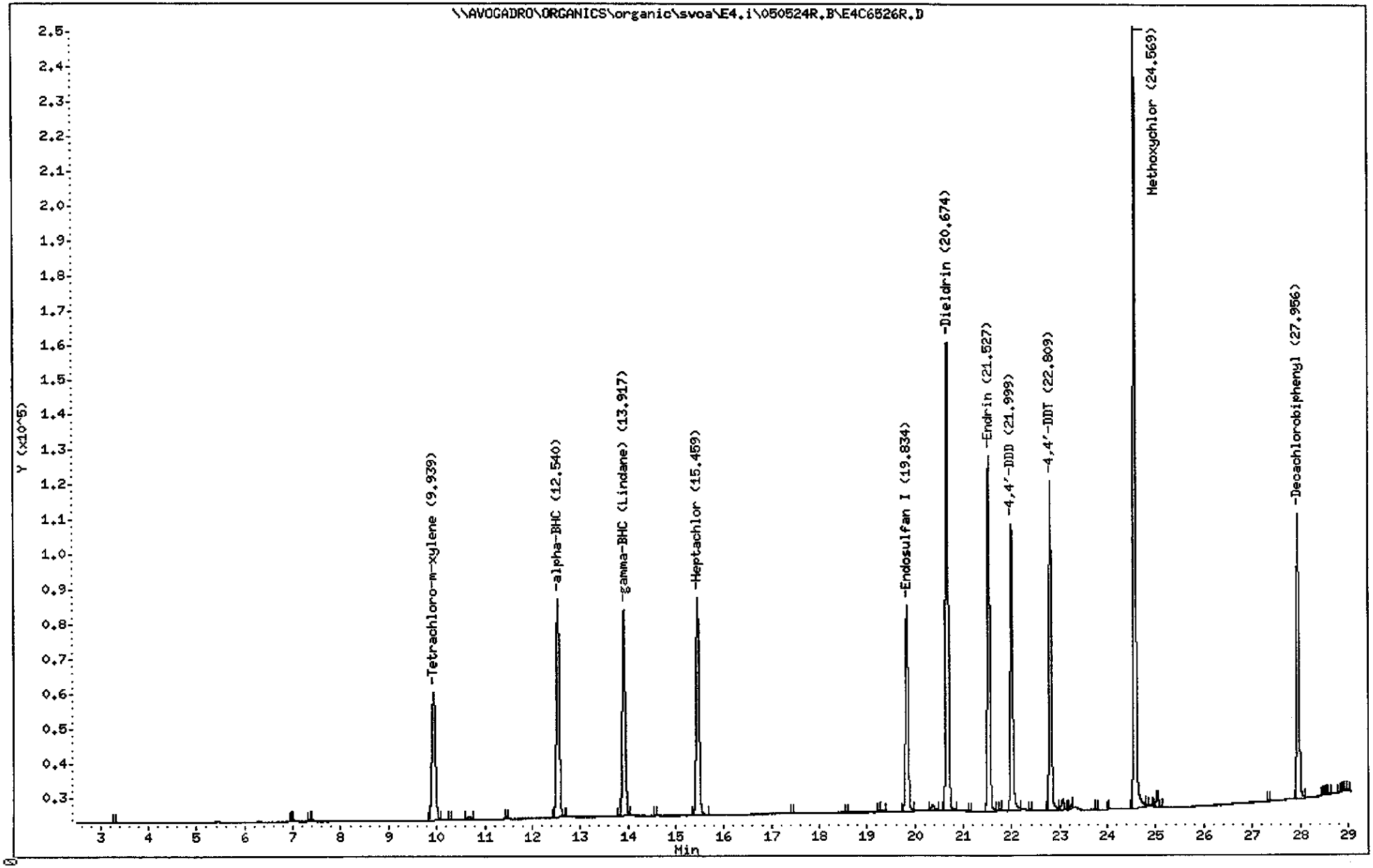
5/31/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6526F.D
Date : 26-MAY-2005 11:52
Client ID: INDAMCH
Instrument: E4.i
Sample Info: INDAMCH,INDAMCH,,inda.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0412

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6526R.D
Date : 26-MAY-2005 11:52
Client ID: INDAMCH
Instrument: E4.i
Sample Info: INDAMCH,INDAMCH,,inda,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0413

Data File: E4C6526F.D
Report Date: 27-May-2005 14:59

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6526F.D
Lab Smp Id: INDAMCH Client Smp ID: INDAMCH
Inj Date : 26-MAY-2005 11:52
Operator : SRC: Inst ID: E4.i
Smp Info : INDAMCH,INDAMCH,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.07	-0.010	946209	0.02000	0.020		(a)
3 alpha-BHC					CAS #: 319-84-6		
9.30	9.30	0.000	1557291	0.02000	0.021		(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	1422895	0.02000	0.020		(a)
5 Heptachlor					CAS #: 76-44-8		
12.1	12.1	0.000	1367708	0.02000	0.020		(a)

5/27/05

Data File: E4C6526F.D
Report Date: 27-May-2005 14:59

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
10 Endosulfan I						CAS #: 959-98-8	
16.4	16.4	0.000	1285475	0.02000	0.022		(a)
14 Dieldrin						CAS #: 60-57-1	
17.2	17.2	0.000	2761260	0.04000	0.042		(a)
15 Endrin						CAS #: 72-20-8	
17.9	17.9	0.000	2242440	0.04000	0.041		(a)
16 4,4'-DDD						CAS #: 72-54-8	
18.5	18.5	0.000	2007791	0.04000	0.041		(a)
18 4,4'-DDT						CAS #: 50-29-3	
19.3	19.3	0.000	1847503	0.04000	0.039		(a)
21 Methoxychlor						CAS #: 72-43-5	
20.9	20.9	0.000	4150958	0.20000	0.19		(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	1916405	0.04000	0.041		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6526R.D
Report Date: 27-May-2005 14:59

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6526R.D
Lab Smp Id: INDAMCH Client Smp ID: INDAMCH
Inj Date : 26-MAY-2005 11:52
Operator : SRC: Inst ID: E4.i
Smp Info : INDAMCH,INDAMCH,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
9.94	9.94	0.000	183374	0.02000	0.020			(a)
3 alpha-BHC						CAS #: 319-84-6		
12.5	12.5	0.000	258740	0.02000	0.021			(a)
4 gamma-BHC (Lindane)						CAS #: 58-89-9		
13.9	13.9	0.000	236001	0.02000	0.020			(a)
5 Heptachlor						CAS #: 76-44-8		
15.5	15.5	0.000	256654	0.02000	0.020			(a)

5/27/05

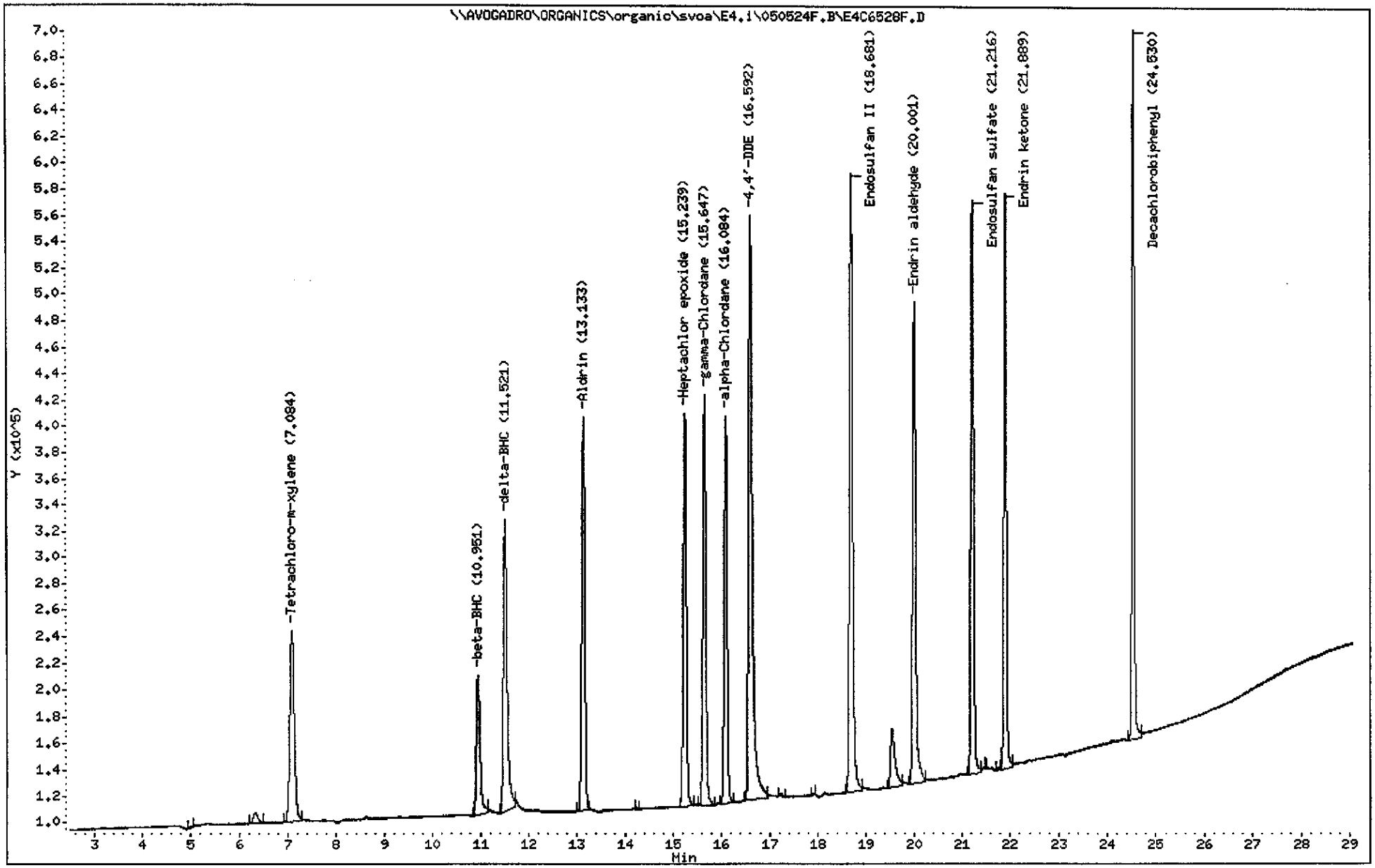
Data File: E4C6526R.D
Report Date: 27-May-2005 14:59

				AMOUNTS			
				CAL-AMT	ON-COL		
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
	==	======	========	========	=======	=======	============	=====
	10 Endosulfan I					CAS #: 959-98-8		
	19.8	19.8	0.000	219402	0.02000	0.022		(a)
	14 Dieldrin					CAS #: 60-57-1		
	20.7	20.7	0.000	455991	0.04000	0.044		(a)
	15 Endrin					CAS #: 72-20-8		
	21.5	21.5	0.000	337054	0.04000	0.043		(a)
	16 4,4'-DDD					CAS #: 72-54-8		
	22.0	22.0	0.000	273293	0.04000	0.043		(a)
	18 4,4'-DDT					CAS #: 50-29-3		
	22.8	22.8	0.000	294270	0.04000	0.042		(a)
	21 Methoxychlor					CAS #: 72-43-5		
	24.6	24.6	0.000	690471	0.20000	0.20		(a)
$	2 Decachlorobiphenyl					CAS #: 2051-24-3		
	28.0	28.0	0.000	275464	0.04000	0.041		(a)

QC Flag Legend

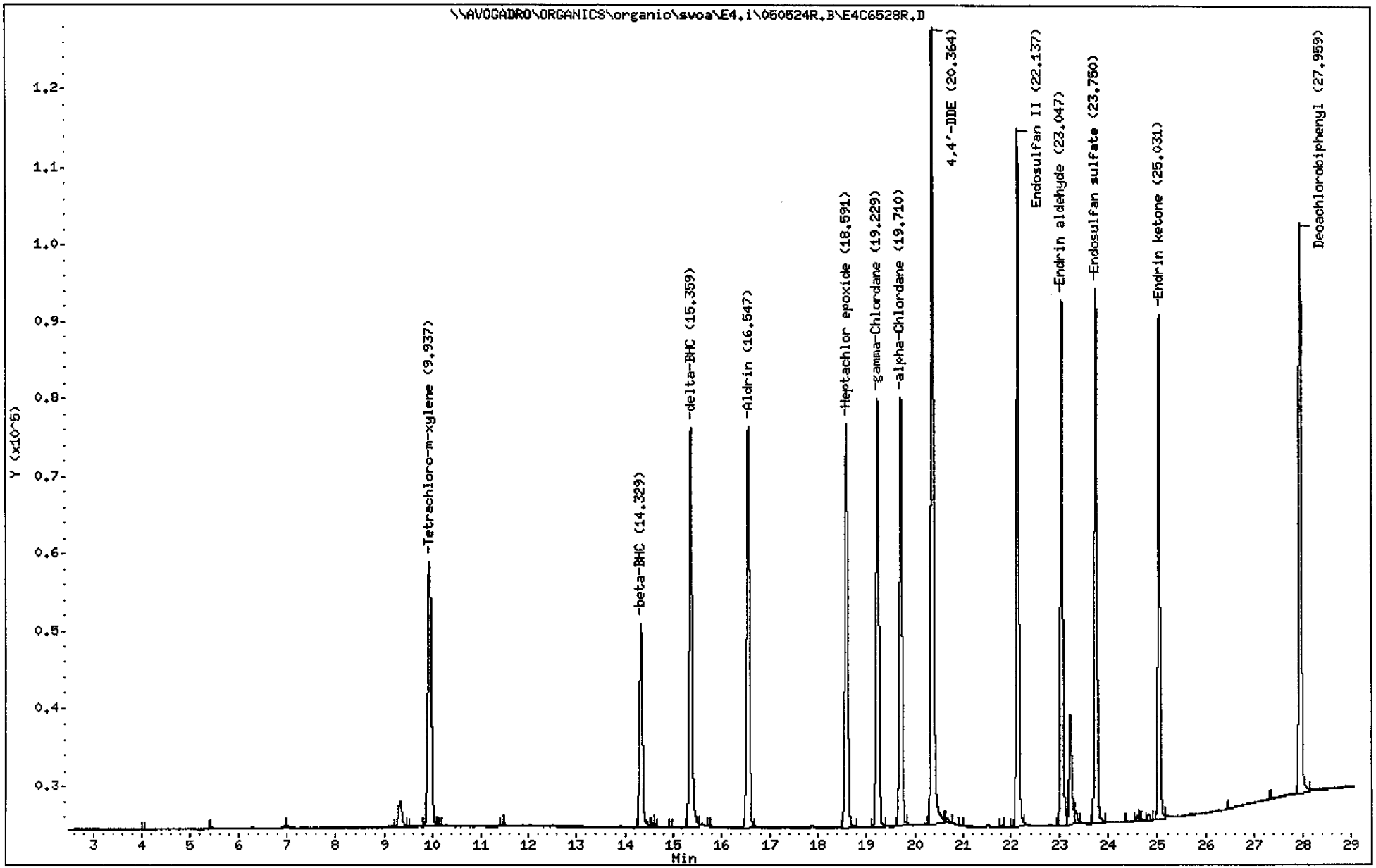
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6528F.D
Date : 26-MAY-2005 13:48
Client ID: INDBMCH
Instrument: E4.i
Sample Info: INDBMCH,INDBMCH,,indb.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0418

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6528R.D
Date : 26-MAY-2005 13:48
Client ID: INDBMCH
Instrument: E4.i
Sample Info: INDBMCH,INDBMCH,,indb,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0419

Data File: E4C6528F.D
Report Date: 27-May-2005 15:00

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6528F.D
Lab Smp Id: INDBMCH Client Smp ID: INDBMCH
Inj Date : 26-MAY-2005 13:48
Operator : SRC: Inst ID: E4.i
Smp Info : INDBMCH,INDBMCH,,indb.sub,,
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
7.08	7.07	0.010	900299	0.02000	0.019			(a)
6 Aldrin						CAS #: 309-00-2		
13.1	13.1	0.000	1316043	0.02000	0.021			(a)
7 beta-BHC						CAS #: 319-85-7		
11.0	10.9	0.100	557060	0.02000	0.022			(a)
8 delta-BHC						CAS #: 319-86-8		
11.5	11.5	0.000	1156014	0.02000	0.020			(a)

5/27/05

Data File: E4C6528F.D
Report Date: 27-May-2005 15:00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
9 Heptachlor epoxide					CAS #: 1024-57-3		
15.2	15.2	0.000	1255060	0.02000	0.021		(a)
11 gamma-Chlordane					CAS #: 5103-74-2		
15.6	15.6	0.000	1317152	0.02000	0.021		(a)
12 alpha-Chlordane					CAS #: 5103-71-9		
16.1	16.1	0.000	1209191	0.02000	0.021		(a)
13 4,4'-DDE					CAS #: 72-55-9		
16.6	16.6	0.000	2380104	0.04000	0.041		(a)
17 Endosulfan II					CAS #: 33213-65-9		
18.7	18.7	0.000	2128229	0.04000	0.041		(a)
19 Endrin aldehyde					CAS #: 7421-93-4		
20.0	20.0	0.000	1537420	0.04000	0.040		(a)
20 Endosulfan sulfate					CAS #: 1031-07-8		
21.2	21.2	0.000	1602536	0.04000	0.044		(a)
22 Endrin ketone					CAS #: 53494-70-5		
21.9	21.9	0.000	1503299	0.04000	0.042		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	1752213	0.04000	0.038		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6528R.D
Report Date: 27-May-2005 14:59

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6528R.D
Lab Smp Id: INDBMCH Client Smp ID: INDBMCH
Inj Date : 26-MAY-2005 13:48
Operator : SRC: Inst ID: E4.i
Smp Info : INDBMCH,INDBMCH,,indb.sub,,
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	170240	0.02000	0.019		(a)
6 Aldrin					CAS #: 309-00-2		
16.5	16.5	0.000	206969	0.02000	0.021		(a)
7 beta-BHC					CAS #: 319-85-7		
14.3	14.3	0.000	106635	0.02000	0.020		(a)
8 delta-BHC					CAS #: 319-86-8		
15.4	15.4	0.000	201474	0.02000	0.020		(a)

5/12/05

Data File: E4C6528R.D
Report Date: 27-May-2005 14:59

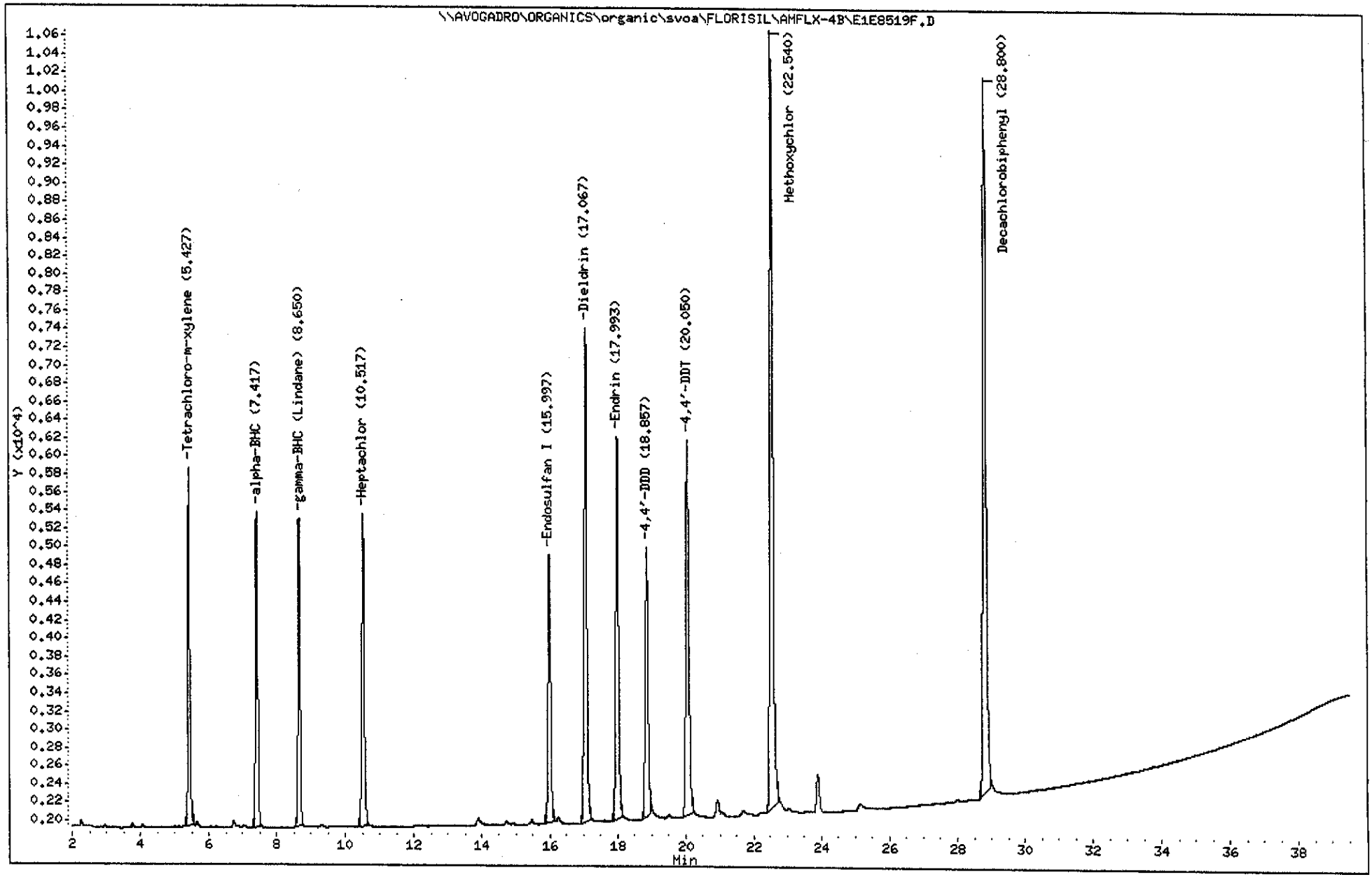
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
9 Heptachlor epoxide					CAS #: 1024-57-3		
18.6	18.6	0.000	209125	0.02000	0.021		(a)
11 gamma-Chlordane					CAS #: 5103-74-2		
19.2	19.2	0.000	213361	0.02000	0.021		(a)
12 alpha-Chlordane					CAS #: 5103-71-9		
19.7	19.7	0.000	204677	0.02000	0.021		(a)
13 4,4'-DDE					CAS #: 72-55-9		
20.4	20.4	0.000	376644	0.04000	0.043		(a)
17 Endosulfan II					CAS #: 33213-65-9		
22.1	22.1	0.000	305326	0.04000	0.042		(a)
19 Endrin aldehyde					CAS #: 7421-93-4		
23.0	23.0	0.000	221683	0.04000	0.041		(a)
20 Endosulfan sulfate					CAS #: 1031-07-8		
23.8	23.7	0.100	219459	0.04000	0.050		(a)
22 Endrin ketone					CAS #: 53494-70-5		
25.0	25.0	0.000	198457	0.04000	0.048		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	254538	0.04000	0.038		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8519F.D
Date : 05-JAN-2005 14:37
Client ID: AMFLX-4B
Sample Info: AMFLX-4B,,,,,
Volume Injected (uL): 1.0
Column phase: CLPestII

Instrument: E4.i
Operator: GML
Column diameter: 0.53



0424

Data File: E1E8519F.D
Report Date: 10-Jan-2005 16:34

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8519F.D
Lab Smp Id: AMFLX-4B Client Smp ID: AMFLX-4B
Inj Date : 05-JAN-2005 14:37
Operator : GML Inst ID: E4.i
Smp Info : AMFLX-4B,,,,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\CLPFLO-F.m
Meth Date : 05-Jan-2005 18:10 mtl Quant Type: ESTD
Cal Date : 05-JAN-2005 13:34 Cal File: E1E8518F.D
Als bottle: 4 QC Sample: FLORISIL
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: florisil.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.43	5.41	0.020	14633	0.00996	0.0100		
3 alpha-BHC						CAS #: 319-84-6	
7.42	7.40	0.020	13414	0.00874	0.0087		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
8.65	8.63	0.020	13892	0.00897	0.0090		
5 Heptachlor						CAS #: 76-44-8	
10.5	10.5	0.000	16292	0.00963	0.0096		

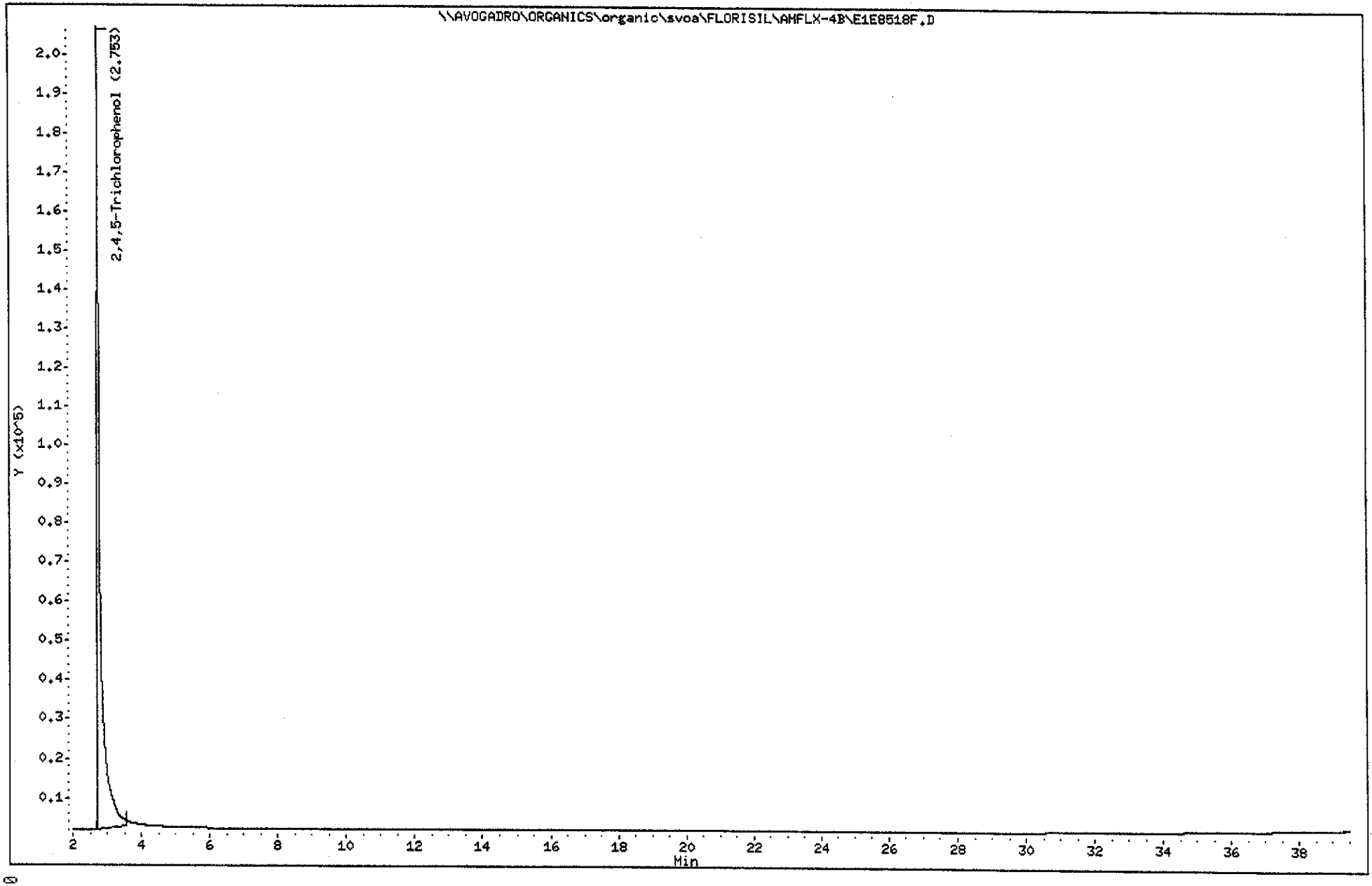
Data File: E1E8519F.D
Report Date: 10-Jan-2005 16:34

				CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
RT	EXP RT	DLT RT	RESPONSE				
10 Endosulfan I						CAS #: 959-98-8	
16.0	16.0	0.000	15813	0.00986	0.0099		
14 Dieldrin						CAS #: 60-57-1	
17.1	17.1	0.000	28471	0.01864	0.019		
15 Endrin						CAS #: 72-20-8	
18.0	18.0	0.000	22886	0.01945	0.019		
16 4,4'-DDD						CAS #: 72-54-8	
18.9	18.8	0.100	16716	0.01892	0.019		
18 4,4'-DDT						CAS #: 50-29-3	
20.1	20.0	0.100	22998	0.01858	0.019		
21 Methoxychlor						CAS #: 72-43-5	
22.5	22.5	0.000	49775	0.10278	0.10		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.8	28.8	0.000	48951	0.02165	0.022		

SZ 01/10/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8518F.D
Date : 05-JAN-2005 13:34
Client ID: 4
Sample Info: 2,4,5-TCP,,,,,
Volume Injected (uL): 1.0
Column phase: CLPestII

Instrument: E4.i
Operator: GML
Column diameter: 0.53



0427

Data File: E1E8518F.D
Report Date: 10-Jan-2005 16:34

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8518F.D
Lab Smp Id: 2 Client Smp ID: 4
Inj Date : 05-JAN-2005 13:34
Operator : GML Inst ID: E4.i
Smp Info : 2,4,5-TCP,,,,,
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\CLPFLO-F.m
Meth Date : 05-Jan-2005 18:10 mtl Quant Type: ESTD
Cal Date : 05-JAN-2005 13:34 Cal File: E1E8518F.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 245TCP.sub
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

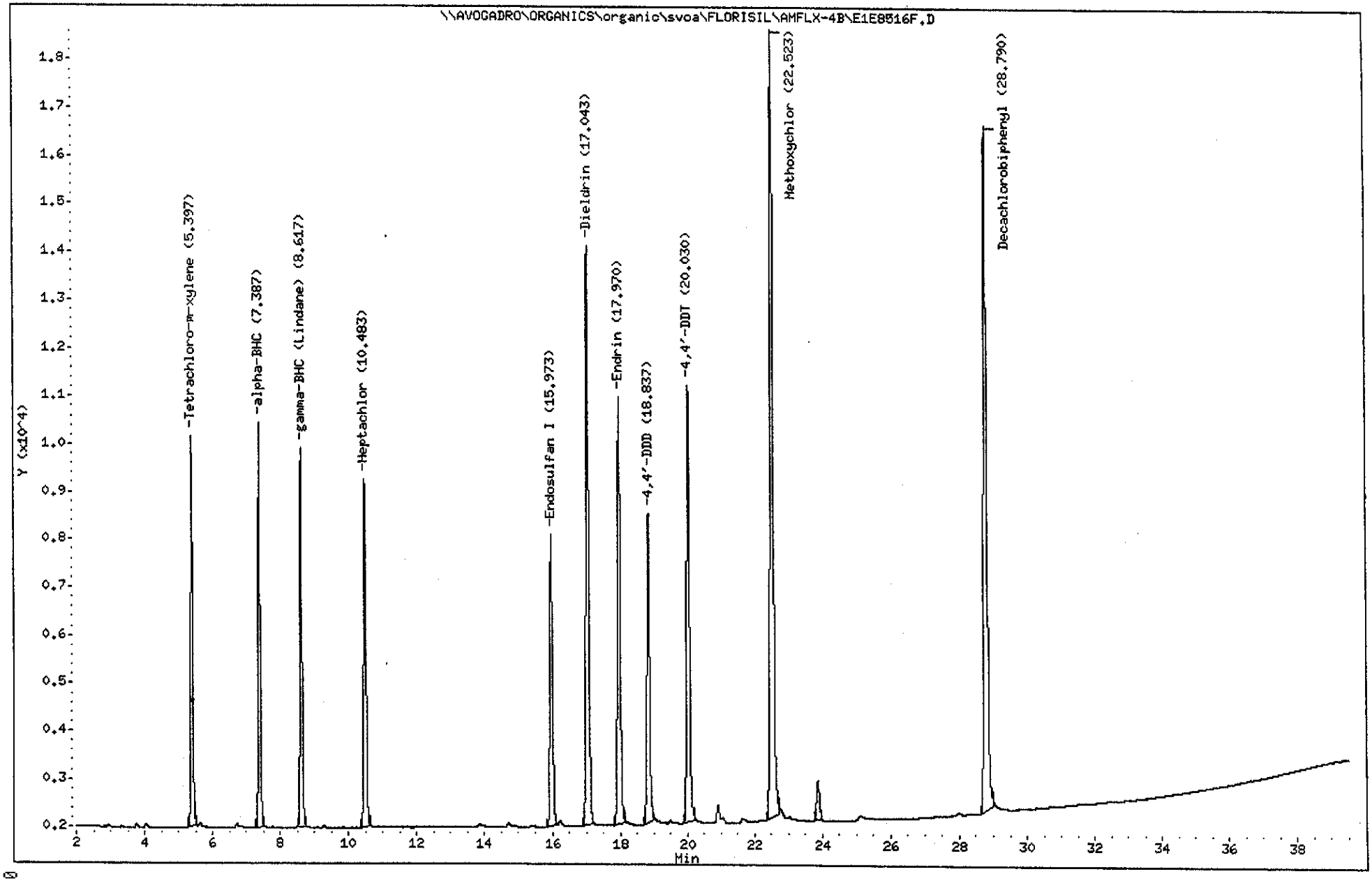
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
32 2,4,5-Trichlorophenol					CAS #:		
2.75	2.76	-0.010	1202629	0.10000	0.10		

SZ 01/10/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8516F.D
Date : 05-JAN-2005 12:09
Client ID: INDABH
Sample Info: INDABH,INDABH,,inda.sub
Volume Injected (uL): 1.0
Column phase: CLPestII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0429

Data File: E1E8516F.D
Report Date: 10-Jan-2005 16:34

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8516F.D
Lab Smp Id: INDABH Client Smp ID: INDABH
Inj Date : 05-JAN-2005 12:09
Operator : SRC: Inst ID: E4.i
Smp Info : INDABH,INDABH,,inda.sub
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\CLPFLO-F.m
Meth Date : 05-Jan-2005 18:10 mtl Quant Type: ESTD
Cal Date : 05-JAN-2005 13:34 Cal File: E1E8518F.D
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1	Tetrachloro-m-xylene					CAS #: 877-09-8		
	5.40	5.41	-0.010	29385	0.02000	0.020		(a)
3	alpha-BHC					CAS #: 319-84-6		
	7.39	7.40	-0.010	30713	0.02000	0.020		(a)
4	gamma-BHC (Lindane)					CAS #: 58-89-9		
	8.62	8.63	-0.010	30981	0.02000	0.020		(a)
5	Heptachlor					CAS #: 76-44-8		
	10.5	10.5	0.000	33832	0.02000	0.020		(a)
10	Endosulfan I					CAS #: 959-98-8		
	16.0	16.0	0.000	32091	0.02000	0.020		(a)

Data File: E1E8516F.D
Report Date: 10-Jan-2005 16:34

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
14 Dieldrin						CAS #: 60-57-1		
17.0	17.1	-0.100	61091	0.04000	0.040			(a)
15 Endrin						CAS #: 72-20-8		
18.0	18.0	0.000	47077	0.04000	0.040			(a)
16 4,4'-DDD						CAS #: 72-54-8		
18.8	18.8	0.000	35337	0.04000	0.040			(a)
18 4,4'-DDT						CAS #: 50-29-3		
20.0	20.0	0.000	49520	0.04000	0.040			(a)
21 Methoxychlor						CAS #: 72-43-5		
22.5	22.5	0.000	96860	0.20000	0.20			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
28.8	28.8	0.000	90434	0.04000	0.040			(a)

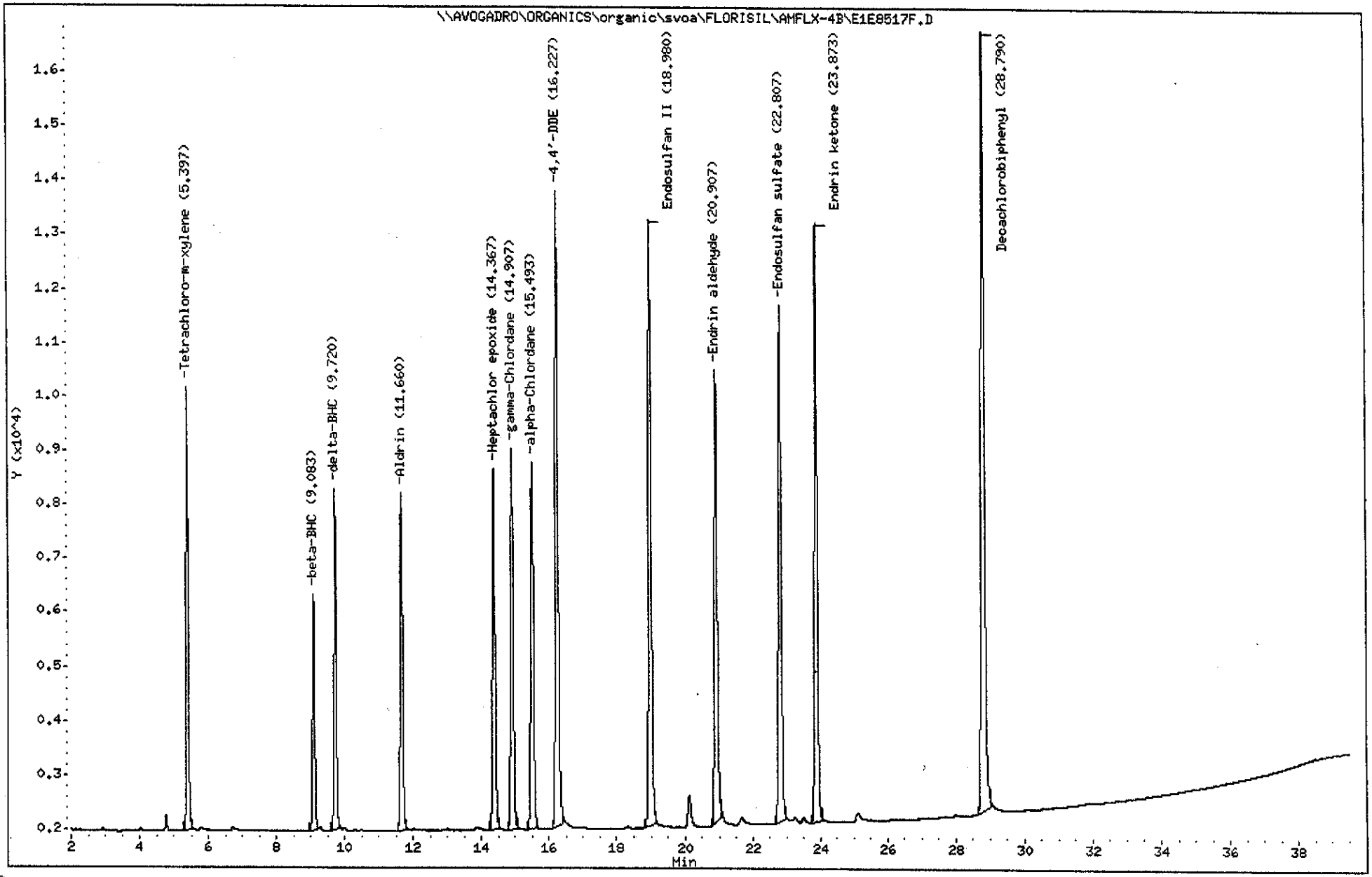
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SZ 01/10/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8517F.D
Date : 05-JAN-2005 12:52
Client ID: INDBBH
Sample Info: INDBBH,INDBBH,,indb.sub
Volume Injected (uL): 1.0
Column phase: CLPestII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



Data File: E1E8517F.D
Report Date: 10-Jan-2005 16:34

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8517F.D
Lab Smp Id: INDBBH Client Smp ID: INDBBH
Inj Date : 05-JAN-2005 12:52
Operator : SRC: Inst ID: E4.i
Smp Info : INDBBH,INDBBH,,indb.sub
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\CLPFLO-F.m
Meth Date : 05-Jan-2005 18:10 mtl Quant Type: ESTD
Cal Date : 05-JAN-2005 13:34 Cal File: E1E8518F.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$	1 Tetrachloro-m-xylene					CAS #: 877-09-8		
	5.40	5.41	-0.010	29663	0.02000	0.020		(a)
	6 Aldrin					CAS #: 309-00-2		
	11.7	11.7	0.000	29653	0.02000	0.020		(a)
	7 beta-BHC					CAS #: 319-85-7		
	9.08	9.08	0.000	18994	0.02000	0.020		(a)
	8 delta-BHC					CAS #: 319-86-8		
	9.72	9.72	0.000	26091	0.02000	0.020		(a)
	9 Heptachlor epoxide					CAS #: 1024-57-3		
	14.4	14.4	0.000	33866	0.02000	0.020		(a)

Data File: E1E8517F.D
Report Date: 10-Jan-2005 16:34

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
11 gamma-Chlordane						CAS #: 5103-74-2		
14.9	14.9	0.000	36868	0.02000	0.020			(a)
12 alpha-Chlordane						CAS #: 5103-71-9		
15.5	15.5	0.000	35259	0.02000	0.020			(a)
13 4,4'-DDE						CAS #: 72-55-9		
16.2	16.2	0.000	63244	0.04000	0.040			(a)
17 Endosulfan II						CAS #: 33213-65-9		
19.0	19.0	0.000	60845	0.04000	0.040			(a)
19 Endrin aldehyde						CAS #: 7421-93-4		
20.9	20.9	0.000	47079	0.04000	0.040			(a)
20 Endosulfan sulfate						CAS #: 1031-07-8		
22.8	22.8	0.000	52998	0.04000	0.040			(a)
22 Endrin ketone						CAS #: 53494-70-5		
23.9	23.9	0.000	59703	0.04000	0.040			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
28.8	28.8	0.000	91681	0.04000	0.041			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

S2 01/10/05

MITKEM CORPORATION: ORGANIC PREP - CLP Pesticides/PCB

Date	Analysis	Method & SOP #	AQ: 3510C(SepF) 3520C(Liq/Liq) Other:	Sample Matrix	Project(s)
5-13-05	OLM PP		Soil: 3540C(Soxhlet) (3550B(Sonic)	Aqueous (Soil) Other:	NO523, NO529

Blank ID	LCS ID	Analyst:	Spiker:	Witness:	Solvent Lot #	Acid Lot #	Time Started:	GPC Batch #	Florisil Lot #
18108	18108	SK	TB	SK	BC5231 1:1		07:30 Time Ended: 1500	050519GPC1	

Lab ID	Sample ID	Wt/Vol Extracted	Surrogate Added	Matrix Spike Added	pH	KD prior to GPC Date/Analyst	Vol. pre GPC	GPC Date/Analyst	KD after GPC Date/Analyst	Vol. pre Florisil	Florisil Date/Analyst	Final Vol.	Date Ext.
MB-18108		30.0	opw050419A 2ml	—	—	5-20-05 SK	10ml	5-21-05 TB	5-25-05 KG	2.5ml	5-25-05 KG	1ml	5-25-05
LCS-18108		30.0		opw050225B 1ml									
NO523	01A	30.0		—									
NO529	01A	30.0		—									
NO529	01AMS	30.0		opw050225B 1ml									
NO529	01AMSD	30.0	opw050419A 2ml	opw050225B 1ml	—	5-20-05 SK	10ml	5-21-05 TB	5-25-05 KG	2.5ml	5-25-05 KG	1ml	5-25-05

SK 5-13-05

Comments: _____ Sonicator Tuned? (Yes) No

Water Bath Temp 95°C

Sodium Sulfate Lot #: OWR050513B

Logbook ID 50.0188-09/04

Reviewed By: KC 5/27/05

Page #: 0057

Percent Moisture and Percent Solids Report

Mitkem Sample ID	*Client Sample ID*	*Analyzed*	*Percent Moisture*	*Percent Solids*	*Validated*
D0523-01A	*B-1 (9.0')*	05/17/2005	10	90	Yes
D0523-02A	*B-4 (4.0')*	05/24/2005	18	82	Yes
D0523-03A	*B-6 (5.0')*	05/24/2005	22	78	Yes
D0523-04A	*B-7 (14.0')*	05/24/2005	14	86	Yes

MITKEM CORPORATION **pH Determination Logbook**

pH Meter:

Date	Sample ID		pH Reading	Buffer IDs	Comments	Analyst
5/26/05	ph 4.0		4.00	IWP040723L	after calibration	SW
	ph 10.0		10.00	IWP040723D		
	ph 7.0		6.97	IWP050227D	100%	
	DO523	01A	8.03			
	DO529	01A	8.40		RPD = 0.27	
	DO529	01ADup	8.42			
5/26/05	ph 7.0		7.00	IWP050227D 100%		SW

SW 5/26/05

pH LCS (Buffer 7.00) Acceptance Criteria:
±0.05 S.U.
Frequency: at least every 20 samples

Calibration Check Criteria:
pH Buffer: 4.00±0.05 S.U.
10.00±0.05 S.U.
7.00±0.05 S.U.

Logbook ID: 30.0210-03/05

Reviewed by KL 5/27/05

Page #: 0004

Level 1 QA Review SW 5/26/05

Data Entry to LIMS

Level 2 QA Review

0437

MITREM CORPORATION: INSTRUMENT GPC 1 LOGBOOK

COLUMN ID: S-X3-A11 | DATE CALIBRATED: 5-19-5 | INJECTION VOLUME: 5ml

Date	Position #	Project ID	Sample ID	Analysis	Analyst	Comments
5-19-05	1	050519	UV1	GPC CAL	JS	
↓	2	↓	SB1	GPC CHECK	↓	
↓	3	↓	PB1	↓	↓	
↓	4	↓	PMS1	↓	↓	
5-19-5	5	050519	AROC1	GPC CHECK	JS	
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					

JS 5/19/5

Logbook ID 50.0187-11/04

Flow Rate: 5.09 ml/min

Acceptance Criteria: Corn oil & phthalate peaks > 85.0% resolution
Phthalate & methoxyclor peaks > 85.0% resolution
Methoxychlor & perylene peaks > 85.0% resolution
Perylene & sulfur peaks: No saturation & > 90.0% baseline resolution

Reviewed by KC 5/27/05

Page #: 040

MITKEM CORPORATION: INSTRUMENT GPC 1 LOGBOOK

COLUMN ID: 5x3 A11 | DATE CALIBRATED: 5/9/05 | INJECTION VOLUME: 5 ml

Date	Position #	Project ID	Sample ID	Analysis	Analyst	Comments
5/21/05	1	MB 18108		ocm pest	TS	
	2	LCS 18108				
	3	D0523	01A			
	4	D0529	01A			
	5		MS 01A			
5/21/05	6	D0529	MSD 01A	ocm pest	TB	
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15			5.21.05 TB		
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					

Logbook ID 50.0187-11/04

Flow Rate: 5.09 ml/min

Acceptance Criteria: Corn oil & phthalate peaks > 85.0% resolution
Phthalate & methoxyclor peaks > 85.0% resolution
Methoxychlor & perylene peaks > 85.0% resolution
Perylene & sulfur peaks: No saturation & > 90.0% baseline resolution

Reviewed by KL 5/27/05

Page #: 044

MITKEM CORPORATION - PEST/PCB RUN LOGBOOK: INSTRUMENT E4

Sequence: E4 05 0504 | Method: SOM3X | ICAL Date: 05/04/05

Date	Sample ID		Client ID	File Name	Dilution	F	R	Comments	Analyst
05/04/05	Prime			E4C6428-30					SZ
	Resc	C1	Resc C1		31		X	X	PW 041129 A	
	PEM	C1	PEM C1		32		Vx	✓x	PW 050504 F	
	AR1660	C1	AR1660C1		33				PW 050117 A	
	AR1221		AR1221C1		34				PW 050309 B	
	AR1232		1232		35				PW 050309 C	
	AR1242		1242		36				PW 050309 D	
	AR1248		1248		37				PW 050309 E	
	AR1254		AR1254		38				PW 050221 B	
	Toxaph	C1	Toxaph C1		39				PW 050504 A	
	INDAL		INDAL		40				PW 041116 J	
	INDBL		INDBL		41				PW 050110 E	
	INDAM		INDAM		42		+	X	PW 050301 B	
05/05/05	INDBM		INDBM		43		+	X	PW 050110 C	
05/05/05	INDAH		INDAH		44				PW 041116 F	
	INDBH		INDBH		45				PW 050110 A	
	PBZLL	C2	PBZLLC2		46				PW 050504 E 1:11	
	PEM	C2	PEM C2		47		Vx	✓x	PW 050504 F	
	MB-17870		PBZLL2A		48		✓		PW SZ 050504	
	LCS-17870		P4AICS		49		✓			
	DO480-01	C	SW-RD1		50		✓			
	↓ -02	C	SW-RD2		51		✓			
	DO480-03	C	SW-RD3		52		✓			
	DO485-02	B	D14005		53		✓			
			02BMS	D14005MS	54		✓			
			02BMSD	D14005MSD	55		✓		∫ MC 1/2 peak (MS)	
	↓	03B	D14006	↓	56		✓			
05/05/05	DO485	04B	D14004	E4C64	57		✓			SZ

Standard ID's

Comments

Reviewed by SZ 05/16/05

MITKEM CORPORATION - PEST/PCB RUN LOGBOOK: INSTRUMENT E4

Sequence: E4050524 | Method: SOM3X | ICAL Date: 05/04/05

Date	Sample ID		Client ID	File Name		Dilution	F	R	Comments	Analyst
5/25/05	PRIME			E4C64	99					SZ
	PBLK	CE	PBLKCE	E4C65	00			✓		
	PEM	CE	PEMCE		01		✓	✓		
	MB-18108				02					
	LCS-18108				03					
	D0523-01A				04					
	D0529-01A				05					
	↓ -01AMS				06					
	D0529-01AMSD				07					
	PBLK				08					
	MB-18090				09					
5/25/05	LCS-18090				10					
5/26/05	LCSD-18090				11					
	D0529-03B				12					
	PBLK	CF			13					
	PBLK	CF			14					
	INDAM	CF			15					
	INDBM	CF			16			↑	confirmed	
	GPC0504-PB1				17					
		DMSO			18					
	GPC0504-REC				19					
	PBLK	CG	PBLKCG		20			✓	5:26	
	PEM	CG	PEMCG		21		✓	✓		
	MB-18108		PBLK4E		22			✓		
	LCS-18108		P4ELCS		23			✓		
	D0523-01A		B-190		24			✓		
↓	PBLK	CH	PBLKCH	↓	25			✓	11:16	↓
5/26/05	INDAM	CH	INDAMCH	E4C65	26		✓	✓		SZ

Standard ID's

PEM	PW050525A
AM	PW050510D
BM	PW050110C

Comments

Reviewed by KL 5/27/05

Logbook ID 60.0196-12/04

Page # 037

MITKEM CORPORATION - PEST/PCB RUN LOGBOOK: INSTRUMENT E4

Sequence: E405024 | Method: SOM3X | ICAL Date: 05/04/05

Date	Sample ID	Client ID	File Name		Dilution	F	R	Comments	Analyst
5/26/05	IND BM CH		E4C65	27		—	—	do not use	SZ
	IND BM CH	IND BM CH		28		✓	✓		
	GPC 0519 - DMSI			29		✓		Methoxy & DL ox	
	↓ - PBI			30		✓			
	GPC 0519 AROCI			31		✓			
	MB-18090	BLK4F		32			✓	carry over? MB Reanalyzed	
	LCS-18090	P4F LCS		33			✓		
	LCSD-18090	P4F LCSD		34			✓		
	D0529-03B	BINSAMP2		35			✓		
	↓ - 01B	B-390		36			✓		
	↓ - 01BMS	B-390MS		37			✓		
	D0529-01BMSD	B-390MSD		38			✓		
	PIBLK			39					
	PIBLK CJ	PIBLK CI		40			✓		
	PEM CJ	PEM CI		41		✓	✓		
	PEM CJ			42					
	MB-18254			43					
✓	LCS-18254			44					
5/27/05	D0583-01B			45				↓ BLC need LOX Dichlorin Reanalysis	
	↓ - 01BMS			46					
	↓ - 01BMSD			47					
	D0583-03B			48					
	PIBLK CJ			49					
	PIBLK CJ			50					
✓	IND A CJ		✓	51					✓
5/27/05	IND B CJ		E4C65	52			↑	EK, ES ↑ Rea	SZ
					SZ	05/27/05			

Standard ID's

PEM MW 050525A
ATM MW 050510D
BM MW 050110C

Comments

Reviewed by KL 5/27/05

Logbook ID 60.0196-12/04 Page # 038

0442

Sample Receiving Logbook

Workorder No. D0523

Client Name: Day

Date Recv'd 5/5/05 **Sample #s** 01-04 **Storage Locations:** VAA

Date Recv'd 5/5/05 **Sample #s** 01 **Storage Locations:** B3

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

OUT				IN			
Relinquished By		**Received By**		**Relinquished By**		**Received By**	
Date: 5-13-05	Init: TS	Date: 5-13-05	Init: SH	Date: 5-13-05	Init: SH	Date: 5-13-05	Init: TS
Samp. #s	01			01			
Date: 5/18/05	Init: KB	Date: 5/18/05	Init: SW	Date: 5/18/05	Init: KB	Date: 5/18/05	Init: SW
Samp. #s	01			01			
Date: 5/26/05	Init: KB	Date: 5/26/05	Init: SW	Date: 5/26/05	Init: SW	Date: 5/26/05	Init: KB
Samp. #s	1			1			
Date:	Init:	Date:	Init:	Date:	Init:	Date:	Init:
Samp. #s							
Date:	Init:	Date:	Init:	Date:	Init:	Date:	Init:
Samp. #s							
Date:	Init:	Date:	Init:	Date:	Init:	Date:	Init:
Samp. #s							
Date:	Init:	Date:	Init:	Date:	Init:	Date:	Init:
Samp. #s							
Date:	Init:	Date:	Init:	Date:	Init:	Date:	Init:
Samp. #s							

Comments: _____

Please record analyst's initials, date, and sample #s removed. Add any comments if necessary (broken bottles, empty jars, etc.)

Logbook ID: 30.0287-04/05 **Reviewed:** KL 5/27/05

MITKEM CORPORATION EXTRACTS TRANSFER LOGBOOK: PESTICIDES/PCB ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred by	Received by	Storage Location	Comments
5.27.05	MB 18108		TS	M	R4	Transferred 5.25.05
	CCS 18108					
	D0523	01A				
	D0529	01A				
	↓	MS 01A	↓	↓	↓	↓
5.27.05	D0529	01A MSD	TS	M	R4	transferred 5.25.05

Logbook ID: 60.0132-10/04 Reviewed by KC 5/27/05 Page #: 085

MITKEM CORPORATION

* Metals/Cyanide *

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

SOW No.: ILM04.1

EPA Sample No.	Lab Sample ID.
B-190	D0523-01

Were ICP interelement corrections applied?	Yes/No	YES
Were ICP background corrections applied?	Yes/No	YES
If yes-were raw data generated before application of background corrections?	Yes/No	NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature

Signature: Name:

Date: 5/24/05 Title:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

B-190

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Matrix (soil/water): SOIL Lab Sample ID: D0523-01

Level (low/med): MED Date Received: 05/05/05

% Solids: 90.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9940			P
7440-36-0	Antimony	0.30	U		P
7440-38-2	Arsenic	11.4			P
7440-39-3	Barium	137			P
7440-41-7	Beryllium	0.47	B		P
7440-43-9	Cadmium	0.31	B		P
7440-70-2	Calcium	15300			P
7440-47-3	Chromium	14.3			P
7440-48-4	Cobalt	10.2			P
7440-50-8	Copper	20.5			P
7439-89-6	Iron	22000			P
7439-92-1	Lead	27.1			P
7439-95-4	Magnesium	6890			P
7439-96-5	Manganese	446			P
7440-02-0	Nickel	22.2			P
7440-09-7	Potassium	1120			P
7782-49-2	Selenium	0.45	U		P
7440-22-4	Silver	0.10	U		P
7440-23-5	Sodium	78.6	B		P
7440-28-0	Thallium	0.30	U		P
7440-62-2	Vanadium	13.1			P
7440-66-6	Zinc	64.2			P
7439-97-6	Mercury	0.056	U		CV
	Cyanide	0.089	U		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Mercury	2.0	2.03	101.7	5.0	4.68	93.6	4.62	92.5	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Mercury				5.0	4.69	93.8			CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Cyanide	250.0	271.48	108.6	200.0	223.03	111.5	224.54	112.3	CA

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)		M
Cyanide				200.0	224.51	112.3	219.68	109.8		CA

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Cyanide				200.0	218.14	109.1	216.21	108.1	CA

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	15000.0	14993.37	100.0	10000.0	9922.37	99.2	9631.33	96.3	P
Arsenic	750.0	777.20	103.6	500.0	516.94	103.4	504.56	100.9	P
Barium	15000.0	15635.85	104.2	10000.0	10710.92	107.1	10417.48	104.2	P
Beryllium	375.0	382.09	101.9	250.0	258.57	103.4	252.34	100.9	P
Cadmium	375.0	380.51	101.5	250.0	256.22	102.5	249.26	99.7	P
Calcium	37500.0	38444.02	102.5	25000.0	25461.33	101.8	24632.78	98.5	P
Chromium	1500.0	1524.15	101.6	1000.0	1022.03	102.2	994.78	99.5	P
Cobalt	3750.0	3827.33	102.1	2500.0	2571.24	102.8	2521.80	100.9	P
Copper	1875.0	1902.17	101.4	1250.0	1285.31	102.8	1238.09	99.0	P
Iron	7500.0	7504.13	100.1	5000.0	5069.60	101.4	4914.94	98.3	P
Lead	750.0	769.18	102.6	500.0	519.95	104.0	502.18	100.4	P
Magnesium	37500.0	38243.93	102.0	25000.0	25904.43	103.6	25166.95	100.7	P
Manganese	3750.0	3835.00	102.3	2500.0	2568.21	102.7	2519.83	100.8	P
Nickel	3750.0	3809.40	101.6	2500.0	2553.44	102.1	2519.00	100.8	P
Selenium	750.0	767.09	102.3	500.0	510.96	102.2	497.06	99.4	P
Silver	1875.0	2045.67	109.1	1250.0	1260.05	100.8	1211.10	96.9	P
Thallium	750.0	766.96	102.3	500.0	520.05	104.0	503.31	100.7	P
Vanadium	3750.0	3833.70	102.2	2500.0	2582.68	103.3	2513.14	100.5	P
Zinc	3750.0	3829.77	102.1	2500.0	2628.60	105.1	2541.61	101.7	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	9958.80	99.6			P
Arsenic				500.0	518.65	103.7			P
Barium				10000.0	10648.90	106.5			P
Beryllium				250.0	258.17	103.3			P
Cadmium				250.0	255.52	102.2			P
Calcium				25000.0	25476.25	101.9			P
Chromium				1000.0	1019.22	101.9			P
Cobalt				2500.0	2581.87	103.3			P
Copper				1250.0	1286.65	102.9			P
Iron				5000.0	5084.61	101.7			P
Lead				500.0	512.80	102.6			P
Magnesium				25000.0	25985.58	103.9			P
Manganese				2500.0	2585.44	103.4			P
Nickel				2500.0	2587.27	103.5			P
Selenium				500.0	514.50	102.9			P
Silver				1250.0	1219.64	97.6			P
Thallium				500.0	512.19	102.4			P
Vanadium				2500.0	2573.77	103.0			P
Zinc				2500.0	2617.86	104.7			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Sodium	37500.0	38842.74	103.6	25000.0	25561.64	102.2	26118.98	104.5	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)		M
Sodium				25000.0	26022.34	104.1				P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Potassium	37500.0	37091.37	98.9	25000.0	24988.40	100.0	25157.60	100.6	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Potassium				25000.0	25303.30	101.2			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony	750.0	771.73	102.9	500.0	520.84	104.2	529.66	105.9	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony				500.0	535.97	107.2			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Mercury	0.2	0.21	107.4					

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				20.0	21.55	107.7	20.17	100.8
Beryllium				10.0	10.18	101.8	10.05	100.5
Cadmium				10.0	10.61	106.1	10.55	105.5
Chromium				20.0	21.02	105.1	20.39	101.9
Cobalt				100.0	106.24	106.2	106.32	106.3
Copper				50.0	55.25	110.5	51.07	102.1
Lead				6.0	7.16	119.3	6.27	104.4
Manganese				30.0	31.62	105.4	32.63	108.8
Nickel				80.0	86.50	108.1	86.56	108.2
Selenium				10.0	11.53	115.3	11.73	117.3
Silver				20.0	33.02	165.1	21.73	108.7
Thallium				20.0	21.59	107.9	20.81	104.1
Vanadium				100.0	104.24	104.2	102.40	102.4
Zinc				40.0	55.24	138.1	53.17	132.9

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Antimony				120.0	126.78	105.7	130.42	108.7

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.050	U	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Cyanide	-2.1	B	-2.1	B	-6.1	B	2.0	U	-0.113	B	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Cyanide			-2.3	B	-2.1	B	-2.7	B			CA

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	18.0	U	22.3	B	18.0	U	31.6	B	3.600	U	
Arsenic	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	
Barium	0.7	B	1.5	B	1.2	B	1.2	B	0.217	B	
Beryllium	0.2	U	0.2	U	0.2	U	0.2	U	0.040	U	
Cadmium	0.2	U	0.2	U	0.2	U	0.2	U	0.040	U	
Calcium	50.0	U	51.8	B	50.0	U	50.0	U	21.140	B	
Chromium	0.5	U	0.5	B	0.5	U	0.5	U	0.100	U	
Cobalt	0.4	B	0.7	B	0.4	B	0.6	B	0.080	U	
Copper	3.8	B	5.3	B	3.5	B	4.9	B	0.936	B	
Iron	4.0	U	8.7	B	10.3	B	9.5	B	5.228	B	
Lead	0.9	U	0.9	U	0.9	U	0.9	U	0.180	U	
Magnesium	9.0	U	97.8	B	9.0	U	81.2	B	1.800	U	
Manganese	0.4	U	0.4	U	0.4	U	0.4	U	0.182	B	
Nickel	0.7	U	0.8	B	0.7	U	0.8	B	0.140	U	
Selenium	3.0	U	3.0	U	3.0	U	3.0	U	0.600	U	
Silver	6.7	B	2.4	B	0.7	U	0.7	B	0.182	B	
Thallium	2.0	U	2.0	U	2.4	B	2.0	U	0.400	U	
Vanadium	0.4	U	0.4	U	0.4	U	0.4	U	0.080	U	
Zinc	5.1	B	6.3	B	7.7	B	5.8	B	3.893	B	

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Sodium	32.0	U	39.5	B	32.0	U	32.0	U	6.574	B	

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Potassium	55.0	U	55.0	U	55.0	U	55.0	U	11.000	U	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Antimony	11.5	B	2.4	B	5.7	B	3.5	B	1.202	B	

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

ICP ID Number: OPTIMA2 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	471600	470942.5	94.2	471034	470947.5	94.2
Arsenic	0	100	4	96.8	96.8	2	95.2	95.2
Barium	0	500	-4	485.5	97.1	-4	470.7	94.1
Beryllium	0	500	0	461.3	92.3	0	457.5	91.5
Cadmium	0	1000	4	880.2	88.0	4	861.4	86.1
Calcium	500000	500000	478280	486350.2	97.3	476556	475759.1	95.2
Chromium	0	500	1	461.4	92.3	1	450.4	90.1
Cobalt	0	500	-1	443.4	88.7	-1	443.4	88.7
Copper	0	500	-3	473.5	94.7	-4	462.2	92.4
Iron	200000	200000	169478	169575.8	84.8	168716	168861.3	84.4
Lead	0	50	1	42.9	85.8	-1	41.6	83.2
Magnesium	500000	500000	456850	457285.5	91.5	457136	457661.7	91.5
Manganese	0	500	11	480.1	96.0	12	475.3	95.1
Nickel	0	1000	-11	863.8	86.4	-11	856.1	85.6
Selenium	0	50	-1	44.6	89.2	-2	47.8	95.6
Silver	0	200	6	204.5	102.2	3	201.1	100.6
Thallium	0	100	1	88.3	88.3	1	86.3	86.3
Vanadium	0	500	0	472.6	94.5	0	459.9	92.0
Zinc	0	1000	-1	867.9	86.8	-2	852.1	85.2

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Sodium	0	0	85	75.6		40	40.5	

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Potassium	0	0	106	81.0		61	62.3	

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Antimony	0	600	-4	594.0	99.0	-8	619.4	103.2

U.S. EPA - CLP

7
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Solid LCS Source:

Aqueous LCS Source:

LCS-18106

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Cyanide				88.4	76.8		35.3	141.7	86.9

7
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Solid LCS Source:

Aqueous LCS Source:

LCS-18174

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Mercury				8.4	11.2		4.3	12.5	133.3

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7
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Solid LCS Source:

Aqueous LCS Source:

LCS-18177

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				7270.0	6522.1		4210.1	10300.1	89.7
Antimony				52.5	30.9		6.0	117.0	58.9
Arsenic				111.0	111.5		88.5	133.0	100.5
Barium				195.0	212.0		160.0	230.0	108.7
Beryllium				62.5	62.3		51.3	73.7	99.7
Cadmium				110.0	112.4		89.7	130.0	102.2
Calcium				4120.0	3867.1		3260.2	4979.8	93.9
Chromium				154.0	153.4		121.0	187.0	99.6
Cobalt				63.3	65.3		51.8	74.8	103.2
Copper				107.0	106.8		88.1	126.0	99.8
Iron				11500.0	9133.2		6599.8	16400.2	79.4
Lead				158.0	165.3		127.0	189.0	104.6
Magnesium				2380.0	2410.4		1790.0	2970.0	101.3
Manganese				328.0	330.2		262.0	394.0	100.7
Nickel				160.0	165.7		130.0	190.0	103.6
Potassium				1880.0	1912.1		1340.1	2419.9	101.7
Selenium				94.4	91.3		71.3	117.0	96.7
Silver				102.0	91.7		62.5	142.0	89.9
Sodium				871.0	931.9	B	484.0	1260.0	107.0
Thallium				88.6	96.0		67.0	110.0	108.4
Vanadium				74.8	68.7		55.9	93.7	91.8
Zinc				187.0	199.7		148.0	226.0	106.8

9

ICP SERIAL DILUTIONS

B-190

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	66669.73		63914.64		4.1		P
Antimony	2.00	U	26.12	B			P
Arsenic	76.36		67.83		11.2		P
Barium	916.35		925.10	B	1.0		P
Beryllium	3.18	B	3.39	B	6.6		P
Cadmium	2.08	B	2.37	B	13.9		P
Calcium	102335.93		98624.90		3.6		P
Chromium	96.11		97.03		1.0		P
Cobalt	68.35		69.55	B	1.8		P
Copper	137.43		139.80		1.7		P
Iron	147216.22		153070.33		4.0		P
Lead	181.46		180.70		0.4		P
Magnesium	46223.79		47448.72		2.6		P
Manganese	2987.68		3014.45		0.9		P
Nickel	148.71		154.50	B	3.9		P
Potassium	7518.18		7789.77	B	3.6		P
Selenium	3.00	U	15.00	U			P
Silver	0.70	U	3.50	U			P
Sodium	527.11	B	535.75	B	1.6		P
Thallium	2.00	U	10.00	U			P
Vanadium	87.95		85.69	B	2.6		P
Zinc	430.74		456.45		6.0		P

U.S. EPA - CLP

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

ICP ID Number: Date: 04/01/05

Flame AA ID Number: FIMS1 TestCode: ILM4.1_HG_W

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (UG/L)	IDL (UG/L)	M
Mercury	253.70		0.2	0.1	CV

Comments:

U.S. EPA - CLP

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

ICP ID Number: Date: 04/01/05

Flame AA ID Number: LACHAT1 TestCode: ILM4.1_CN_W

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (UG/L)	IDL (UG/L)	M
Cyanide			10	2.0	CA

Comments:

U.S. EPA - CLP

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

ICP ID Number: OPTIMA2 Date: 04/01/05

Flame AA ID Number: TestCode: ILM4.1_ICP_W

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (UG/L)	IDL (UG/L)	M
Aluminum	308.21		200	18.0	P
Arsenic	188.98		10	2.0	P
Barium	233.53		200	0.4	P
Beryllium	313.11		5.0	0.2	P
Cadmium	226.50		5.0	0.2	P
Calcium	227.54		5000	50.0	P
Chromium	267.72		10	0.5	P
Cobalt	228.62		50	0.4	P
Copper	324.75		25	1.0	P
Iron	273.96		100	4.0	P
Lead	220.35		3.0	0.9	P
Magnesium	279.08		5000	9.0	P
Manganese	257.61		15	0.4	P
Nickel	231.60		40	0.7	P
Selenium	196.03		5.0	3.0	P
Silver	328.07		10	0.7	P
Thallium	190.80		10	2.0	P
Vanadium	292.40		50	0.4	P
Zinc	206.20		20	2.0	P

Comments:

U.S. EPA - CLP

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

ICP ID Number: OPTIMA3 Date: 04/01/05

Flame AA ID Number: TestCode: ILM4.1_ICP_W

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (UG/L)	IDL (UG/L)	M
Antimony	206.83		60	2.0	P
Potassium	766.49		5000	55.0	P
Sodium	589.59		5000	32.0	P

Comments:

U.S. EPA - CLP

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

ICP ID Number: OPTIMA2 Date: 3/30/05

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	308.21		0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0174150	-0.0031006	0.1190830	0.0081035	5.7478200
Arsenic	188.97	0.0728007	0.0000000	0.0111660	0.0111660	-5.3346900
Barium	233.52	0.0046014	0.0068611	0.1471710	0.0036820	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	-0.0035740	0.0000000	0.0664913	0.0000000	0.0000000
Calcium	227.54	-0.5000390		12.8307000	0.0000000	5.5746300
Chromium	267.71	0.0000000	0.0000000	0.0000000	0.0000000	
Cobalt	228.61	0.0000000	0.0000000	0.0250613	0.0000000	-0.0557816
Copper	324.75	0.0072906	0.0039852	-0.1106930	0.0033097	0.1265570
Iron	273.95	0.0000000	0.0000000		0.0000000	0.0000000
Lead	220.35	-0.2678550	-0.0170279	-0.0228521	0.0021432	-0.1462470
Magnesium	279.07	0.0000000	0.0000000	-0.3250520		0.0000000
Manganese	257.61	-0.0388603	0.0047481	-0.5591400	0.0077324	-0.5826900
Nickel	231.60	0.0000000	0.0000000	0.0000302	0.0000000	0.0000000
Selenium	196.02	-0.0555964	-0.0182908	-0.0004092	-0.0058448	-0.0625148
Silver	328.06	0.3719790	0.5376300	-0.0000575	0.0509589	0.1291050
Sodium	330.24	0.3088000	0.5913160	-1.5536100	0.0000000	0.0000000
Thallium	190.80	0.0623562	-0.0110972	0.0000000	0.0062609	0.1560700
Vanadium	292.40	0.0000000	0.0000000	-0.0108800	-0.0030049	-1.6625200
Zinc	206.2	0.0105770	0.0063648	0.0243549	0.0478891	-2.4316200

Comments:

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

ICP ID Number: OPTIMA2 Date: 3/30/05

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cu	Mn	Ni	Tl	Ti
Aluminum	308.21	0.0000000	3.5113200	0.0000000	0.0000000	7.7972300
Antimony	206.83	0.0635122	0.0000000	-0.6345370	0.0000000	0.0000000
Arsenic	188.97	0.0950247	0.0943115	0.0353420	0.0000000	0.0000000
Barium	233.52	0.0000000	0.0000000	0.0363350	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	-1.3160900
Cadmium	226.50	0.0000000	0.0000000	-0.2330110	0.0000000	0.0000000
Calcium	227.54	15.2080000	4.8753100	26.9670000	0.0000000	9.7776700
Chromium	267.71	0.3955010	0.5395740	0.0680176	0.1064640	0.3212980
Cobalt	228.61	0.0000000	0.0000000	0.1294980	0.0000000	1.6297500
Copper	324.75		0.7489700	0.1716190	0.2134400	0.6450550
Iron	273.95	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	-0.0913612	0.0505016	-0.6345370	0.0000000	-0.5608130
Magnesium	279.07	0.0000000	-17.7574000	0.0000000	0.0000000	-7.9278400
Manganese	257.61	0.0000000		0.0224954	0.1603130	0.4882460
Nickel	231.60	0.0000000	0.0000000		0.9385730	1.7139400
Selenium	196.02	0.0619276	0.6810920	0.0000000	0.0000000	0.0000000
Silver	328.06	0.1111620	0.0927470	0.0262930	0.0894754	0.0000000
Sodium	330.24	-11.2798000	0.0000000	0.0000000	0.0000000	-588.4260000
Thallium	190.80	0.0000000	-1.3575900	-0.0201988		0.5053050
Vanadium	292.40	0.0000000	-0.0678184	0.0000000	0.0000000	0.2716680
Zinc	206.2	0.0000000	0.1280170	0.0329218	0.2110700	0.5658720

Comments:

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11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

ICP ID Number: OPTIMA2 Date: 3/30/05

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	___	___	___	___
Aluminum	308.21	14.9737000				
Antimony	206.83	-1.4152400				
Arsenic	188.97	0.0696804				
Barium	233.52	0.5825770				
Beryllium	313.10	0.0000000				
Cadmium	226.50	0.0000000				
Calcium	227.54	42.7958000				
Chromium	267.71	-0.1479760				
Cobalt	228.61	0.0000000				
Copper	324.75	-0.2133690				
Iron	273.95	58.8950000				
Lead	220.35	-0.0935740				
Magnesium	279.07	-1.7446300				
Manganese	257.61	-0.1035920				
Nickel	231.60	0.1378080				
Selenium	196.02	0.2808450				
Silver	328.06	-1.0256500				
Sodium	330.24	0.0000000				
Thallium	190.80	2.1012200				
Vanadium	292.40					
Zinc	206.2	0.0217066				

Comments:

U.S. EPA - CLP

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

ICP ID Number: OPTIMA3 Date: 3/30/05

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	308.21		0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	-0.0517312	0.0000000	15.4803000
Arsenic	188.97	0.0045356	0.0024744	-0.0285871	0.0092064	0.1871210
Barium	233.52	0.0025226	0.0068006	0.0333679	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0411486	0.0000000	0.0000000
Calcium	227.54	0.0000000		27.1137000	0.2574310	4.3574700
Chromium	267.71	0.0000000	0.0021322	-0.0049863	0.0000000	
Cobalt	228.61	0.0000000	0.0000000	0.0222111	0.0000000	-0.0728049
Copper	324.75	0.0134956	0.0000000	-0.2539560	-0.0033103	-0.0915122
Iron	273.95	0.0000000	0.0000000		0.0000000	0.0000000
Lead	220.35	-0.0876746	-0.0229064	0.0293723	0.0033855	-0.0939601
Magnesium	279.07	0.0000000	0.0000000	0.6940750		0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0238222	-0.0405452
Nickel	231.60	0.0000000	0.0031128	0.0185769	0.0000000	0.0000000
Selenium	196.02	-0.0296877	-0.0209754	-0.1962320	-0.0169028	0.0432675
Silver	328.06	0.3670370	0.5515260	0.0549539	0.0058626	0.0000000
Sodium	330.24	0.0721289	1.6032800	-1.5017600	-0.0869609	10.6933000
Thallium	190.80	0.0000000	0.0099136	-0.0481012	-0.0155318	0.2873470
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	-2.5362100
Zinc	206.2	0.0055655	0.0000000	0.0134116	0.0450133	-3.7838400

Comments:

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11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

ICP ID Number: OPTIMA3 Date: 3/30/05

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cu	Mn	Ni	Tl	Ti
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0782287	-0.1102270	-0.8122530	0.0000000	0.2031080
Arsenic	188.97	0.0000000	0.0000000	0.0186825	-0.0952024	0.0000000
Barium	233.52	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	-1.1853200
Cadmium	226.50	0.0000000	0.0000000	-0.2560290	0.0000000	0.0000000
Calcium	227.54	9.2404200	4.8478000	45.3181000	0.0000000	6.0943300
Chromium	267.71	0.0000000	0.2669770	0.0000000	0.0000000	0.1082320
Cobalt	228.61	0.0000000	0.0000000	0.0935109	0.0000000	2.1801300
Copper	324.75		0.0000000	0.0000000	0.0865919	0.1871190
Iron	273.95	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.2515750	0.1073900	0.0000000	0.0000000	-0.1902580
Magnesium	279.07	0.0000000	-3.4112600	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000		0.0000000	0.1517340	0.5352630
Nickel	231.60	0.0000000	0.0507419		0.2032970	0.0014408
Selenium	196.02	-0.0634704	0.8209090	0.0315190	-0.1350020	-0.1919800
Silver	328.06	0.0000000	0.0774532	-0.0602150	-0.0850740	0.3390440
Sodium	330.24	-4.8099800	0.0000000	2.6787200	-4.5025700	380.7280000
Thallium	190.80	0.0000000	-2.3409500	0.0450492		0.7407530
Vanadium	292.40	0.0000000	-0.0539501	0.0000000	0.0000000	0.6419912
Zinc	206.2	0.0000000	0.3582140	0.0000000	0.1493410	0.4049780

Comments:

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11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

ICP ID Number: OPTIMA3 Date: 3/30/05

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	___	___	___	___
Aluminum	308.21	-24.1150000				
Antimony	206.83	-0.1104220				
Arsenic	188.97	0.1568980				
Barium	233.52	-0.6748410				
Beryllium	313.10	-0.0346689				
Cadmium	226.50	0.0000000				
Calcium	227.54	58.0892000				
Chromium	267.71	-0.3813230				
Cobalt	228.61	0.0000000				
Copper	324.75	-0.1314340				
Iron	273.95	30.6163000				
Lead	220.35	-0.0674069				
Magnesium	279.07	0.0000000				
Manganese	257.61	-0.0342472				
Nickel	231.60	0.0000000				
Selenium	196.02	-0.0783879				
Silver	328.06	-5.7249500				
Sodium	330.24	3.2989700				
Thallium	190.80	0.0000000				
Vanadium	292.40					
Zinc	206.2	0.0000000				

Comments:

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12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

ICP ID Number: OPTIMA2 Date: 04/01/2005

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	0.20	500000	P
Arsenic	0.20	25000	P
Barium	0.20	50000	P
Beryllium	0.20	1000	P
Cadmium	0.20	10000	P
Calcium	0.20	500000	P
Chromium	0.20	25000	P
Cobalt	0.20	50000	P
Copper	0.20	25000	P
Iron	0.20	300000	P
Lead	0.20	50000	P
Magnesium	0.20	500000	P
Manganese	0.20	25000	P
Nickel	0.20	50000	P
Selenium	0.20	25000	P
Silver	0.20	2500	P
Thallium	0.20	25000	P
Vanadium	0.20	50000	P
Zinc	0.20	25000	P

Comments:

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12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

ICP ID Number: OPTIMA3 Date: 04/01/2005

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Antimony	0.20	50000	P
Potassium	0.20	250000	P
Sodium	0.20	250000	P

Comments:

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Method: CA

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
B-190	05/12/05	1.25	50
LCSS	05/12/05	1.03	50
PBS	05/12/05	1.00	50

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
B-190	05/18/05	0.20	100
LCSS	05/18/05	0.20	100
PBS	05/18/05	0.20	100

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
B-190	05/18/05	1.49	200
LCSS	05/18/05	1.00	200
PBS	05/18/05	1.00	200

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Instrument ID Number: FIMS1 Method: CV

Start Date: 05/18/2005 End Date: 05/18/2005

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1525																X									
S0.2	1.00	1527																X									
S1.0	1.00	1528																X									
S2.0	1.00	1529																X									
S5.0	1.00	1531																X									
S10.0	1.00	1532																X									
ICV	1.00	1533																X									
ICB	1.00	1535																X									
CRA	1.00	1536																X									
CCV	1.00	1537																X									
CCB	1.00	1539																X									
ZZZZZZ	1.00	1540																									
ZZZZZZ	1.00	1541																									
ZZZZZZ	1.00	1543																									
ZZZZZZ	1.00	1544																									
ZZZZZZ	1.00	1545																									
CCV	1.00	1547																X									
CCB	1.00	1548																X									
PBS	1.00	1549																X									
ZZZZZZ	1.00	1551																									
B-190	1.00	1552																X									
ZZZZZZ	1.00	1553																									
ZZZZZZ	1.00	1555																									
ZZZZZZ	1.00	1556																									
LCSS	10.00	1557																X									
ZZZZZZ	1.00	1559																									
CCV	1.00	1600																X									
CCB	1.00	1601																X									

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Instrument ID Number: LACHAT1 Method: CA

Start Date: 05/13/2005 End Date: 05/13/2005

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1142																								X
S0.01	1.00	1144																								X
S0.025	1.00	1147																								X
S0.05	1.00	1149																								X
S0.10	1.00	1152																								X
S0.20	1.00	1154																								X
S0.40	1.00	1157																								X
ICV	1.00	1200																								X
ICB	1.00	1203																								X
CRA	1.00	1205																								X
CCV	1.00	1208																								X
CCB	1.00	1210																								X
ZZZZZZ	1.00	1213																								
ZZZZZZ	1.00	1216																								
ZZZZZZ	1.00	1218																								
ZZZZZZ	1.00	1221																								
CCV	1.00	1223																								X
CCB	1.00	1226																								X
ZZZZZZ	1.00	1228																								
ZZZZZZ	1.00	1231																								
ZZZZZZ	1.00	1233																								
ZZZZZZ	1.00	1236																								
ZZZZZZ	1.00	1238																								
ZZZZZZ	1.00	1241																								
ZZZZZZ	1.00	1243																								
ZZZZZZ	1.00	1246																								
CCV	1.00	1248																								X
CCB	1.00	1251																								X
ZZZZZZ	1.00	1253																								
ZZZZZZ	1.00	1256																								
ZZZZZZ	1.00	1258																								
ZZZZZZ	1.00	1301																								
ZZZZZZ	1.00	1303																								
ZZZZZZ	1.00	1306																								
ZZZZZZ	1.00	1309																								

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Instrument ID Number: LACHAT1 Method: CA

Start Date: 05/13/2005 End Date: 05/13/2005

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1311																								
CCV	1.00	1314																								X
CCB	1.00	1316																								X
ZZZZZZ	1.00	1319																								
PBS	1.00	1321																								X
ZZZZZZ	1.00	1324																								
ZZZZZZ	1.00	1326																								
ZZZZZZ	1.00	1329																								
ZZZZZZ	1.00	1331																								
B-190	1.00	1334																								X
CCV	1.00	1336																								X
CCB	1.00	1339																								X
ZZZZZZ	1.00	1341																								
LCSS	10.00	1445																								X
CCV	1.00	1447																								X
CCB	1.00	1450																								X

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Instrument ID Number: OPTIMA2 Method: P

Start Date: 05/19/2005 End Date: 05/19/2005

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1053		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
S1	1.00	1057		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ZZZZZZ	1.00	1102																										
ZZZZZZ	1.00	1106																										
ICV	1.00	1109		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICB	1.00	1119		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CRI	1.00	1123				X		X	X		X	X	X		X		X			X		X	X		X	X	X	
ICSA	1.00	1127		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1131		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.00	1136		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCB	1.00	1140		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ZZZZZZ	1.00	1144																										
ZZZZZZ	1.00	1148																										
ZZZZZZ	1.00	1152																										
ZZZZZZ	1.00	1156																										
ZZZZZZ	5.00	1201																										
ZZZZZZ	1.00	1205																										
ZZZZZZ	1.00	1209																										
CCV	1.00	1218		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCB	1.00	1223		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
PBS	1.00	1227		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
LCSS	1.00	1231		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
B-190L	5.00	1235		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
B-190	1.00	1239		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ZZZZZZ	1.00	1243																										
CRI	1.00	1248				X		X	X		X	X	X		X		X			X		X	X		X	X	X	
ICSA	1.00	1252		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1256		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.00	1300		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCB	1.00	1304		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	

14
ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Instrument ID Number: OPTIMA3 Method: P

Start Date: 05/19/2005 End Date: 05/19/2005

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1404																				X				
S1	1.00	1406																				X				
ICV	1.00	1408																				X				
ICB	1.00	1411																				X				
ICSA	1.00	1413																				X				
ICSAB	1.00	1415																				X				
CCV	1.00	1418																				X				
CCB	1.00	1420																				X				
PBS	1.00	1423																				X				
LCSS	1.00	1425																				X				
B-190L	5.00	1427																				X				
B-190	1.00	1430																				X				
ZZZZZZ	1.00	1432																								
ZZZZZZ	1.00	1434																								
ZZZZZZ	5.00	1437																								
ZZZZZZ	1.00	1439																								
CCV	1.00	1441																				X				
CCB	1.00	1444																				X				
ZZZZZZ	1.00	1446																								
ZZZZZZ	1.00	1448																								
ZZZZZZ	5.00	1451																								
ZZZZZZ	1.00	1453																								
ZZZZZZ	5.00	1455																								
ICSA	1.00	1458																				X				
ICSAB	1.00	1500																				X				
CCV	1.00	1502																				X				
CCB	1.00	1505																				X				

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Instrument ID Number: OPTIMA3 Method: P

Start Date: 05/19/2005 End Date: 05/19/2005

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1507																		X							
S1	1.00	1509																		X							
ICV	1.00	1512																		X							
ICB	1.00	1514																		X							
ICSA	1.00	1516																		X							
ICSAB	1.00	1519																		X							
CCV	1.00	1521																		X							
CCB	1.00	1523																		X							
PBS	1.00	1526																		X							
LCSS	1.00	1528																		X							
B-190L	1.00	1531																		X							
B-190	5.00	1533																		X							
ZZZZZZ	1.00	1535																									
ZZZZZZ	1.00	1538																									
ZZZZZZ	5.00	1540																									
ZZZZZZ	1.00	1542																									
CCV	1.00	1545																		X							
CCB	1.00	1547																		X							
ZZZZZZ	1.00	1549																									
ZZZZZZ	1.00	1552																									
ZZZZZZ	5.00	1554																									
ZZZZZZ	1.00	1556																									
ZZZZZZ	5.00	1559																									
ICSA	1.00	1601																		X							
ICSAB	1.00	1603																		X							
CCV	1.00	1606																		X							
CCB	1.00	1608																		X							

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0523

Instrument ID Number: OPTIMA3 Method: P

Start Date: 05/20/2005 End Date: 05/20/2005

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1330			X																						
S1	1.00	1334			X																						
ICV	1.00	1337			X																						
ICB	1.00	1340			X																						
CRI	1.00	1343			X																						
ICSA	1.00	1346			X																						
ICSAB	1.00	1349			X																						
CCV	1.00	1352			X																						
CCB	1.00	1356			X																						
PBS	1.00	1359			X																						
LCSS	1.00	1402			X																						
B-190L	5.00	1405			X																						
B-190	1.00	1408			X																						
ZZZZZZ	1.00	1412																									
ZZZZZZ	1.00	1415																									
ZZZZZZ	1.00	1418																									
ZZZZZZ	5.00	1421																									
ZZZZZZ	1.00	1424																									
ZZZZZZ	1.00	1427																									
CCV	1.00	1431			X																						
CCB	1.00	1434			X																						
ZZZZZZ	1.00	1437																									
ZZZZZZ	1.00	1440																									
ZZZZZZ	5.00	1443																									
ZZZZZZ	1.00	1446																									
ZZZZZZ	5.00	1449																									
CRI	1.00	1453			X																						
ICSA	1.00	1456			X																						
ICSAB	1.00	1459			X																						
CCV	1.00	1502			X																						
CCB	1.00	1505			X																						

Instrument Raw Data

- [x] ICP
- [x] Mercury
- [ ] Cyanide

Reprocessing Begun
Logged In Analyst: optima2 Technique: ICP Continuous

Results Data Set (original): A05051901
Results Library (original): D:\pe\administrator\Results\Results.mdb
Results Data Set (reprocessed): A05051901A
Results Library (reprocessed): D:\pe\administrator\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 1
Sample ID: S0 Date Collected: 5/19/05 10:53:43 AM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 5/20/05 9:15:57 AM,

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	-1124.9	85.80	7.63%	[0.00]	mg/L
Al 308.215	17136.0	182.80	1.07%	[0.00]	mg/L
As 188.979	16.6	0.51	3.06%	[0.00]	mg/L
Ba 233.527	566.8	3.73	0.66%	[0.00]	mg/L
Be 313.107	-1957.5	2.67	0.14%	[0.00]	mg/L
Co 228.616	-191.0	0.91	0.48%	[0.00]	mg/L
Cr 267.716	1404.8	22.35	1.59%	[0.00]	mg/L
Cu 324.752	4661.6	25.28	0.54%	[0.00]	mg/L
Fe 273.955	-2387.5	5.26	0.22%	[0.00]	mg/L
Mg 279.077	-9896.8	0.64	0.01%	[0.00]	mg/L
Mn 257.610	-2775.0	2.36	0.09%	[0.00]	mg/L
Ni 231.604	-146.3	8.79	6.01%	[0.00]	mg/L
Pb 220.353	-401.7	5.58	1.39%	[0.00]	mg/L
Sb 206.836	207.3	0.44	0.21%	[0.00]	mg/L
Se 196.026	16.3	3.68	22.55%	[0.00]	mg/L
Tl 190.801	20.3	0.12	0.59%	[0.00]	mg/L
V 292.402	-375.3	42.26	11.26%	[0.00]	mg/L
Zn 206.200	344.5	11.54	3.35%	[0.00]	mg/L
Na 330.237	338.1	157.16	46.48%	[0.00]	mg/L
Cd 226.502	-632.8	8.44	1.33%	[0.00]	mg/L
Ti 334.940	548.1	73.25	13.36%	[0.00]	mg/L
Ca 227.546	151.2	10.06	6.65%	[0.00]	mg/L

Sequence No.: 2 Autosampler Location: 2
Sample ID: S1 Date Collected: 5/19/05 10:57:47 AM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 5/20/05 9:16:02 AM,

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	851786.5	1002.51	0.12%	[2.5]	mg/L
Al 308.215	675285.0	1720.18	0.25%	[20]	mg/L
As 188.979	1717.4	12.19	0.71%	[1]	mg/L
Ba 233.527	1721940.6	8763.05	0.51%	[20]	mg/L
Be 313.107	3095880.4	17232.87	0.56%	[0.5]	mg/L
Co 228.616	233167.3	3.01	0.00%	[5]	mg/L
Cr 267.716	451304.9	1127.46	0.25%	[2]	mg/L
Cu 324.752	980315.4	6430.42	0.66%	[2.5]	mg/L
Fe 273.955	231296.2	659.26	0.29%	[10]	mg/L
Mg 279.077	941971.8	1345.73	0.14%	[50]	mg/L
Mn 257.610	556919.0	321.99	0.06%	[5]	mg/L
Ni 231.604	364885.1	114.06	0.03%	[5]	mg/L
Pb 220.353	11818.9	56.53	0.48%	[1]	mg/L
Sb 206.836	3056.9	309.99	10.14%	[1]	mg/L
Se 196.026	2332.2	19.74	0.85%	[1]	mg/L
Tl 190.801	2096.4	12.17	0.58%	[1]	mg/L

V 292.402	1212556.0	4139.88	0.34%	[5] mg/L
Zn 206.200	482779.9	1922.61	0.40%	[5] mg/L
Na 330.237	79332.6	460.71	0.58%	[50] mg/L
Cd 226.502	115280.3	503.43	0.44%	[0.5] mg/L
Ti 334.940	739094.2	4751.30	0.64%	[1] mg/L
Ca 227.546	25287.3	135.66	0.54%	[50] mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	340700	0.00000	1.000000	
Al 308.215	1	Lin Thru 0	0.0	33760	0.00000	1.000000	
As 188.979	1	Lin Thru 0	0.0	1717	0.00000	1.000000	
Ba 233.527	1	Lin Thru 0	0.0	86100	0.00000	1.000000	
Be 313.107	1	Lin Thru 0	0.0	6192000	0.00000	1.000000	
Co 228.616	1	Lin Thru 0	0.0	46630	0.00000	1.000000	
Cr 267.716	1	Lin Thru 0	0.0	225700	0.00000	1.000000	
Cu 324.752	1	Lin Thru 0	0.0	392100	0.00000	1.000000	
Fe 273.955	1	Lin Thru 0	0.0	23130	0.00000	1.000000	
Mg 279.077	1	Lin Thru 0	0.0	18840	0.00000	1.000000	
Mn 257.610	1	Lin Thru 0	0.0	111400	0.00000	1.000000	
Ni 231.604	1	Lin Thru 0	0.0	72980	0.00000	1.000000	
Pb 220.353	1	Lin Thru 0	0.0	11820	0.00000	1.000000	
Sb 206.836	1	Lin Thru 0	0.0	3057	0.00000	1.000000	
Se 196.026	1	Lin Thru 0	0.0	2332	0.00000	1.000000	
Tl 190.801	1	Lin Thru 0	0.0	2096	0.00000	1.000000	
V 292.402	1	Lin Thru 0	0.0	242500	0.00000	1.000000	
Zn 206.200	1	Lin Thru 0	0.0	96560	0.00000	1.000000	
Na 330.237	1	Lin Thru 0	0.0	1587	0.00000	1.000000	
Cd 226.502	1	Lin Thru 0	0.0	230600	0.00000	1.000000	
Ti 334.940	1	Lin Thru 0	0.0	739100	0.00000	1.000000	
Ca 227.546	1	Lin Thru 0	0.0	505.7	0.00000	1.000000	

Sequence No.: 3
Sample ID: ICV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 5/19/05 11:02:02 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:03 AM,

Mean Data: ICV

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	703901.7	2.0677	mg/L	0.00259	2.0677	mg/L	0.00259	0.13%
Al 308.215	505263.3	14.894	mg/L	0.1193	14.894	mg/L	0.1193	0.80%
As 188.979	1313.0	0.7707	mg/L	0.00099	0.7707	mg/L	0.00099	0.13%
Ba 233.527	1353116.9	15.712	mg/L	0.0841	15.712	mg/L	0.0841	0.54%
Be 313.107	2373334.7	0.3833	mg/L	0.00051	0.3833	mg/L	0.00051	0.13%
Co 228.616	177536.0	3.8065	mg/L	0.03387	3.8065	mg/L	0.03387	0.89%
Cr 267.716	342138.9	1.5136	mg/L	0.01271	1.5136	mg/L	0.01271	0.84%
Cu 324.752	754271.3	1.9210	mg/L	0.00651	1.9210	mg/L	0.00651	0.34%
Fe 273.955	177691.9	7.4562	mg/L	0.06689	7.4562	mg/L	0.06689	0.90%
Mg 279.077	715715.3	38.067	mg/L	0.3229	38.067	mg/L	0.3229	0.85%
Mn 257.610	424365.0	3.8162	mg/L	0.03210	3.8162	mg/L	0.03210	0.84%
Ni 231.604	277212.1	3.7967	mg/L	0.02788	3.7967	mg/L	0.02788	0.73%
Pb 220.353	8982.1	0.7670	mg/L	0.00075	0.7670	mg/L	0.00075	0.10%
Sb 206.836	2712.0	0.8800	mg/L	0.01123	0.8800	mg/L	0.01123	1.28%
Se 196.026	1780.7	0.7643	mg/L	0.00011	0.7643	mg/L	0.00011	0.01%
Tl 190.801	1608.1	0.7632	mg/L	0.00044	0.7632	mg/L	0.00044	0.06%
V 292.402	931402.6	3.8436	mg/L	0.00975	3.8436	mg/L	0.00975	0.25%
Zn 206.200	368750.9	3.8202	mg/L	0.03454	3.8202	mg/L	0.03454	0.90%
Na 330.237	59555.2	37.541	mg/L	0.3727	37.541	mg/L	0.3727	0.99%
Cd 226.502	87274.2	0.3790	mg/L	0.00305	0.3790	mg/L	0.00305	0.80%
Ti 334.940	-23.2	0.0012	mg/L	0.00024	0.0012	mg/L	0.00024	19.87%
Ca 227.546	19519.2	38.181	mg/L	0.0445	38.181	mg/L	0.0445	0.12%

Sequence No.: 4
Sample ID: ICB

Autosampler Location: 4
Date Collected: 5/19/05 11:06:12 AM

Analyst:
Sample Wt:
Dilution:

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:05 AM,

DW 5/20/05

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	3602.3	0.0106	mg/L	0.00105	0.0106	mg/L	0.00105	9.94%
Al 308.215	108.3	0.0032	mg/L	0.00296	0.0032	mg/L	0.00296	92.49%
As 188.979	-0.2	-0.0001	mg/L	0.00073	-0.0001	mg/L	0.00073	549.34%
Ba 233.527	135.6	0.0016	mg/L	0.00068	0.0016	mg/L	0.00068	43.20%
Be 313.107	368.0	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	19.72%
Co 228.616	35.7	0.0008	mg/L	0.00026	0.0008	mg/L	0.00026	33.74%
Cr 267.716	56.1	0.0002	mg/L	0.00015	0.0002	mg/L	0.00015	60.29%
Cu 324.752	2758.8	0.0070	mg/L	0.00090	0.0070	mg/L	0.00090	12.75%
Fe 273.955	79.3	0.0034	mg/L	0.00063	0.0034	mg/L	0.00063	18.39%
Mg 279.077	226.9	0.0121	mg/L	0.00716	0.0121	mg/L	0.00716	59.36%
Mn 257.610	61.8	0.0006	mg/L	0.00017	0.0006	mg/L	0.00017	29.65%
Ni 231.604	46.9	0.0006	mg/L	0.00025	0.0006	mg/L	0.00025	38.39%
Pb 220.353	12.6	0.0011	mg/L	0.00071	0.0011	mg/L	0.00071	66.27%
Sb 206.836	69.4	0.0227	mg/L	0.00533	0.0227	mg/L	0.00533	23.46%
Se 196.026	1.0	0.0004	mg/L	0.00122	0.0004	mg/L	0.00122	288.77%
Tl 190.801	7.1	0.0034	mg/L	0.00086	0.0034	mg/L	0.00086	25.55%
V 292.402	111.7	0.0005	mg/L	0.00042	0.0005	mg/L	0.00042	91.75%
Zn 206.200	781.1	0.0081	mg/L	0.00137	0.0081	mg/L	0.00137	16.97%
Na 330.237	85.7	0.0542	mg/L	0.02803	0.0542	mg/L	0.02803	51.72%
Cd 226.502	22.1	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	30.45%
Ti 334.940	120.7	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	34.28%
Ca 227.546	0.0	-0.0002	mg/L	0.00200	-0.0002	mg/L	0.00200	>999.9%

Sequence No.: 5
Sample ID: ICV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 5/19/05 11:09:58 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:05 AM,

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	696394.0	2.0457	mg/L	0.01120	2.0457	mg/L	0.01120	0.55%
Al 308.215	508630.5	14.993	mg/L	0.1172	14.993	mg/L	0.1172	0.78%
As 188.979	1324.1	0.7772	mg/L	0.00363	0.7772	mg/L	0.00363	0.47%
Ba 233.527	1346543.6	15.636	mg/L	0.0654	15.636	mg/L	0.0654	0.42%
Be 313.107	2365835.3	0.3821	mg/L	0.00114	0.3821	mg/L	0.00114	0.30%
Co 228.616	178509.9	3.8273	mg/L	0.02252	3.8273	mg/L	0.02252	0.59%
Cr 267.716	344513.5	1.5242	mg/L	0.01565	1.5242	mg/L	0.01565	1.03%
Cu 324.752	746909.0	1.9022	mg/L	0.00591	1.9022	mg/L	0.00591	0.31%
Fe 273.955	178786.0	7.5041	mg/L	0.07674	7.5041	mg/L	0.07674	1.02%
Mg 279.077	719040.0	38.244	mg/L	0.2764	38.244	mg/L	0.2764	0.72%
Mn 257.610	426460.1	3.8350	mg/L	0.02583	3.8350	mg/L	0.02583	0.67%
Ni 231.604	278139.9	3.8094	mg/L	0.01480	3.8094	mg/L	0.01480	0.39%
Pb 220.353	9008.0	0.7692	mg/L	0.00340	0.7692	mg/L	0.00340	0.44%
Sb 206.836	2561.6	0.8307	mg/L	0.00909	0.8307	mg/L	0.00909	1.09%
Se 196.026	1787.1	0.7671	mg/L	0.00433	0.7671	mg/L	0.00433	0.56%
Tl 190.801	1615.8	0.7670	mg/L	0.00403	0.7670	mg/L	0.00403	0.53%
V 292.402	928989.7	3.8337	mg/L	0.01388	3.8337	mg/L	0.01388	0.36%
Zn 206.200	369671.7	3.8298	mg/L	0.03724	3.8298	mg/L	0.03724	0.97%
Na 330.237	59739.2	37.657	mg/L	0.2512	37.657	mg/L	0.2512	0.67%
Cd 226.502	87632.0	0.3805	mg/L	0.00313	0.3805	mg/L	0.00313	0.82%
Ti 334.940	-131.3	0.0011	mg/L	0.00000	0.0011	mg/L	0.00000	0.31%
Ca 227.546	19652.6	38.444	mg/L	0.1062	38.444	mg/L	0.1062	0.28%

Sequence No.: 6
Sample ID: ICB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/19/05 11:19:21 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:06 AM,

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	2278.4	0.0067	mg/L	0.00034	0.0067	mg/L	0.00034	5.16%
Al 308.215	140.1	0.0041	mg/L	0.00044	0.0041	mg/L	0.00044	10.55%
As 188.979	1.4	0.0008	mg/L	0.00230	0.0008	mg/L	0.00230	289.57%
Ba 233.527	56.4	0.0007	mg/L	0.00006	0.0007	mg/L	0.00006	8.53%
Be 313.107	96.3	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	44.96%
Co 228.616	19.1	0.0004	mg/L	0.00004	0.0004	mg/L	0.00004	10.12%
Cr 267.716	5.4	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	16.72%
Cu 324.752	1483.5	0.0038	mg/L	0.00005	0.0038	mg/L	0.00005	1.25%
Fe 273.955	53.5	0.0023	mg/L	0.00022	0.0023	mg/L	0.00022	9.45%
Mg 279.077	134.8	0.0072	mg/L	0.00098	0.0072	mg/L	0.00098	13.66%
Mn 257.610	36.1	0.0003	mg/L	0.00000	0.0003	mg/L	0.00000	1.11%
Ni 231.604	22.1	0.0003	mg/L	0.00007	0.0003	mg/L	0.00007	21.83%
Pb 220.353	2.9	0.0002	mg/L	0.00062	0.0002	mg/L	0.00062	254.79%
Sb 206.836	15.3	0.0050	mg/L	0.00116	0.0050	mg/L	0.00116	23.17%
Se 196.026	2.9	0.0012	mg/L	0.00131	0.0012	mg/L	0.00131	105.41%
Tl 190.801	0.3	0.0002	mg/L	0.00200	0.0002	mg/L	0.00200	>999.9%
V 292.402	13.0	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007	134.75%
Zn 206.200	492.1	0.0051	mg/L	0.00037	0.0051	mg/L	0.00037	7.24%
Na 330.237	-43.8	-0.0275	mg/L	0.11410	-0.0275	mg/L	0.11410	415.08%
Cd 226.502	3.9	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	78.71%
Ti 334.940	84.6	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	30.16%
Ca 227.546	11.2	0.0221	mg/L	0.00892	0.0221	mg/L	0.00892	40.45%

Sequence No.: 7
Sample ID: CRI
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/19/05 11:23:28 AM
Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:07 AM,

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	11222.8	0.0330	mg/L	0.00068	0.0330	mg/L	0.00068	2.05%
Al 308.215	323.1	0.0079	mg/L	0.00219	0.0079	mg/L	0.00219	27.78%
As 188.979	36.8	0.0215	mg/L	0.00006	0.0215	mg/L	0.00006	0.28%
Ba 233.527	103.9	0.0011	mg/L	0.00007	0.0011	mg/L	0.00007	5.87%
Be 313.107	63045.3	0.0102	mg/L	0.00008	0.0102	mg/L	0.00008	0.77%
Co 228.616	4954.9	0.1062	mg/L	0.00022	0.1062	mg/L	0.00022	0.20%
Cr 267.716	4749.7	0.0210	mg/L	0.00009	0.0210	mg/L	0.00009	0.45%
Cu 324.752	21672.2	0.0552	mg/L	0.00020	0.0552	mg/L	0.00020	0.36%
Fe 273.955	253.6	0.0048	mg/L	0.00041	0.0048	mg/L	0.00041	8.46%
Mg 279.077	-20.2	-0.0003	mg/L	0.00018	-0.0003	mg/L	0.00018	53.60%
Mn 257.610	3519.8	0.0316	mg/L	0.00005	0.0316	mg/L	0.00005	0.15%
Ni 231.604	6314.9	0.0865	mg/L	0.00083	0.0865	mg/L	0.00083	0.97%
Pb 220.353	83.7	0.0072	mg/L	0.00014	0.0072	mg/L	0.00014	1.97%
Sb 206.836	320.2	0.1047	mg/L	0.01279	0.1047	mg/L	0.01279	12.21%
Se 196.026	27.0	0.0115	mg/L	0.00012	0.0115	mg/L	0.00012	1.08%
Tl 190.801	45.6	0.0216	mg/L	0.00157	0.0216	mg/L	0.00157	7.29%
V 292.402	25270.0	0.1042	mg/L	0.00077	0.1042	mg/L	0.00077	0.74%
Zn 206.200	5330.1	0.0552	mg/L	0.00050	0.0552	mg/L	0.00050	0.91%
Na 330.237	205.3	0.1300	mg/L	0.15413	0.1300	mg/L	0.15413	118.52%
Cd 226.502	2441.1	0.0106	mg/L	0.00001	0.0106	mg/L	0.00001	0.06%
Ti 334.940	49.1	0.0001	mg/L	0.00013	0.0001	mg/L	0.00013	202.04%
Ca 227.546	31.8	0.0549	mg/L	0.00732	0.0549	mg/L	0.00732	13.33%

Sequence No.: 8
Sample ID: ICSA
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/19/05 11:27:37 AM
Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:08 AM,

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Ag 328.068	-3944.5	0.0059	mg/L	0.00086	0.0059	mg/L	0.00086	14.52%
Al 308.215	15923205.0	471.60	mg/L	0.359	471.60	mg/L	0.359	0.08%
As 188.979	51.2	0.0037	mg/L	0.00084	0.0037	mg/L	0.00084	22.52%
Ba 233.527	2433.9	-0.0038	mg/L	0.00009	-0.0038	mg/L	0.00009	2.34%
Be 313.107	-223.3	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	11.61%
Co 228.616	134.1	-0.0013	mg/L	0.00009	-0.0013	mg/L	0.00009	6.84%
Cr 267.716	245.1	0.0012	mg/L	0.00002	0.0012	mg/L	0.00002	2.04%
Cu 324.752	-5911.4	-0.0031	mg/L	0.00003	-0.0031	mg/L	0.00003	1.10%
Fe 273.955	3919953.5	169.48	mg/L	0.071	169.48	mg/L	0.071	0.04%
Mg 279.077	8605805.7	456.85	mg/L	0.425	456.85	mg/L	0.425	0.09%
Mn 257.610	-13388.6	0.0107	mg/L	0.00117	0.0107	mg/L	0.00117	11.02%
Ni 231.604	276.1	-0.0113	mg/L	0.00005	-0.0113	mg/L	0.00005	0.41%
Pb 220.353	-1338.0	0.0006	mg/L	0.00018	0.0006	mg/L	0.00018	29.39%
Sb 206.836	425.0	0.0345	mg/L	0.00137	0.0345	mg/L	0.00137	3.96%
Se 196.026	-248.6	-0.0012	mg/L	0.00267	-0.0012	mg/L	0.00267	221.54%
Tl 190.801	59.4	0.0013	mg/L	0.00012	0.0013	mg/L	0.00012	9.25%
V 292.402	-882.8	-0.0004	mg/L	0.00016	-0.0004	mg/L	0.00016	37.16%
Zn 206.200	2152.7	-0.0010	mg/L	0.00019	-0.0010	mg/L	0.00019	18.52%
Na 330.237	-198.3	-0.3036	mg/L	0.03032	-0.3036	mg/L	0.03032	9.99%
Cd 226.502	3040.5	0.0036	mg/L	0.00025	0.0036	mg/L	0.00025	6.82%
Ti 334.940	-15247.4	-0.0031	mg/L	0.00000	-0.0031	mg/L	0.00000	0.12%
Ca 227.546	242868.6	478.28	mg/L	5.292	478.28	mg/L	5.292	1.11%

Sequence No.: 9
Sample ID: ICSAB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/19/05 11:31:52 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:08 AM,

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Ag 328.068	64023.9	0.2045	mg/L	0.00018	0.2045	mg/L	0.00018	0.09%
Al 308.215	15901292.4	470.94	mg/L	0.405	470.94	mg/L	0.405	0.09%
As 188.979	206.9	0.0968	mg/L	0.00106	0.0968	mg/L	0.00106	1.09%
Ba 233.527	44594.0	0.4855	mg/L	0.00023	0.4855	mg/L	0.00023	0.05%
Be 313.107	2856618.2	0.4613	mg/L	0.00082	0.4613	mg/L	0.00082	0.18%
Co 228.616	20877.9	0.4434	mg/L	0.00105	0.4434	mg/L	0.00105	0.24%
Cr 267.716	104207.7	0.4614	mg/L	0.00090	0.4614	mg/L	0.00090	0.20%
Cu 324.752	181167.0	0.4735	mg/L	0.00573	0.4735	mg/L	0.00573	1.21%
Fe 273.955	3922862.1	169.58	mg/L	0.197	169.58	mg/L	0.197	0.12%
Mg 279.077	8613832.8	457.29	mg/L	0.212	457.29	mg/L	0.212	0.05%
Mn 257.610	38867.1	0.4801	mg/L	0.00182	0.4801	mg/L	0.00182	0.38%
Ni 231.604	64143.1	0.8638	mg/L	0.00286	0.8638	mg/L	0.00286	0.33%
Pb 220.353	-846.0	0.0429	mg/L	0.00081	0.0429	mg/L	0.00081	1.88%
Sb 206.836	2475.9	0.7035	mg/L	0.00039	0.7035	mg/L	0.00039	0.05%
Se 196.026	-141.0	0.0446	mg/L	0.00012	0.0446	mg/L	0.00012	0.26%
Tl 190.801	242.5	0.0883	mg/L	0.00095	0.0883	mg/L	0.00095	1.07%
V 292.402	113630.9	0.4726	mg/L	0.00115	0.4726	mg/L	0.00115	0.24%
Zn 206.200	85962.4	0.8679	mg/L	0.00576	0.8679	mg/L	0.00576	0.66%
Na 330.237	2436.8	1.3580	mg/L	0.01199	1.3580	mg/L	0.01199	0.88%
Cd 226.502	205096.0	0.8802	mg/L	0.00335	0.8802	mg/L	0.00335	0.38%
Ti 334.940	-15493.6	-0.0032	mg/L	0.00001	-0.0032	mg/L	0.00001	0.41%
Ca 227.546	246979.2	486.35	mg/L	1.653	486.35	mg/L	1.653	0.34%

Sequence No.: 10
Sample ID: CCV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/19/05 11:36:10 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:09 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Ag 328.068	428898.3	1.2601	mg/L	0.00987	1.2601	mg/L	0.00987	0.78%

Al 308.215	336630.1	9.9224 mg/L	0.06543	9.9224 mg/L	0.06543	0.66%
As 188.979	880.6	0.5169 mg/L	0.00111	0.5169 mg/L	0.00111	0.21%
Ba 233.527	922409.2	10.711 mg/L	0.1605	10.711 mg/L	0.1605	1.50%
Be 313.107	1600993.0	0.2586 mg/L	0.00411	0.2586 mg/L	0.00411	1.59%
Co 228.616	119924.7	2.5712 mg/L	0.01648	2.5712 mg/L	0.01648	0.64%
Cr 267.716	231015.8	1.0220 mg/L	0.00283	1.0220 mg/L	0.00283	0.28%
Cu 324.752	504681.5	1.2853 mg/L	0.02140	1.2853 mg/L	0.02140	1.66%
Fe 273.955	120773.4	5.0696 mg/L	0.03958	5.0696 mg/L	0.03958	0.78%
Mg 279.077	487050.3	25.904 mg/L	0.2020	25.904 mg/L	0.2020	0.78%
Mn 257.610	285588.2	2.5682 mg/L	0.01642	2.5682 mg/L	0.01642	0.64%
Ni 231.604	186437.9	2.5534 mg/L	0.02542	2.5534 mg/L	0.02542	1.00%
Pb 220.353	6090.1	0.5200 mg/L	0.00019	0.5200 mg/L	0.00019	0.04%
Sb 206.836	1687.0	0.5470 mg/L	0.00785	0.5470 mg/L	0.00785	1.43%
Se 196.026	1190.4	0.5110 mg/L	0.00092	0.5110 mg/L	0.00092	0.18%
Tl 190.801	1095.6	0.5200 mg/L	0.00093	0.5200 mg/L	0.00093	0.18%
V 292.402	625841.6	2.5827 mg/L	0.04338	2.5827 mg/L	0.04338	1.68%
Zn 206.200	253730.4	2.6286 mg/L	0.00326	2.6286 mg/L	0.00326	0.12%
Na 330.237	38674.9	24.379 mg/L	0.0539	24.379 mg/L	0.0539	0.22%
Cd 226.502	59009.7	0.2562 mg/L	0.00149	0.2562 mg/L	0.00149	0.58%
Ti 334.940	-120.3	0.0006 mg/L	0.00000	0.0006 mg/L	0.00000	0.26%
Ca 227.546	13018.1	25.461 mg/L	0.0570	25.461 mg/L	0.0570	0.22%

Sequence No.: 11 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 5/19/05 11:40:22 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 5/20/05 9:16:10 AM,**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	801.7	0.0024	mg/L	0.00014	0.0024	mg/L	0.00014	5.85%
Al 308.215	752.0	0.0223	mg/L	0.00969	0.0223	mg/L	0.00969	43.51%
As 188.979	-0.8	-0.0005	mg/L	0.00120	-0.0005	mg/L	0.00120	260.57%
Ba 233.527	130.2	0.0015	mg/L	0.00023	0.0015	mg/L	0.00023	15.00%
Be 313.107	265.0	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	50.64%
Co 228.616	31.9	0.0007	mg/L	0.00014	0.0007	mg/L	0.00014	19.85%
Cr 267.716	114.8	0.0005	mg/L	0.00023	0.0005	mg/L	0.00023	44.97%
Cu 324.752	2077.8	0.0053	mg/L	0.00068	0.0053	mg/L	0.00068	12.78%
Fe 273.955	202.5	0.0087	mg/L	0.00185	0.0087	mg/L	0.00185	21.12%
Mg 279.077	1842.7	0.0978	mg/L	0.01530	0.0978	mg/L	0.01530	15.64%
Mn 257.610	-10.4	-0.0001	mg/L	0.00013	-0.0001	mg/L	0.00013	145.35%
Ni 231.604	61.7	0.0008	mg/L	0.00013	0.0008	mg/L	0.00013	14.82%
Pb 220.353	0.5	0.0001	mg/L	0.00011	0.0001	mg/L	0.00011	227.31%
Sb 206.836	30.5	0.0100	mg/L	0.00142	0.0100	mg/L	0.00142	14.18%
Se 196.026	0.3	0.0001	mg/L	0.00192	0.0001	mg/L	0.00192	>999.9%
Tl 190.801	2.8	0.0013	mg/L	0.00066	0.0013	mg/L	0.00066	50.30%
V 292.402	72.5	0.0003	mg/L	0.00033	0.0003	mg/L	0.00033	109.50%
Zn 206.200	607.2	0.0063	mg/L	0.00078	0.0063	mg/L	0.00078	12.39%
Na 330.237	116.7	0.0736	mg/L	0.05747	0.0736	mg/L	0.05747	78.09%
Cd 226.502	15.9	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	12.16%
Ti 334.940	4.5	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	700.72%
Ca 227.546	26.3	0.0518	mg/L	0.00365	0.0518	mg/L	0.00365	7.03%

Sequence No.: 12 **Autosampler Location: 38**
Sample ID: MB-18175,18175 **Date Collected: 5/19/05 11:44:29 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 5/20/05 9:16:10 AM,**

Mean Data: MB-18175,18175

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	1147.1	0.0034	mg/L	0.00036	0.0034	mg/L	0.00036	10.75%
Al 308.215	665.4	0.0197	mg/L	0.00306	0.0197	mg/L	0.00306	15.54%
As 188.979	-1.5	-0.0009	mg/L	0.00026	-0.0009	mg/L	0.00026	29.09%
Ba 233.527	114.0	0.0013	mg/L	0.00005	0.0013	mg/L	0.00005	3.47%

Be 313.107	-82.1	0.0000 mg/L	0.00001	0.0000 mg/L	0.00001	44.22%
Co 228.616	19.2	0.0004 mg/L	0.00000	0.0004 mg/L	0.00000	0.21%
Cr 267.716	-16.0	-0.0001 mg/L	0.00001	-0.0001 mg/L	0.00001	15.65%
Cu 324.752	2642.6	0.0067 mg/L	0.00057	0.0067 mg/L	0.00057	8.49%
Fe 273.955	467.2	0.0202 mg/L	0.00089	0.0202 mg/L	0.00089	4.41%
Mg 279.077	1087.9	0.0578 mg/L	0.00483	0.0578 mg/L	0.00483	8.36%
Mn 257.610	29.7	0.0003 mg/L	0.00001	0.0003 mg/L	0.00001	5.16%
Ni 231.604	39.0	0.0005 mg/L	0.00001	0.0005 mg/L	0.00001	1.24%
Pb 220.353	2.5	0.0002 mg/L	0.00001	0.0002 mg/L	0.00001	6.61%
Sb 206.836	14.1	0.0046 mg/L	0.00044	0.0046 mg/L	0.00044	9.46%
Se 196.026	2.4	0.0010 mg/L	0.00092	0.0010 mg/L	0.00092	89.74%
Tl 190.801	-0.0	0.0000 mg/L	0.00152	0.0000 mg/L	0.00152	>999.9%
V 292.402	15.8	0.0001 mg/L	0.00029	0.0001 mg/L	0.00029	448.32%
Zn 206.200	956.5	0.0099 mg/L	0.00057	0.0099 mg/L	0.00057	5.80%
Na 330.237	-6.6	-0.0040 mg/L	0.11853	-0.0040 mg/L	0.11853	>999.9%
Cd 226.502	9.2	0.0000 mg/L	0.00003	0.0000 mg/L	0.00003	75.14%
Ti 334.940	145.4	0.0002 mg/L	0.00004	0.0002 mg/L	0.00004	21.80%
Ca 227.546	56.8	0.1119 mg/L	0.01678	0.1119 mg/L	0.01678	14.99%

5/20/05

Sequence No.: 13
Sample ID: LCS-18175,18175
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 5/19/05 11:48:38 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:11 AM,

Mean Data: LCS-18175,18175

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	390416.8	1.1470	mg/L	0.01041	1.1470	mg/L	0.01041	0.91%
Al 308.215	304911.4	8.9879	mg/L	0.07259	8.9879	mg/L	0.07259	0.81%
As 188.979	794.1	0.4661	mg/L	0.00029	0.4661	mg/L	0.00029	0.06%
Ba 233.527	818526.1	9.5046	mg/L	0.03503	9.5046	mg/L	0.03503	0.37%
Be 313.107	1424910.5	0.2301	mg/L	0.00119	0.2301	mg/L	0.00119	0.52%
Co 228.616	108660.8	2.3297	mg/L	0.02060	2.3297	mg/L	0.02060	0.88%
Cr 267.716	207121.5	0.9163	mg/L	0.00449	0.9163	mg/L	0.00449	0.49%
Cu 324.752	449321.5	1.1443	mg/L	0.01356	1.1443	mg/L	0.01356	1.19%
Fe 273.955	108299.6	4.5464	mg/L	0.02710	4.5464	mg/L	0.02710	0.60%
Mg 279.077	440307.7	23.419	mg/L	0.1697	23.419	mg/L	0.1697	0.72%
Mn 257.610	260043.1	2.3384	mg/L	0.01690	2.3384	mg/L	0.01690	0.72%
Ni 231.604	170152.7	2.3304	mg/L	0.02078	2.3304	mg/L	0.02078	0.89%
Pb 220.353	5524.5	0.4717	mg/L	0.00118	0.4717	mg/L	0.00118	0.25%
Sb 206.836	1695.4	0.5502	mg/L	0.00061	0.5502	mg/L	0.00061	0.11%
Se 196.026	1065.8	0.4575	mg/L	0.00402	0.4575	mg/L	0.00402	0.88%
Tl 190.801	982.3	0.4663	mg/L	0.00233	0.4663	mg/L	0.00233	0.50%
V 292.402	559428.2	2.3086	mg/L	0.00798	2.3086	mg/L	0.00798	0.35%
Zn 206.200	228066.1	2.3627	mg/L	0.01111	2.3627	mg/L	0.01111	0.47%
Na 330.237	35109.5	22.131	mg/L	0.2680	22.131	mg/L	0.2680	1.21%
Cd 226.502	53390.1	0.2318	mg/L	0.00062	0.2318	mg/L	0.00062	0.27%
Ti 334.940	-486.6	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	7.45%
Ca 227.546	11637.0	22.758	mg/L	0.0061	22.758	mg/L	0.0061	0.03%

Sequence No.: 14
Sample ID: D0569-01B,18175
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 5/19/05 11:52:51 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:12 AM,

Mean Data: D0569-01B,18175

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	449.4	-0.0117	mg/L	0.00006	-0.0117	mg/L	0.00006	0.55%
Al 308.215	6083.6	0.1149	mg/L	0.00302	0.1149	mg/L	0.00302	2.62%
As 188.979	14.9	0.0067	mg/L	0.00063	0.0067	mg/L	0.00063	9.37%
Ba 233.527	41679.5	0.4818	mg/L	0.00024	0.4818	mg/L	0.00024	0.05%
Be 313.107	48439.5	0.0078	mg/L	0.00004	0.0078	mg/L	0.00004	0.53%
Co 228.616	469.3	0.0098	mg/L	0.00005	0.0098	mg/L	0.00005	0.53%
Cr 267.716	2221.1	-0.0002	mg/L	0.00017	-0.0002	mg/L	0.00017	86.58%

Cu 324.752	6951.0	0.0041 mg/L	0.00478	0.0041 mg/L	0.00478	117.80%
Fe 273.955	198845.0	8.5970 mg/L	0.03849	8.5970 mg/L	0.03849	0.45%
Mg 279.077	1338674.3	71.390 mg/L	0.4877	71.390 mg/L	0.4877	0.68%
Mn 257.610	2070235.9	18.590 mg/L	0.1071	18.590 mg/L	0.1071	0.58%
Ni 231.604	4714.1	0.0639 mg/L	0.00006	0.0639 mg/L	0.00006	0.10%
Pb 220.353	52.1	0.0056 mg/L	0.00004	0.0056 mg/L	0.00004	0.80%
Sb 206.836	22.9	0.0062 mg/L	0.00056	0.0062 mg/L	0.00056	9.05%
Se 196.026	9.6	-0.0039 mg/L	0.00389	-0.0039 mg/L	0.00389	100.59%
Tl 190.801	-49.1	0.0026 mg/L	0.00094	0.0026 mg/L	0.00094	35.63%
V 292.402	20.0	0.0017 mg/L	0.00007	0.0017 mg/L	0.00007	4.39%
Zn 206.200	56499.5	0.5798 mg/L	0.00217	0.5798 mg/L	0.00217	0.37%
Na 330.237	448036.2	282.32 mg/L	0.865	282.32 mg/L	0.865	0.31%
Cd 226.502	288.6	0.0007 mg/L	0.00003	0.0007 mg/L	0.00003	3.61%
Ti 334.940	-707.8	0.0032 mg/L	0.00007	0.0032 mg/L	0.00007	2.13%
Ca 227.546	58115.6	114.71 mg/L	0.268	114.71 mg/L	0.268	0.23%

Sequence No.: 15
Sample ID: D0569-03B,18175
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 5/19/05 11:56:57 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:13 AM,

Mean Data: D0569-03B,18175

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	1347.8	-0.0108	mg/L	0.00012	-0.0108	mg/L	0.00012	1.09%
Al 308.215	8439.1	0.1816	mg/L	0.00210	0.1816	mg/L	0.00210	1.16%
As 188.979	16.2	0.0069	mg/L	0.00183	0.0069	mg/L	0.00183	26.53%
Ba 233.527	41453.5	0.4804	mg/L	0.00348	0.4804	mg/L	0.00348	0.73%
Be 313.107	10476.0	0.0017	mg/L	0.00000	0.0017	mg/L	0.00000	0.28%
Co 228.616	150.2	0.0032	mg/L	0.00003	0.0032	mg/L	0.00003	1.02%
Cr 267.716	1313.6	-0.0047	mg/L	0.00008	-0.0047	mg/L	0.00008	1.63%
Cu 324.752	5731.0	-0.0007	mg/L	0.00050	-0.0007	mg/L	0.00050	76.02%
Fe 273.955	2409.3	0.1042	mg/L	0.00034	0.1042	mg/L	0.00034	0.33%
Mg 279.077	1262974.9	67.385	mg/L	0.4752	67.385	mg/L	0.4752	0.71%
Mn 257.610	2168369.6	19.467	mg/L	0.1113	19.467	mg/L	0.1113	0.57%
Ni 231.604	4140.7	0.0568	mg/L	0.00003	0.0568	mg/L	0.00003	0.05%
Pb 220.353	-5.5	0.0005	mg/L	0.00002	0.0005	mg/L	0.00002	4.50%
Sb 206.836	21.4	0.0067	mg/L	0.00008	0.0067	mg/L	0.00008	1.26%
Se 196.026	17.3	-0.0032	mg/L	0.00069	-0.0032	mg/L	0.00069	21.37%
Tl 190.801	-55.6	0.0008	mg/L	0.00103	0.0008	mg/L	0.00103	132.31%
V 292.402	-172.4	0.0008	mg/L	0.00000	0.0008	mg/L	0.00000	0.60%
Zn 206.200	43881.0	0.4491	mg/L	0.00089	0.4491	mg/L	0.00089	0.20%
Na 330.237	429267.2	270.48	mg/L	2.017	270.48	mg/L	2.017	0.75%
Cd 226.502	16.9	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	21.89%
Ti 334.940	-2128.4	0.0015	mg/L	0.00008	0.0015	mg/L	0.00008	5.43%
Ca 227.546	60176.2	118.89	mg/L	0.968	118.89	mg/L	0.968	0.81%

Sequence No.: 16
Sample ID: D0569-03BSD,18175
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 5/19/05 12:01:03 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:13 AM,

Mean Data: D0569-03BSD,18175

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	358.7	-0.0018	mg/L	0.00008	-0.0018	mg/L	0.00008	4.37%
Al 308.215	2049.8	0.0457	mg/L	0.00110	0.0457	mg/L	0.00110	2.41%
As 188.979	2.5	0.0009	mg/L	0.00140	0.0009	mg/L	0.00140	153.07%
Ba 233.527	8674.6	0.1005	mg/L	0.00007	0.1005	mg/L	0.00007	0.07%
Be 313.107	2144.1	0.0003	mg/L	0.00001	0.0003	mg/L	0.00001	2.52%
Co 228.616	32.2	0.0007	mg/L	0.00007	0.0007	mg/L	0.00007	9.77%
Cr 267.716	267.7	-0.0011	mg/L	0.00004	-0.0011	mg/L	0.00004	3.23%
Cu 324.752	1194.1	-0.0003	mg/L	0.00011	-0.0003	mg/L	0.00011	35.00%
Fe 273.955	327.4	0.0142	mg/L	0.00088	0.0142	mg/L	0.00088	6.21%
Mg 279.077	267240.3	14.261	mg/L	0.0102	14.261	mg/L	0.0102	0.07%

Mn 257.610	476980.7	4.2821 mg/L	0.00303	4.2821 mg/L	0.00303	0.07%
Ni 231.604	881.4	0.0121 mg/L	0.00011	0.0121 mg/L	0.00011	0.87%
Pb 220.353	-12.6	-0.0009 mg/L	0.00040	-0.0009 mg/L	0.00040	45.16%
Sb 206.836	6.7	0.0021 mg/L	0.00011	0.0021 mg/L	0.00011	5.04%
Se 196.026	3.1	-0.0011 mg/L	0.00072	-0.0011 mg/L	0.00072	67.64%
Tl 190.801	-14.7	-0.0010 mg/L	0.00051	-0.0010 mg/L	0.00051	50.45%
V 292.402	-5.7	0.0003 mg/L	0.00036	0.0003 mg/L	0.00036	116.92%
Zn 206.200	9539.6	0.0977 mg/L	0.00035	0.0977 mg/L	0.00035	0.36%
Na 330.237	73469.6	46.291 mg/L	0.0679	46.291 mg/L	0.0679	0.15%
Cd 226.502	1.7	0.0000 mg/L	0.00002	0.0000 mg/L	0.00002	176.22%
Ti 334.940	-420.3	0.0003 mg/L	0.00000	0.0003 mg/L	0.00000	1.40%
Ca 227.546	11860.6	23.430 mg/L	0.2754	23.430 mg/L	0.2754	1.18%

Sequence No.: 17
Sample ID: D0566-03C,18175
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 5/19/05 12:05:07 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:14 AM,

Mean Data: D0566-03C,18175

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	999.2	0.0005	mg/L	0.00011	0.0005	mg/L	0.00011	24.27%
Al 308.215	718.0	0.0211	mg/L	0.00037	0.0211	mg/L	0.00037	1.73%
As 188.979	-1.7	-0.0010	mg/L	0.00146	-0.0010	mg/L	0.00146	143.77%
Ba 233.527	5966.7	0.0691	mg/L	0.00033	0.0691	mg/L	0.00033	0.47%
Be 313.107	73.3	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	56.55%
Co 228.616	25.1	0.0005	mg/L	0.00007	0.0005	mg/L	0.00007	12.32%
Cr 267.716	361.1	0.0016	mg/L	0.00010	0.0016	mg/L	0.00010	6.24%
Cu 324.752	962.6	0.0023	mg/L	0.00008	0.0023	mg/L	0.00008	3.36%
Fe 273.955	543.0	0.0235	mg/L	0.00005	0.0235	mg/L	0.00005	0.22%
Mg 279.077	80773.1	4.2883	mg/L	0.07271	4.2883	mg/L	0.07271	1.70%
Mn 257.610	5283.2	0.0473	mg/L	0.00003	0.0473	mg/L	0.00003	0.05%
Ni 231.604	259.6	0.0036	mg/L	0.00004	0.0036	mg/L	0.00004	0.99%
Pb 220.353	-26.9	-0.0019	mg/L	0.00008	-0.0019	mg/L	0.00008	3.91%
Sb 206.836	8.5	0.0028	mg/L	0.00099	0.0028	mg/L	0.00099	35.42%
Se 196.026	5.3	0.0026	mg/L	0.00035	0.0026	mg/L	0.00035	13.19%
Tl 190.801	-4.8	-0.0020	mg/L	0.00043	-0.0020	mg/L	0.00043	21.48%
V 292.402	52.8	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	22.81%
Zn 206.200	1835.0	0.0187	mg/L	0.00052	0.0187	mg/L	0.00052	2.76%
Na 330.237	41904.1	26.398	mg/L	0.3405	26.398	mg/L	0.3405	1.29%
Cd 226.502	2.4	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	182.41%
Ti 334.940	-527.3	0.0000	mg/L	0.00012	0.0000	mg/L	0.00012	>999.9%
Ca 227.546	9877.2	19.529	mg/L	0.1378	19.529	mg/L	0.1378	0.71%

Sequence No.: 18
Sample ID: D0566-03CDUP,18175
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 5/19/05 12:09:11 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:15 AM,

Mean Data: D0566-03CDUP,18175

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	921.3	0.0003	mg/L	0.00006	0.0003	mg/L	0.00006	19.93%
Al 308.215	582.1	0.0171	mg/L	0.00244	0.0171	mg/L	0.00244	14.26%
As 188.979	-0.7	-0.0005	mg/L	0.00136	-0.0005	mg/L	0.00136	289.97%
Ba 233.527	5789.2	0.0671	mg/L	0.00024	0.0671	mg/L	0.00024	0.36%
Be 313.107	99.3	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	82.65%
Co 228.616	23.7	0.0005	mg/L	0.00012	0.0005	mg/L	0.00012	23.04%
Cr 267.716	352.1	0.0015	mg/L	0.00026	0.0015	mg/L	0.00026	16.76%
Cu 324.752	676.3	0.0016	mg/L	0.00036	0.0016	mg/L	0.00036	22.24%
Fe 273.955	906.6	0.0392	mg/L	0.00063	0.0392	mg/L	0.00063	1.60%
Mg 279.077	78494.4	4.1673	mg/L	0.01488	4.1673	mg/L	0.01488	0.36%
Mn 257.610	5067.4	0.0454	mg/L	0.00008	0.0454	mg/L	0.00008	0.17%
Ni 231.604	251.4	0.0034	mg/L	0.00007	0.0034	mg/L	0.00007	1.96%
Pb 220.353	-23.0	-0.0016	mg/L	0.00003	-0.0016	mg/L	0.00003	2.01%

Sb 206.836	9.5	0.0031 mg/L	0.00020	0.0031 mg/L	0.00020	6.46%
Se 196.026	1.0	0.0008 mg/L	0.00034	0.0008 mg/L	0.00034	44.34%
Tl 190.801	-3.4	-0.0014 mg/L	0.00061	-0.0014 mg/L	0.00061	44.14%
V 292.402	39.4	0.0002 mg/L	0.00018	0.0002 mg/L	0.00018	97.35%
Zn 206.200	1718.4	0.0175 mg/L	0.00040	0.0175 mg/L	0.00040	2.28%
Na 330.237	40508.2	25.519 mg/L	0.0862	25.519 mg/L	0.0862	0.34%
Cd 226.502	2.5	0.0000 mg/L	0.00003	0.0000 mg/L	0.00003	371.97%
Ti 334.940	-567.2	-0.0001 mg/L	0.00005	-0.0001 mg/L	0.00005	62.76%
Ca 227.546	9616.6	19.014 mg/L	0.0263	19.014 mg/L	0.0263	0.14%

Sequence No.: 19
Sample ID: CCV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/19/05 12:18:54 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:16 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	412225.7	1.2111	mg/L	0.00269	1.2111	mg/L	0.00269	0.22%
Al 308.215	326762.6	9.6313	mg/L	0.00068	9.6313	mg/L	0.00068	0.01%
As 188.979	859.5	0.5046	mg/L	0.00005	0.5046	mg/L	0.00005	0.01%
Ba 233.527	897138.7	10.417	mg/L	0.0613	10.417	mg/L	0.0613	0.59%
Be 313.107	1562450.8	0.2523	mg/L	0.00124	0.2523	mg/L	0.00124	0.49%
Co 228.616	117618.8	2.5218	mg/L	0.00452	2.5218	mg/L	0.00452	0.18%
Cr 267.716	224858.6	0.9948	mg/L	0.00067	0.9948	mg/L	0.00067	0.07%
Cu 324.752	486157.7	1.2381	mg/L	0.01069	1.2381	mg/L	0.01069	0.86%
Fe 273.955	117101.6	4.9149	mg/L	0.00732	4.9149	mg/L	0.00732	0.15%
Mg 279.077	473176.0	25.167	mg/L	0.0316	25.167	mg/L	0.0316	0.13%
Mn 257.610	280213.8	2.5198	mg/L	0.00245	2.5198	mg/L	0.00245	0.10%
Ni 231.604	183922.1	2.5190	mg/L	0.01042	2.5190	mg/L	0.01042	0.41%
Pb 220.353	5881.3	0.5022	mg/L	0.00248	0.5022	mg/L	0.00248	0.49%
Sb 206.836	1635.0	0.5301	mg/L	0.00568	0.5301	mg/L	0.00568	1.07%
Se 196.026	1158.1	0.4971	mg/L	0.00113	0.4971	mg/L	0.00113	0.23%
Tl 190.801	1060.3	0.5033	mg/L	0.00509	0.5033	mg/L	0.00509	1.01%
V 292.402	608990.7	2.5131	mg/L	0.01157	2.5131	mg/L	0.01157	0.46%
Zn 206.200	245332.7	2.5416	mg/L	0.00281	2.5416	mg/L	0.00281	0.11%
Na 330.237	37609.0	23.707	mg/L	0.0214	23.707	mg/L	0.0214	0.09%
Cd 226.502	57402.9	0.2493	mg/L	0.00010	0.2493	mg/L	0.00010	0.04%
Ti 334.940	-181.7	0.0005	mg/L	0.00005	0.0005	mg/L	0.00005	9.19%
Ca 227.546	12595.6	24.633	mg/L	0.0322	24.633	mg/L	0.0322	0.13%

Sequence No.: 20
Sample ID: CCB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/19/05 12:23:07 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:16 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	232.0	0.0007	mg/L	0.00001	0.0007	mg/L	0.00001	1.95%
Al 308.215	599.1	0.0177	mg/L	0.00151	0.0177	mg/L	0.00151	8.50%
As 188.979	0.4	0.0002	mg/L	0.00130	0.0002	mg/L	0.00130	592.56%
Ba 233.527	99.3	0.0012	mg/L	0.00004	0.0012	mg/L	0.00004	3.17%
Be 313.107	80.8	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	17.32%
Co 228.616	19.9	0.0004	mg/L	0.00001	0.0004	mg/L	0.00001	3.17%
Cr 267.716	72.3	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	8.92%
Cu 324.752	1366.3	0.0035	mg/L	0.00041	0.0035	mg/L	0.00041	11.86%
Fe 273.955	237.5	0.0103	mg/L	0.01420	0.0103	mg/L	0.01420	138.28%
Mg 279.077	53.2	0.0028	mg/L	0.00414	0.0028	mg/L	0.00414	146.45%
Mn 257.610	-11.3	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	28.29%
Ni 231.604	38.0	0.0005	mg/L	0.00000	0.0005	mg/L	0.00000	0.07%
Pb 220.353	1.1	0.0001	mg/L	0.00074	0.0001	mg/L	0.00074	773.28%
Sb 206.836	28.1	0.0092	mg/L	0.00094	0.0092	mg/L	0.00094	10.16%
Se 196.026	0.8	0.0004	mg/L	0.00163	0.0004	mg/L	0.00163	447.03%
Tl 190.801	5.0	0.0024	mg/L	0.00292	0.0024	mg/L	0.00292	122.80%

V 292.402	8.2	0.0000 mg/L	0.00028	0.0000 mg/L	0.00028	807.93%
Zn 206.200	745.4	0.0077 mg/L	0.00087	0.0077 mg/L	0.00087	11.32%
Na 330.237	104.2	0.0658 mg/L	0.14930	0.0658 mg/L	0.14930	227.00%
Cd 226.502	-2.3	0.0000 mg/L	0.00004	0.0000 mg/L	0.00004	359.85%
Ti 334.940	33.1	0.0000 mg/L	0.00012	0.0000 mg/L	0.00012	267.43%
Ca 227.546	5.0	0.0097 mg/L	0.02690	0.0097 mg/L	0.02690	276.87%

Sequence No.: 21
Sample ID: MB-18177,18177
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 5/19/05 12:27:14 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:17 AM,

Mean Data: MB-18177,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	313.2	0.0009	mg/L	0.00013	0.0009	mg/L	0.00013	14.21%
Al 308.215	571.3	0.0169	mg/L	0.00391	0.0169	mg/L	0.00391	23.11%
As 188.979	-2.5	-0.0015	mg/L	0.00087	-0.0015	mg/L	0.00087	58.86%
Ba 233.527	93.7	0.0011	mg/L	0.00010	0.0011	mg/L	0.00010	9.23%
Be 313.107	57.9	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	115.32%
Co 228.616	11.7	0.0002	mg/L	0.00007	0.0002	mg/L	0.00007	26.12%
Cr 267.716	77.3	0.0003	mg/L	0.00018	0.0003	mg/L	0.00018	54.18%
Cu 324.752	1834.8	0.0047	mg/L	0.00051	0.0047	mg/L	0.00051	10.89%
Fe 273.955	604.5	0.0261	mg/L	0.00058	0.0261	mg/L	0.00058	2.23%
Mg 279.077	80.9	0.0043	mg/L	0.00092	0.0043	mg/L	0.00092	21.23%
Mn 257.610	99.7	0.0009	mg/L	0.00004	0.0009	mg/L	0.00004	4.69%
Ni 231.604	46.9	0.0006	mg/L	0.00001	0.0006	mg/L	0.00001	1.83%
Pb 220.353	-6.2	-0.0005	mg/L	0.00048	-0.0005	mg/L	0.00048	94.27%
Sb 206.836	16.5	0.0054	mg/L	0.00037	0.0054	mg/L	0.00037	6.87%
Se 196.026	5.7	0.0025	mg/L	0.00042	0.0025	mg/L	0.00042	17.30%
Tl 190.801	0.9	0.0004	mg/L	0.00101	0.0004	mg/L	0.00101	225.05%
V 292.402	-23.1	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	87.94%
Zn 206.200	1879.6	0.0195	mg/L	0.00040	0.0195	mg/L	0.00040	2.06%
Na 330.237	152.6	0.0964	mg/L	0.06227	0.0964	mg/L	0.06227	64.61%
Cd 226.502	-12.3	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	9.25%
Ti 334.940	221.7	0.0003	mg/L	0.00001	0.0003	mg/L	0.00001	3.50%
Ca 227.546	53.7	0.1057	mg/L	0.02320	0.1057	mg/L	0.02320	21.95%

Sequence No.: 22
Sample ID: LCS-18177,18177
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 5/19/05 12:31:19 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:18 AM,

Mean Data: LCS-18177,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	154358.9	0.4584	mg/L	0.00376	0.4584	mg/L	0.00376	0.82%
Al 308.215	1101755.7	32.611	mg/L	0.0071	32.611	mg/L	0.0071	0.02%
As 188.979	950.1	0.5576	mg/L	0.00569	0.5576	mg/L	0.00569	1.02%
Ba 233.527	91910.2	1.0602	mg/L	0.00886	1.0602	mg/L	0.00886	0.84%
Be 313.107	1920024.7	0.3117	mg/L	0.00161	0.3117	mg/L	0.00161	0.52%
Co 228.616	15382.6	0.3267	mg/L	0.00217	0.3267	mg/L	0.00217	0.66%
Cr 267.716	173435.8	0.7671	mg/L	0.00827	0.7671	mg/L	0.00827	1.08%
Cu 324.752	208393.6	0.5339	mg/L	0.00679	0.5339	mg/L	0.00679	1.27%
Fe 273.955	1056703.8	45.666	mg/L	0.0576	45.666	mg/L	0.0576	0.13%
Mg 279.077	226037.2	12.052	mg/L	0.0905	12.052	mg/L	0.0905	0.75%
Mn 257.610	180777.6	1.6511	mg/L	0.01243	1.6511	mg/L	0.01243	0.75%
Ni 231.604	60931.2	0.8283	mg/L	0.00373	0.8283	mg/L	0.00373	0.45%
Pb 220.353	9654.1	0.8266	mg/L	0.00527	0.8266	mg/L	0.00527	0.64%
Sb 206.836	600.5	0.1813	mg/L	0.00075	0.1813	mg/L	0.00075	0.42%
Se 196.026	1031.3	0.4564	mg/L	0.00051	0.4564	mg/L	0.00051	0.11%
Tl 190.801	1008.8	0.4801	mg/L	0.00183	0.4801	mg/L	0.00183	0.38%
V 292.402	82909.5	0.3435	mg/L	0.00336	0.3435	mg/L	0.00336	0.98%
Zn 206.200	96430.4	0.9985	mg/L	0.01068	0.9985	mg/L	0.01068	1.07%
Na 330.237	7218.1	5.3214	mg/L	0.10499	5.3214	mg/L	0.10499	1.97%

Cd 226.502	130188.9	0.5619 mg/L	0.00463	0.5619 mg/L	0.00463	0.82%
Ti 334.940	900643.7	1.2192 mg/L	0.00956	1.2192 mg/L	0.00956	0.78%
Ca 227.546	10102.0	19.335 mg/L	0.1690	19.335 mg/L	0.1690	0.87%

Sequence No.: 23 SD
Sample ID: D0523-01A,18177
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 5/19/05 12:35:33 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:19 AM,

SD

Mean Data: D0523-01A,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-741.4	-0.0003	mg/L	0.00013	-0.0003	mg/L	0.00013	46.70%
Al 308.215	431695.8	12.783	mg/L	0.0196	12.783	mg/L	0.0196	0.15%
As 188.979	21.5	0.0136	mg/L	0.00045	0.0136	mg/L	0.00045	3.28%
Ba 233.527	16338.4	0.1850	mg/L	0.00113	0.1850	mg/L	0.00113	0.61%
Be 313.107	3824.9	0.0007	mg/L	0.00001	0.0007	mg/L	0.00001	1.48%
Co 228.616	688.1	0.0139	mg/L	0.00001	0.0139	mg/L	0.00001	0.07%
Cr 267.716	4455.6	0.0194	mg/L	0.00000	0.0194	mg/L	0.00000	0.01%
Cu 324.752	9900.6	0.0280	mg/L	0.00030	0.0280	mg/L	0.00030	1.07%
Fe 273.955	708114.5	30.614	mg/L	0.0133	30.614	mg/L	0.0133	0.04%
Mg 279.077	178390.9	9.4897	mg/L	0.00406	9.4897	mg/L	0.00406	0.04%
Mn 257.610	65138.9	0.6029	mg/L	0.00036	0.6029	mg/L	0.00036	0.06%
Ni 231.604	2459.2	0.0309	mg/L	0.00003	0.0309	mg/L	0.00003	0.11%
Pb 220.353	381.9	0.0361	mg/L	0.00017	0.0361	mg/L	0.00017	0.47%
Sb 206.836	34.1	0.0052	mg/L	0.00002	0.0052	mg/L	0.00002	0.34%
Se 196.026	-31.1	-0.0043	mg/L	0.00047	-0.0043	mg/L	0.00047	10.82%
Tl 190.801	1.5	0.0008	mg/L	0.00018	0.0008	mg/L	0.00018	21.65%
V 292.402	4053.9	0.0171	mg/L	0.00002	0.0171	mg/L	0.00002	0.14%
Zn 206.200	8887.3	0.0913	mg/L	0.00036	0.0913	mg/L	0.00036	0.39%
Na 330.237	200.0	0.1850	mg/L	0.04083	0.1850	mg/L	0.04083	22.07%
Cd 226.502	566.5	0.0005	mg/L	0.00006	0.0005	mg/L	0.00006	11.74%
Ti 334.940	33809.0	0.0465	mg/L	0.00015	0.0465	mg/L	0.00015	0.32%
Ca 227.546	10174.0	19.725	mg/L	0.1958	19.725	mg/L	0.1958	0.99%

Sequence No.: 24
Sample ID: D0523-01ASD,18177
Analyst:
Sample Wt:
Dilution: DF 5/26/05

Autosampler Location: 51
Date Collected: 5/19/05 12:39:40 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:19 AM,

Mean Data: D0523-01ASD,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-4160.6	-0.0036	mg/L	0.00026	-0.0036	mg/L	0.00026	7.28%
Al 308.215	2251501.9	66.670	mg/L	0.4684	66.670	mg/L	0.4684	0.70%
As 188.979	123.0	0.0764	mg/L	0.00021	0.0764	mg/L	0.00021	0.28%
Ba 233.527	80867.5	0.9163	mg/L	0.00555	0.9163	mg/L	0.00555	0.61%
Be 313.107	17803.9	0.0032	mg/L	0.00003	0.0032	mg/L	0.00003	0.93%
Co 228.616	3377.9	0.0684	mg/L	0.00022	0.0684	mg/L	0.00022	0.32%
Cr 267.716	22068.9	0.0961	mg/L	0.00085	0.0961	mg/L	0.00085	0.88%
Cu 324.752	48833.4	0.1374	mg/L	0.00127	0.1374	mg/L	0.00127	0.92%
Fe 273.955	3405172.1	147.22	mg/L	0.919	147.22	mg/L	0.919	0.62%
Mg 279.077	868920.7	46.224	mg/L	0.2647	46.224	mg/L	0.2647	0.57%
Mn 257.610	323051.3	2.9877	mg/L	0.01682	2.9877	mg/L	0.01682	0.56%
Ni 231.604	11836.3	0.1487	mg/L	0.00064	0.1487	mg/L	0.00064	0.43%
Pb 220.353	1911.9	0.1815	mg/L	0.00051	0.1815	mg/L	0.00051	0.28%
Sb 206.836	120.5	0.0098	mg/L	0.00115	0.0098	mg/L	0.00115	11.79%
Se 196.026	-143.0	-0.0172	mg/L	0.00042	-0.0172	mg/L	0.00042	2.44%
Tl 190.801	-3.8	-0.0015	mg/L	0.00066	-0.0015	mg/L	0.00066	45.35%
V 292.402	20835.6	0.0880	mg/L	0.00112	0.0880	mg/L	0.00112	1.27%
Zn 206.200	41953.2	0.4307	mg/L	0.00387	0.4307	mg/L	0.00387	0.90%
Na 330.237	1705.4	1.3598	mg/L	0.06712	1.3598	mg/L	0.06712	4.94%
Cd 226.502	2673.1	0.0021	mg/L	0.00009	0.0021	mg/L	0.00009	4.44%
Ti 334.940	172134.2	0.2367	mg/L	0.00120	0.2367	mg/L	0.00120	0.51%
Ca 227.546	52708.1	102.34	mg/L	0.688	102.34	mg/L	0.688	0.67%

Sequence No.: 25
Sample ID: D0529-01B,18177
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 5/19/05 12:43:51 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:20 AM,

Mean Data: D0529-01B,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-2705.9	-0.0268	mg/L	0.00000	-0.0268	mg/L	0.00000	0.00%
Al 308.215	1246983.1	36.918	mg/L	0.2305	36.918	mg/L	0.2305	0.62%
As 188.979	125.3	0.0767	mg/L	0.00036	0.0767	mg/L	0.00036	0.46%
Ba 233.527	32704.2	0.3623	mg/L	0.00158	0.3623	mg/L	0.00158	0.44%
Be 313.107	7379.4	0.0015	mg/L	0.00000	0.0015	mg/L	0.00000	0.25%
Co 228.616	1608.3	0.0315	mg/L	0.00008	0.0315	mg/L	0.00008	0.27%
Cr 267.716	12391.0	0.0531	mg/L	0.00021	0.0531	mg/L	0.00021	0.40%
Cu 324.752	51895.9	0.1400	mg/L	0.00017	0.1400	mg/L	0.00017	0.12%
Fe 273.955	2431017.8	105.10	mg/L	0.475	105.10	mg/L	0.475	0.45%
Mg 279.077	904617.9	48.110	mg/L	0.1790	48.110	mg/L	0.1790	0.37%
Mn 257.610	354432.6	3.2425	mg/L	0.01243	3.2425	mg/L	0.01243	0.38%
Ni 231.604	5837.6	0.0703	mg/L	0.00027	0.0703	mg/L	0.00027	0.39%
Pb 220.353	552.2	0.0614	mg/L	0.00032	0.0614	mg/L	0.00032	0.52%
Sb 206.836	79.0	0.0071	mg/L	0.00070	0.0071	mg/L	0.00070	9.86%
Se 196.026	-109.6	-0.0141	mg/L	0.00382	-0.0141	mg/L	0.00382	27.15%
Tl 190.801	-6.1	0.0014	mg/L	0.00186	0.0014	mg/L	0.00186	137.42%
V 292.402	16124.2	0.0680	mg/L	0.00082	0.0680	mg/L	0.00082	1.20%
Zn 206.200	31551.2	0.3224	mg/L	0.00076	0.3224	mg/L	0.00076	0.24%
Na 330.237	1494.8	1.0835	mg/L	0.01764	1.0835	mg/L	0.01764	1.63%
Cd 226.502	1941.6	0.0016	mg/L	0.00010	0.0016	mg/L	0.00010	6.13%
Ti 334.940	173337.4	0.2438	mg/L	0.00124	0.2438	mg/L	0.00124	0.51%
Ca 227.546	128255.1	252.24	mg/L	1.677	252.24	mg/L	1.677	0.66%

Sequence No.: 26
Sample ID: CRI
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/19/05 12:48:02 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:21 AM,

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	7377.9	0.0217	mg/L	0.00023	0.0217	mg/L	0.00023	1.06%
Al 308.215	1111.0	0.0313	mg/L	0.01039	0.0313	mg/L	0.01039	33.23%
As 188.979	34.5	0.0202	mg/L	0.00042	0.0202	mg/L	0.00042	2.06%
Ba 233.527	97.0	0.0011	mg/L	0.00009	0.0011	mg/L	0.00009	8.49%
Be 313.107	62236.1	0.0101	mg/L	0.00003	0.0101	mg/L	0.00003	0.28%
Co 228.616	4958.4	0.1063	mg/L	0.00025	0.1063	mg/L	0.00025	0.24%
Cr 267.716	4606.9	0.0204	mg/L	0.00010	0.0204	mg/L	0.00010	0.48%
Cu 324.752	20032.4	0.0511	mg/L	0.00026	0.0511	mg/L	0.00026	0.51%
Fe 273.955	933.4	0.0343	mg/L	0.01332	0.0343	mg/L	0.01332	38.82%
Mg 279.077	397.9	0.0219	mg/L	0.01813	0.0219	mg/L	0.01813	82.83%
Mn 257.610	3629.6	0.0326	mg/L	0.00028	0.0326	mg/L	0.00028	0.87%
Ni 231.604	6319.7	0.0866	mg/L	0.00090	0.0866	mg/L	0.00090	1.04%
Pb 220.353	73.1	0.0063	mg/L	0.00046	0.0063	mg/L	0.00046	7.27%
Sb 206.836	314.1	0.1028	mg/L	0.01002	0.1028	mg/L	0.01002	9.75%
Se 196.026	27.4	0.0117	mg/L	0.00071	0.0117	mg/L	0.00071	6.01%
Tl 190.801	44.0	0.0208	mg/L	0.00129	0.0208	mg/L	0.00129	6.18%
V 292.402	24823.9	0.1024	mg/L	0.00031	0.1024	mg/L	0.00031	0.30%
Zn 206.200	5131.0	0.0532	mg/L	0.00037	0.0532	mg/L	0.00037	0.70%
Na 330.237	215.3	0.1364	mg/L	0.10161	0.1364	mg/L	0.10161	74.51%
Cd 226.502	2428.5	0.0106	mg/L	0.00002	0.0106	mg/L	0.00002	0.22%
Ti 334.940	151.7	0.0002	mg/L	0.00010	0.0002	mg/L	0.00010	48.19%
Ca 227.546	69.7	0.1295	mg/L	0.05103	0.1295	mg/L	0.05103	39.41%

Sequence No.: 27

Autosampler Location: 5

Sample ID: ICSA
Analyst:
Sample Wt:
Dilution:

Date Collected: 5/19/05 12:52:12 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:21 AM,

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-4910.7	0.0032	mg/L	0.00112	0.0032	mg/L	0.00112	34.99%
Al 308.215	15904095.9	471.03	mg/L	4.131	471.03	mg/L	4.131	0.88%
As 188.979	47.8	0.0018	mg/L	0.00143	0.0018	mg/L	0.00143	80.70%
Ba 233.527	2381.2	-0.0043	mg/L	0.00026	-0.0043	mg/L	0.00026	6.03%
Be 313.107	-371.2	-0.0001	mg/L	0.00000	-0.0001	mg/L	0.00000	3.69%
Co 228.616	128.6	-0.0014	mg/L	0.00010	-0.0014	mg/L	0.00010	6.82%
Cr 267.716	246.1	0.0012	mg/L	0.00005	0.0012	mg/L	0.00005	3.90%
Cu 324.752	-6319.5	-0.0042	mg/L	0.00068	-0.0042	mg/L	0.00068	16.14%
Fe 273.955	3902340.1	168.72	mg/L	1.068	168.72	mg/L	1.068	0.63%
Mg 279.077	8611188.5	457.14	mg/L	3.204	457.14	mg/L	3.204	0.70%
Mn 257.610	-13234.5	0.0116	mg/L	0.00176	0.0116	mg/L	0.00176	15.23%
Ni 231.604	273.7	-0.0112	mg/L	0.00006	-0.0112	mg/L	0.00006	0.50%
Pb 220.353	-1359.0	-0.0013	mg/L	0.00142	-0.0013	mg/L	0.00142	105.78%
Sb 206.836	414.9	0.0314	mg/L	0.00067	0.0314	mg/L	0.00067	2.14%
Se 196.026	-250.5	-0.0023	mg/L	0.00122	-0.0023	mg/L	0.00122	52.82%
Tl 190.801	58.4	0.0008	mg/L	0.00106	0.0008	mg/L	0.00106	137.25%
V 292.402	-831.4	-0.0002	mg/L	0.00015	-0.0002	mg/L	0.00015	69.68%
Zn 206.200	2069.1	-0.0019	mg/L	0.00007	-0.0019	mg/L	0.00007	3.75%
Na 330.237	-311.1	-0.3747	mg/L	0.02098	-0.3747	mg/L	0.02098	5.60%
Cd 226.502	3054.1	0.0037	mg/L	0.00012	0.0037	mg/L	0.00012	3.33%
Ti 334.940	-15235.7	-0.0032	mg/L	0.00002	-0.0032	mg/L	0.00002	0.47%
Ca 227.546	241991.9	476.56	mg/L	0.718	476.56	mg/L	0.718	0.15%

Sequence No.: 28
Sample ID: ICSAB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/19/05 12:56:27 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:22 AM,

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	62358.4	0.2011	mg/L	0.00232	0.2011	mg/L	0.00232	1.15%
Al 308.215	15901453.7	470.95	mg/L	3.245	470.95	mg/L	3.245	0.69%
As 188.979	204.4	0.0952	mg/L	0.00094	0.0952	mg/L	0.00094	0.99%
Ba 233.527	43308.5	0.4707	mg/L	0.00635	0.4707	mg/L	0.00635	1.35%
Be 313.107	2833099.3	0.4575	mg/L	0.00496	0.4575	mg/L	0.00496	1.08%
Co 228.616	20875.4	0.4434	mg/L	0.00158	0.4434	mg/L	0.00158	0.36%
Cr 267.716	101719.3	0.4504	mg/L	0.00653	0.4504	mg/L	0.00653	1.45%
Cu 324.752	176751.1	0.4622	mg/L	0.00464	0.4622	mg/L	0.00464	1.00%
Fe 273.955	3906318.6	168.86	mg/L	1.225	168.86	mg/L	1.225	0.73%
Mg 279.077	8620927.8	457.66	mg/L	2.788	457.66	mg/L	2.788	0.61%
Mn 257.610	38374.5	0.4753	mg/L	0.00635	0.4753	mg/L	0.00635	1.34%
Ni 231.604	63576.4	0.8561	mg/L	0.01272	0.8561	mg/L	0.01272	1.49%
Pb 220.353	-858.7	0.0416	mg/L	0.00108	0.0416	mg/L	0.00108	2.60%
Sb 206.836	2466.6	0.7005	mg/L	0.00253	0.7005	mg/L	0.00253	0.36%
Se 196.026	-132.6	0.0478	mg/L	0.00232	0.0478	mg/L	0.00232	4.85%
Tl 190.801	238.6	0.0863	mg/L	0.00119	0.0863	mg/L	0.00119	1.38%
V 292.402	110563.2	0.4599	mg/L	0.00738	0.4599	mg/L	0.00738	1.61%
Zn 206.200	84429.9	0.8521	mg/L	0.00595	0.8521	mg/L	0.00595	0.70%
Na 330.237	2504.6	1.4060	mg/L	0.01531	1.4060	mg/L	0.01531	1.09%
Cd 226.502	200750.1	0.8614	mg/L	0.01116	0.8614	mg/L	0.01116	1.30%
Ti 334.940	-15227.6	-0.0033	mg/L	0.00004	-0.0033	mg/L	0.00004	1.35%
Ca 227.546	241617.6	475.76	mg/L	9.034	475.76	mg/L	9.034	1.90%

Sequence No.: 29
Sample ID: CCV
Analyst:
Sample Wt:

Autosampler Location: 3
Date Collected: 5/19/05 1:00:45 PM

Sample Prep Volume:

Dilution: Data Type: Reprocessed on 5/20/05 9:16:23 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	415130.8	1.2196	mg/L	0.00315	1.2196	mg/L	0.00315	0.26%
Al 308.215	337857.4	9.9588	mg/L	0.03447	9.9588	mg/L	0.03447	0.35%
As 188.979	883.6	0.5186	mg/L	0.00235	0.5186	mg/L	0.00235	0.45%
Ba 233.527	917069.7	10.649	mg/L	0.0500	10.649	mg/L	0.0500	0.47%
Be 313.107	1598519.8	0.2582	mg/L	0.00079	0.2582	mg/L	0.00079	0.31%
Co 228.616	120420.7	2.5819	mg/L	0.00022	2.5819	mg/L	0.00022	0.01%
Cr 267.716	230385.6	1.0192	mg/L	0.00293	1.0192	mg/L	0.00293	0.29%
Cu 324.752	505217.0	1.2867	mg/L	0.00502	1.2867	mg/L	0.00502	0.39%
Fe 273.955	121108.4	5.0846	mg/L	0.01517	5.0846	mg/L	0.01517	0.30%
Mg 279.077	488573.7	25.986	mg/L	0.0746	25.986	mg/L	0.0746	0.29%
Mn 257.610	287506.6	2.5854	mg/L	0.00335	2.5854	mg/L	0.00335	0.13%
Ni 231.604	188906.1	2.5873	mg/L	0.00037	2.5873	mg/L	0.00037	0.01%
Pb 220.353	6005.2	0.5128	mg/L	0.00177	0.5128	mg/L	0.00177	0.34%
Sb 206.836	1698.5	0.5507	mg/L	0.00791	0.5507	mg/L	0.00791	1.44%
Se 196.026	1198.7	0.5145	mg/L	0.00300	0.5145	mg/L	0.00300	0.58%
Tl 190.801	1079.0	0.5122	mg/L	0.00281	0.5122	mg/L	0.00281	0.55%
V 292.402	623680.4	2.5738	mg/L	0.00863	2.5738	mg/L	0.00863	0.34%
Zn 206.200	252694.5	2.6179	mg/L	0.00403	2.6179	mg/L	0.00403	0.15%
Na 330.237	38514.8	24.278	mg/L	0.1359	24.278	mg/L	0.1359	0.56%
Cd 226.502	58845.0	0.2555	mg/L	0.00157	0.2555	mg/L	0.00157	0.62%
Ti 334.940	-153.8	0.0006	mg/L	0.00004	0.0006	mg/L	0.00004	6.74%
Ca 227.546	13026.1	25.476	mg/L	0.1454	25.476	mg/L	0.1454	0.57%

Sequence No.: 30
Sample ID: CCB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/19/05 1:04:57 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:24 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	246.5	0.0007	mg/L	0.00013	0.0007	mg/L	0.00013	17.41%
Al 308.215	1068.1	0.0316	mg/L	0.00354	0.0316	mg/L	0.00354	11.19%
As 188.979	-0.1	0.0000	mg/L	0.00016	0.0000	mg/L	0.00016	472.50%
Ba 233.527	101.4	0.0012	mg/L	0.00033	0.0012	mg/L	0.00033	27.77%
Be 313.107	168.7	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	148.72%
Co 228.616	27.7	0.0006	mg/L	0.00011	0.0006	mg/L	0.00011	17.95%
Cr 267.716	66.4	0.0003	mg/L	0.00012	0.0003	mg/L	0.00012	40.53%
Cu 324.752	1911.3	0.0049	mg/L	0.00075	0.0049	mg/L	0.00075	15.49%
Fe 273.955	219.1	0.0095	mg/L	0.00110	0.0095	mg/L	0.00110	11.67%
Mg 279.077	1530.5	0.0812	mg/L	0.01066	0.0812	mg/L	0.01066	13.12%
Mn 257.610	14.6	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009	68.51%
Ni 231.604	59.8	0.0008	mg/L	0.00007	0.0008	mg/L	0.00007	8.26%
Pb 220.353	-5.3	-0.0004	mg/L	0.00030	-0.0004	mg/L	0.00030	67.07%
Sb 206.836	29.4	0.0096	mg/L	0.00040	0.0096	mg/L	0.00040	4.19%
Se 196.026	3.2	0.0014	mg/L	0.00084	0.0014	mg/L	0.00084	60.45%
Tl 190.801	3.6	0.0017	mg/L	0.00071	0.0017	mg/L	0.00071	41.33%
V 292.402	68.2	0.0003	mg/L	0.00021	0.0003	mg/L	0.00021	73.28%
Zn 206.200	560.6	0.0058	mg/L	0.00082	0.0058	mg/L	0.00082	14.11%
Na 330.237	78.4	0.0495	mg/L	0.03128	0.0495	mg/L	0.03128	63.20%
Cd 226.502	12.6	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	65.68%
Ti 334.940	14.4	0.0000	mg/L	0.00013	0.0000	mg/L	0.00013	617.81%
Ca 227.546	18.2	0.0357	mg/L	0.01269	0.0357	mg/L	0.01269	35.52%

Sequence No.: 31
Sample ID: D0529-01BDUP,18177
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 5/19/05 1:09:04 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:24 AM,

Mean Data: D0529-01BDUP,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-2183.5	-0.0130	mg/L	0.00015	-0.0130	mg/L	0.00015	1.13%
Al 308.215	1045490.4	30.956	mg/L	0.0204	30.956	mg/L	0.0204	0.07%
As 188.979	87.3	0.0540	mg/L	0.00320	0.0540	mg/L	0.00320	5.93%
Ba 233.527	26473.5	0.2938	mg/L	0.00016	0.2938	mg/L	0.00016	0.05%
Be 313.107	5751.6	0.0012	mg/L	0.00000	0.0012	mg/L	0.00000	0.27%
Co 228.616	1323.5	0.0260	mg/L	0.00001	0.0260	mg/L	0.00001	0.04%
Cr 267.716	9060.7	0.0390	mg/L	0.00011	0.0390	mg/L	0.00011	0.29%
Cu 324.752	46787.5	0.1263	mg/L	0.00032	0.1263	mg/L	0.00032	0.26%
Fe 273.955	1953978.8	84.477	mg/L	0.0186	84.477	mg/L	0.0186	0.02%
Mg 279.077	461930.9	24.581	mg/L	0.0190	24.581	mg/L	0.0190	0.08%
Mn 257.610	208156.7	1.9179	mg/L	0.00263	1.9179	mg/L	0.00263	0.14%
Ni 231.604	4899.7	0.0593	mg/L	0.00009	0.0593	mg/L	0.00009	0.15%
Pb 220.353	466.3	0.0505	mg/L	0.00043	0.0505	mg/L	0.00043	0.86%
Sb 206.836	75.9	0.0094	mg/L	0.00102	0.0094	mg/L	0.00102	10.87%
Se 196.026	-85.2	-0.0107	mg/L	0.00006	-0.0107	mg/L	0.00006	0.58%
Tl 190.801	-6.1	-0.0011	mg/L	0.00046	-0.0011	mg/L	0.00046	41.67%
V 292.402	10274.6	0.0435	mg/L	0.00045	0.0435	mg/L	0.00045	1.03%
Zn 206.200	26784.3	0.2748	mg/L	0.00090	0.2748	mg/L	0.00090	0.33%
Na 330.237	1344.4	0.9922	mg/L	0.02049	0.9922	mg/L	0.02049	2.07%
Cd 226.502	1530.9	0.0011	mg/L	0.00018	0.0011	mg/L	0.00018	16.02%
Ti 334.940	130012.6	0.1809	mg/L	0.00550	0.1809	mg/L	0.00550	3.04%
Ca 227.546	69844.9	137.02	mg/L	0.011	137.02	mg/L	0.011	0.01%

Sequence No.: 32
Sample ID: D0529-01BMS,18177
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 5/19/05 1:13:16 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:25 AM,

Mean Data: D0529-01BMS,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	14124.4	0.0250	mg/L	0.00005	0.0250	mg/L	0.00005	0.22%
Al 308.215	1140079.0	33.746	mg/L	0.3884	33.746	mg/L	0.3884	1.15%
As 188.979	184.6	0.1117	mg/L	0.00070	0.1117	mg/L	0.00070	0.63%
Ba 233.527	206390.2	2.3815	mg/L	0.02189	2.3815	mg/L	0.02189	0.92%
Be 313.107	310558.4	0.0505	mg/L	0.00040	0.0505	mg/L	0.00040	0.79%
Co 228.616	24392.6	0.5203	mg/L	0.00266	0.5203	mg/L	0.00266	0.51%
Cr 267.716	53659.6	0.2361	mg/L	0.00149	0.2361	mg/L	0.00149	0.63%
Cu 324.752	146060.0	0.3791	mg/L	0.00632	0.3791	mg/L	0.00632	1.67%
Fe 273.955	2128348.0	91.986	mg/L	0.7207	91.986	mg/L	0.7207	0.78%
Mg 279.077	655279.8	34.866	mg/L	0.2597	34.866	mg/L	0.2597	0.74%
Mn 257.610	321003.7	2.9351	mg/L	0.02652	2.9351	mg/L	0.02652	0.90%
Ni 231.604	40765.8	0.5499	mg/L	0.00550	0.5499	mg/L	0.00550	1.00%
Pb 220.353	747.5	0.0769	mg/L	0.00038	0.0769	mg/L	0.00038	0.49%
Sb 206.836	261.0	0.0683	mg/L	0.00078	0.0683	mg/L	0.00078	1.15%
Se 196.026	-73.2	-0.0026	mg/L	0.00114	-0.0026	mg/L	0.00114	43.51%
Tl 190.801	92.8	0.0470	mg/L	0.00166	0.0470	mg/L	0.00166	3.52%
V 292.402	132710.0	0.5489	mg/L	0.00378	0.5489	mg/L	0.00378	0.69%
Zn 206.200	74827.4	0.7717	mg/L	0.00623	0.7717	mg/L	0.00623	0.81%
Na 330.237	2730.0	1.8759	mg/L	0.19251	1.8759	mg/L	0.19251	10.26%
Cd 226.502	2721.6	0.0059	mg/L	0.00026	0.0059	mg/L	0.00026	4.45%
Ti 334.940	188889.1	0.2637	mg/L	0.00402	0.2637	mg/L	0.00402	1.52%
Ca 227.546	112756.5	221.72	mg/L	2.782	221.72	mg/L	2.782	1.25%

Sequence No.: 33
Sample ID: D0529-01BSD,18177
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 5/19/05 1:17:29 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:26 AM,

Mean Data: D0529-01BSD,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

Analysis Begun

Start Time: 5/19/2005 2:04:10 PM
Plasma On Time: 5/19/2005 12:12:23 PM
Logged In Analyst: optima3
Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N3102302Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\523-565.sif
Batch ID:
Results Data Set: B05051902
Results Library: C:\pe\Administrator\Results\Results.mdb

Method Loaded
Method Name: Na CLP
Method Last Saved: 1/6/2005 10:16:27 AM
IEC File:
MSF File:
Method Description: Na CLP

Sequence No.: 1
Autosampler Location: 1
Sample ID: S0
Date Collected: 5/19/2005 2:04:10 PM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Na 589.592	1169.9	46.75	4.00%	[0.00]	mg/L

Sequence No.: 2
Autosampler Location: 2
Sample ID: S1
Date Collected: 5/19/2005 2:06:30 PM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Na 589.592	381509.5	4064.40	1.07%	[50]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Na 589.592	1	Lin Thru 0	0.0	7630	0.00000	1.000000	

Sequence No.: 3
Autosampler Location: 9
Sample ID: ICV
Date Collected: 5/19/2005 2:08:54 PM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Sample Std.Dev.	Conc.	Units	Std.Dev.	RSD
Na 589.592	296377.4	38.843	mg/L	0.0812	38.843	mg/L	0.0812	0.21%

Sequence No.: 4
Autosampler Location: 4
Sample ID: ICB
Date Collected: 5/19/2005 2:11:16 PM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	187.6	0.0246	mg/L	0.00291	0.0246	mg/L	0.00291	11.83%

Sequence No.: 5
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 5/19/2005 2:13:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	647.0	0.0848	mg/L	0.00152	0.0848	mg/L	0.00152	1.79%

Sequence No.: 6
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 5/19/2005 2:15:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	577.2	0.0756	mg/L	0.01088	0.0756	mg/L	0.01088	14.38%

Sequence No.: 7
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 5/19/2005 2:18:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	195040.2	25.562	mg/L	0.3562	25.562	mg/L	0.3562	1.39%

Sequence No.: 8
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 5/19/2005 2:20:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	301.6	0.0395	mg/L	0.00196	0.0395	mg/L	0.00196	4.96%

Sequence No.: 9
Sample ID: MB-18177,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 48
Date Collected: 5/19/2005 2:23:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-18177,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	250.8	0.0329	mg/L	0.00352	0.0329	mg/L	0.00352	10.70%

Sequence No.: 10
Sample ID: LCS-18177,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 49
Date Collected: 5/19/2005 2:25:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-18177,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	35551.6	4.6593	mg/L	0.05528	4.6593	mg/L	0.05528	1.19%

Sequence No.: 11
Sample ID: D0523-01A,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 50
Date Collected: 5/19/2005 2:27:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0523-01A,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	817.6	0.1072	mg/L	0.01085	0.1072	mg/L	0.01085	10.12%

Sequence No.: 12
Sample ID: D0523-01ASD,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 51
Date Collected: 5/19/2005 2:30:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0523-01ASD,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	4022.0	0.5271	mg/L	0.01976	0.5271	mg/L	0.01976	3.75%

Sequence No.: 13
Sample ID: D0529-01B,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 52
Date Collected: 5/19/2005 2:32:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-01B,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	4600.7	0.6030	mg/L	0.00076	0.6030	mg/L	0.00076	0.13%

Sequence No.: 14
Sample ID: D0529-01BDUP,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 53
Date Collected: 5/19/2005 2:34:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-01BDUP,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	3549.1	0.4651	mg/L	0.01049	0.4651	mg/L	0.01049	2.25%

Sequence No.: 15
Sample ID: D0529-01BSD,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 55
Date Collected: 5/19/2005 2:37:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-01BSD,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	841.6	0.1103	mg/L	0.00449	0.1103	mg/L	0.00449	4.07%

Sequence No.: 16
Sample ID: MB-18176,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 57
Date Collected: 5/19/2005 2:39:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-18176,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	-110.5	-0.0145	mg/L	0.00204	-0.0145	mg/L	0.00204	14.10%

Sequence No.: 17
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 5/19/2005 2:41:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	199292.8	26.119	mg/L	0.1089	26.119	mg/L	0.1089	0.42%

Sequence No.: 18
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 5/19/2005 2:44:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	-2.4	-0.0003	mg/L	0.02273	-0.0003	mg/L	0.02273	>999.9%

Sequence No.: 19
Sample ID: LCS-18176,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 58
Date Collected: 5/19/2005 2:46:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-18176,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	187015.1	24.510	mg/L	0.2855	24.510	mg/L	0.2855	1.16%

Sequence No.: 20
Sample ID: D0529-03D,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 59
Date Collected: 5/19/2005 2:48:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-03D,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	819.2	0.1074	mg/L	0.00628	0.1074	mg/L	0.00628	5.85%

Sequence No.: 21
Sample ID: D0529-03DSD,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 60
Date Collected: 5/19/2005 2:51:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-03DSD,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	46.4	0.0061	mg/L	0.00672	0.0061	mg/L	0.00672	110.59%

Sequence No.: 22
Sample ID: D0565-01C,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 61
Date Collected: 5/19/2005 2:53:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0565-01C,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	190738.2	24.998	mg/L	0.3320	24.998	mg/L	0.3320	1.33%

Sequence No.: 23
Sample ID: D0565-01CSD,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 62
Date Collected: 5/19/2005 2:55:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0565-01CSD,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	39433.2	5.1681	mg/L	0.01238	5.1681	mg/L	0.01238	0.24%

Sequence No.: 24
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 5/19/2005 2:58:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	303.5	0.0398	mg/L	0.01235	0.0398	mg/L	0.01235	31.06%

Sequence No.: 25
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 5/19/2005 3:00:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	309.0	0.0405	mg/L	0.00258	0.0405	mg/L	0.00258	6.38%

Sequence No.: 26
Sample ID: CCV
Analyst:
Initial Sample Wt:
Autosampler Location: 3
Date Collected: 5/19/2005 3:02:55 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	198555.4	26.022	mg/L	0.3501	26.022	mg/L	0.3501	1.35%

==========

Sequence No.: 27
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/19/2005 3:05:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	-36.4	-0.0048	mg/L	0.01320	-0.0048	mg/L	0.01320	276.88%

Analysis Begun

Start Time: 5/19/2005 3:07:34 PM
Logged In Analyst: optima3
Spectrometer Model: Optima 4300 DV, S/N 077N3102302Autosampler Model: AS-93plus
Plasma On Time: 5/19/2005 12:12:23 PM
Technique: ICP Continuous

Sample Information File: C:\pe\Administrator\Sample Information\523-565.sif
Batch ID:
Results Data Set: B05051903
Results Library: C:\pe\Administrator\Results\Results.mdb

Method Loaded
Method Name: K CLP
IEC File:
Method Description: K CLP
Method Last Saved: 1/6/2005 10:16:44 AM
MSF File:

Sequence No.: 1
Sample ID: S0
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 5/19/2005 3:07:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
K 766.490	2233.1	115.79	5.19%	[0.00]	mg/L

Sequence No.: 2
Sample ID: S1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 5/19/2005 3:09:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
K 766.490	171685.0	333.00	0.19%	[50]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
K 766.490	1	Lin Thru 0	0.0	3434	0.00000	1.000000	

Sequence No.: 3
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 9
Date Collected: 5/19/2005 3:12:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	127360.7	37.091	mg/L	0.0982	37.091	mg/L	0.0982	0.26%

Sequence No.: 4
Sample ID: ICB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 5/19/2005 3:14:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	70.9	0.0206	mg/L	0.02685	0.0206	mg/L	0.02685	130.09%

Sequence No.: 5
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 5/19/2005 3:16:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	365.3	0.1064	mg/L	0.06481	0.1064	mg/L	0.06481	60.92%

Sequence No.: 6
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 5/19/2005 3:19:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	278.2	0.0810	mg/L	0.00766	0.0810	mg/L	0.00766	9.45%

Sequence No.: 7
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 5/19/2005 3:21:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	85802.7	24.988	mg/L	0.0230	24.988	mg/L	0.0230	0.09%

Sequence No.: 8
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 5/19/2005 3:23:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	145.5	0.0424	mg/L	0.01482	0.0424	mg/L	0.01482	34.99%

Sequence No.: 9
Sample ID: MB-18177,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 48
Date Collected: 5/19/2005 3:26:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-18177,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	-31.7	-0.0092	mg/L	0.00264	-0.0092	mg/L	0.00264	28.53%

Sequence No.: 10
Sample ID: LCS-18177,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 49
Date Collected: 5/19/2005 3:28:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-18177,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	32827.6	9.5604	mg/L	0.06224	9.5604	mg/L	0.06224	0.65%

Sequence No.: 11 5D
Sample ID: D0523-01A,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 50
Date Collected: 5/19/2005 3:31:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

5D

Mean Data: D0523-01A,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	5349.5	1.5580	mg/L	0.01680	1.5580	mg/L	0.01680	1.08%

Sequence No.: 12
Sample ID: D0523-01A8D,18177
Analyst:
Initial Sample Wt:
Dilution: BF 5/26/05
Autosampler Location: 51
Date Collected: 5/19/2005 3:33:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0523-01A8D,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	25815.2	7.5182	mg/L	0.07085	7.5182	mg/L	0.07085	0.94%

Sequence No.: 13
Sample ID: D0529-01B,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 52
Date Collected: 5/19/2005 3:35:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-01B,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	13438.5	3.9137	mg/L	0.03354	3.9137	mg/L	0.03354	0.86%

Sequence No.: 14
Sample ID: D0529-01BDUP,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 53
Date Collected: 5/19/2005 3:38:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-01BDUP,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	10053.9	2.9280	mg/L	0.00830	2.9280	mg/L	0.00830	0.28%

Sequence No.: 15
Sample ID: D0529-01BSD,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 55
Date Collected: 5/19/2005 3:40:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-01BSD,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	2726.8	0.7941	mg/L	0.03858	0.7941	mg/L	0.03858	4.86%

Sequence No.: 16
Sample ID: MB-18176,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 57
Date Collected: 5/19/2005 3:42:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-18176,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	-285.3	-0.0831	mg/L	0.01649	-0.0831	mg/L	0.01649	19.85%

Sequence No.: 17
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 5/19/2005 3:45:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	86383.7	25.158	mg/L	0.3523	25.158	mg/L	0.3523	1.40%

Sequence No.: 18
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 5/19/2005 3:47:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	-77.3	-0.0225	mg/L	0.01178	-0.0225	mg/L	0.01178	52.30%

Sequence No.: 19
Sample ID: LCS-18176,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 58
Date Collected: 5/19/2005 3:49:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-18176,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	79448.5	23.138	mg/L	0.3365	23.138	mg/L	0.3365	1.45%

Sequence No.: 20
Sample ID: D0529-03D,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 59
Date Collected: 5/19/2005 3:52:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-03D,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	63.3	0.0184	mg/L	0.00038	0.0184	mg/L	0.00038	2.08%

Sequence No.: 21
Sample ID: D0529-03DSD,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 60
Date Collected: 5/19/2005 3:54:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-03DSD,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	-117.0	-0.0341	mg/L	0.09026	-0.0341	mg/L	0.09026	264.78%

Sequence No.: 22
Sample ID: D0565-01C,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 61
Date Collected: 5/19/2005 3:56:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0565-01C,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	9042.7	2.6335	mg/L	0.08809	2.6335	mg/L	0.08809	3.35%

Sequence No.: 23
Sample ID: D0565-01CSD,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 62
Date Collected: 5/19/2005 3:59:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0565-01CSD,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	1670.5	0.4865	mg/L	0.02226	0.4865	mg/L	0.02226	4.58%

Sequence No.: 24
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 5/19/2005 4:01:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	209.0	0.0609	mg/L	0.01859	0.0609	mg/L	0.01859	30.53%

Sequence No.: 25
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 5/19/2005 4:03:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	213.9	0.0623	mg/L	0.02365	0.0623	mg/L	0.02365	37.96%

Sequence No.: 26
Sample ID: CCV
Analyst:
Initial Sample Wt:
Autosampler Location: 3
Date Collected: 5/19/2005 4:06:13 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	86884.0	25.303	mg/L	0.0423	25.303	mg/L	0.0423	0.17%

Sequence No.: 27
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/19/2005 4:08:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	5.9	0.0017	mg/L	0.02297	0.0017	mg/L	0.02297	>999.9%

Analysis Begun

Start Time: 5/20/2005 1:30:54 PM
Plasma On Time: 5/20/2005 1:12:05 PM
Logged In Analyst: optima3
Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N3102302
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\523-565.sif
Batch ID:
Results Data Set: B05052001
Results Library: C:\pe\Administrator\Results\Results.mdb

Method Loaded
Method Name: CLP
Method Last Saved: 5/6/2005 9:26:07 AM
IEC File: B05033102X.iec
MSF File:
Method Description: working method for all elements

Sequence No.: 1
Autosampler Location: 1
Sample ID: S0
Date Collected: 5/20/2005 1:30:55 PM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Al 308.215	7394.6	5.91	0.08%	[0.00]	mg/L
Cr 267.716	29.8	2.48	8.34%	[0.00]	mg/L
Cu 324.752	106.9	18.95	17.72%	[0.00]	mg/L
Fe 273.955	232.2	14.39	6.20%	[0.00]	mg/L
Mg 279.077	645.5	3.93	0.61%	[0.00]	mg/L
Mn 257.610	58.6	14.05	23.97%	[0.00]	mg/L
Ni 231.604	3.6	3.42	96.02%	[0.00]	mg/L
Sb 206.836	-2.7	0.42	15.34%	[0.00]	mg/L
Tl 190.801	-1.7	0.77	44.65%	[0.00]	mg/L
V 292.402	109.5	5.29	4.84%	[0.00]	mg/L
Ti 334.940	-194.8	18.39	9.44%	[0.00]	mg/L
Ca 227.546	37.9	3.42	9.01%	[0.00]	mg/L

Sequence No.: 2
Autosampler Location: 2
Sample ID: S1
Date Collected: 5/20/2005 1:34:00 PM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Al 308.215	530402.8	1694.63	0.32%	[20]	mg/L
Cr 267.716	77888.7	11.41	0.01%	[2]	mg/L
Cu 324.752	300707.2	1838.25	0.61%	[2.5]	mg/L
Fe 273.955	324291.5	1397.93	0.43%	[10]	mg/L
Mg 279.077	1059197.4	4262.28	0.40%	[50]	mg/L
Mn 257.610	2359041.7	12889.16	0.55%	[5]	mg/L
Ni 231.604	75699.5	208.49	0.28%	[5]	mg/L
Sb 206.836	548.1	21.66	3.95%	[1]	mg/L
Tl 190.801	448.3	3.23	0.72%	[1]	mg/L
V 292.402	474100.2	1247.50	0.26%	[5]	mg/L
Ti 334.940	685430.2	3220.05	0.47%	[1]	mg/L
Ca 227.546	7425.2	3.29	0.04%	[50]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope

Al 308.215	1	Lin Thru 0	0.0	26520	0.00000	1.000000
Cr 267.716	1	Lin Thru 0	0.0	38940	0.00000	1.000000
Cu 324.752	1	Lin Thru 0	0.0	120300	0.00000	1.000000
Fe 273.955	1	Lin Thru 0	0.0	32430	0.00000	1.000000
Mg 279.077	1	Lin Thru 0	0.0	21180	0.00000	1.000000
Mn 257.610	1	Lin Thru 0	0.0	471800	0.00000	1.000000
Ni 231.604	1	Lin Thru 0	0.0	15140	0.00000	1.000000
Sb 206.836	1	Lin Thru 0	0.0	548.1	0.00000	1.000000
Tl 190.801	1	Lin Thru 0	0.0	448.3	0.00000	1.000000
V 292.402	1	Lin Thru 0	0.0	94820	0.00000	1.000000
Ti 334.940	1	Lin Thru 0	0.0	685400	0.00000	1.000000
Ca 227.546	1	Lin Thru 0	0.0	148.5	0.00000	1.000000

Sequence No.: 3
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 9
Date Collected: 5/20/2005 1:37:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	405606.8	15.388	mg/L	0.0723	15.388	mg/L	0.0723	0.47%
Cr 267.716	61111.1	1.5696	mg/L	0.02540	1.5696	mg/L	0.02540	1.62%
Cu 324.752	229701.3	1.9119	mg/L	0.00569	1.9119	mg/L	0.00569	0.30%
Fe 273.955	252806.6	7.6768	mg/L	0.15732	7.6768	mg/L	0.15732	2.05%
Mg 279.077	819597.6	38.697	mg/L	0.2298	38.697	mg/L	0.2298	0.59%
Mn 257.610	1826657.4	3.8708	mg/L	0.01623	3.8708	mg/L	0.01623	0.42%
Ni 231.604	59053.4	3.9012	mg/L	0.08450	3.9012	mg/L	0.08450	2.17%
Sb 206.836	434.5	0.7717	mg/L	0.00522	0.7717	mg/L	0.00522	0.68%
Tl 190.801	341.9	0.7599	mg/L	0.00440	0.7599	mg/L	0.00440	0.58%
V 292.402	368230.3	3.8877	mg/L	0.02739	3.8877	mg/L	0.02739	0.70%
Ti 334.940	538.9	0.0014	mg/L	0.00001	0.0014	mg/L	0.00001	0.52%
Ca 227.546	5712.7	37.801	mg/L	0.1358	37.801	mg/L	0.1358	0.36%

Sequence No.: 4
Sample ID: ICB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 5/20/2005 1:40:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	131.8	0.0050	mg/L	0.00298	0.0050	mg/L	0.00298	60.01%
Cr 267.716	8.7	0.0002	mg/L	0.00011	0.0002	mg/L	0.00011	50.40%
Cu 324.752	35.5	0.0003	mg/L	0.00013	0.0003	mg/L	0.00013	44.87%
Fe 273.955	46.1	0.0014	mg/L	0.00076	0.0014	mg/L	0.00076	53.52%
Mg 279.077	-50.3	-0.0024	mg/L	0.00245	-0.0024	mg/L	0.00245	103.18%
Mn 257.610	127.3	0.0003	mg/L	0.00004	0.0003	mg/L	0.00004	15.76%
Ni 231.604	-1.4	-0.0001	mg/L	0.00016	-0.0001	mg/L	0.00016	173.25%
Sb 206.836	6.3	0.0115	mg/L	0.00160	0.0115	mg/L	0.00160	13.96%
Tl 190.801	-1.4	-0.0031	mg/L	0.00101	-0.0031	mg/L	0.00101	32.53%
V 292.402	2.6	0.0000	mg/L	0.00031	0.0000	mg/L	0.00031	>999.9%
Ti 334.940	-0.0	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	>999.9%
Ca 227.546	7.4	0.0498	mg/L	0.14288	0.0498	mg/L	0.14288	286.88%

Sequence No.: 5
Sample ID: CRI
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 7
Date Collected: 5/20/2005 1:43:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected	Calib	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Al 308.215	79.8	0.0055	mg/L	0.00221	0.0055	mg/L	0.00221	39.96%
Cr 267.716	851.9	0.0219	mg/L	0.00015	0.0219	mg/L	0.00015	0.68%
Cu 324.752	6309.7	0.0525	mg/L	0.00063	0.0525	mg/L	0.00063	1.20%
Fe 273.955	170.7	0.0021	mg/L	0.00132	0.0021	mg/L	0.00132	64.54%
Mg 279.077	-61.2	-0.0028	mg/L	0.00374	-0.0028	mg/L	0.00374	134.85%
Mn 257.610	16497.5	0.0350	mg/L	0.00032	0.0350	mg/L	0.00032	0.93%
Ni 231.604	1391.5	0.0919	mg/L	0.00038	0.0919	mg/L	0.00038	0.41%
Sb 206.836	69.6	0.1268	mg/L	0.00563	0.1268	mg/L	0.00563	4.44%
Tl 190.801	6.7	0.0146	mg/L	0.00733	0.0146	mg/L	0.00733	50.33%
V 292.402	9949.9	0.1050	mg/L	0.00178	0.1050	mg/L	0.00178	1.70%
Ti 334.940	5.5	0.0000	mg/L	0.00014	0.0000	mg/L	0.00014	>999.9%
Ca 227.546	11.5	0.0666	mg/L	0.05553	0.0666	mg/L	0.05553	83.36%

Sequence No.: 6
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 5/20/2005 1:46:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	12224004.4	460.93	mg/L	3.500	460.93	mg/L	3.500	0.76%
Cr 267.716	-66.6	-0.0019	mg/L	0.00019	-0.0019	mg/L	0.00019	10.23%
Cu 324.752	-6230.6	-0.0214	mg/L	0.00097	-0.0214	mg/L	0.00097	4.56%
Fe 273.955	5665551.6	174.71	mg/L	1.551	174.71	mg/L	1.551	0.89%
Mg 279.077	9546102.6	450.51	mg/L	4.028	450.51	mg/L	4.028	0.89%
Mn 257.610	4316.2	-0.0016	mg/L	0.00010	-0.0016	mg/L	0.00010	6.07%
Saturated outside survey window (code 6)								
Ni 231.604	62.7	0.0281	mg/L	0.00004	0.0281	mg/L	0.00004	0.16%
Sb 206.836	1.1	-0.0043	mg/L	0.00068	-0.0043	mg/L	0.00068	15.72%
Tl 190.801	-16.2	-0.0089	mg/L	0.00018	-0.0089	mg/L	0.00018	2.01%
V 292.402	148.3	0.0016	mg/L	0.00012	0.0016	mg/L	0.00012	7.42%
Ti 334.940	-9216.8	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	17.01%
Ca 227.546	71949.2	479.64	mg/L	0.434	479.64	mg/L	0.434	0.09%

Sequence No.: 7
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 5/20/2005 1:49:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	12315916.2	464.41	mg/L	2.383	464.41	mg/L	2.383	0.51%
Cr 267.716	18008.2	0.4623	mg/L	0.00295	0.4623	mg/L	0.00295	0.64%
Cu 324.752	51484.9	0.4590	mg/L	0.00857	0.4590	mg/L	0.00857	1.87%
Fe 273.955	5729841.0	176.67	mg/L	1.220	176.67	mg/L	1.220	0.69%
Mg 279.077	9634043.1	454.66	mg/L	3.472	454.66	mg/L	3.472	0.76%
Mn 257.610	224809.3	0.4657	mg/L	0.00665	0.4657	mg/L	0.00665	1.43%
Saturated outside survey window (code 6)								
Ni 231.604	13017.6	0.8840	mg/L	0.00107	0.8840	mg/L	0.00107	0.12%
Sb 206.836	332.7	0.5940	mg/L	0.00161	0.5940	mg/L	0.00161	0.27%
Tl 190.801	27.5	0.0882	mg/L	0.00184	0.0882	mg/L	0.00184	2.08%
V 292.402	44516.3	0.4707	mg/L	0.00278	0.4707	mg/L	0.00278	0.59%
Ti 334.940	-9270.7	0.0000	mg/L	0.00014	0.0000	mg/L	0.00014	306.47%
Ca 227.546	72451.8	482.89	mg/L	3.445	482.89	mg/L	3.445	0.71%

Sequence No.: 8
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 5/20/2005 1:52:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	275511.2	10.453	mg/L	0.0596	10.453	mg/L	0.0596	0.57%
Cr 267.716	42119.1	1.0818	mg/L	0.01099	1.0818	mg/L	0.01099	1.02%
Cu 324.752	151759.4	1.2632	mg/L	0.01200	1.2632	mg/L	0.01200	0.95%
Fe 273.955	175588.6	5.3329	mg/L	0.03346	5.3329	mg/L	0.03346	0.63%
Mg 279.077	566309.9	26.738	mg/L	0.0791	26.738	mg/L	0.0791	0.30%
Mn 257.610	1252726.0	2.6546	mg/L	0.01488	2.6546	mg/L	0.01488	0.56%
Ni 231.604	40924.0	2.7035	mg/L	0.01840	2.7035	mg/L	0.01840	0.68%
Sb 206.836	293.4	0.5208	mg/L	0.01595	0.5208	mg/L	0.01595	3.06%
Tl 190.801	236.8	0.5262	mg/L	0.00209	0.5262	mg/L	0.00209	0.40%
V 292.402	252698.1	2.6679	mg/L	0.00883	2.6679	mg/L	0.00883	0.33%
Ti 334.940	211.5	0.0007	mg/L	0.00013	0.0007	mg/L	0.00013	17.93%
Ca 227.546	3928.6	25.994	mg/L	0.1695	25.994	mg/L	0.1695	0.65%

Sequence No.: 9
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 5/20/2005 1:56:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	259.4	0.0098	mg/L	0.00211	0.0098	mg/L	0.00211	21.52%
Cr 267.716	1.3	0.0000	mg/L	0.00034	0.0000	mg/L	0.00034	>999.9%
Cu 324.752	5.5	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	51.74%
Fe 273.955	208.7	0.0064	mg/L	0.00095	0.0064	mg/L	0.00095	14.83%
Mg 279.077	102.4	0.0048	mg/L	0.00236	0.0048	mg/L	0.00236	48.83%
Mn 257.610	30.7	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007	103.34%
Ni 231.604	0.6	0.0000	mg/L	0.00013	0.0000	mg/L	0.00013	310.15%
Sb 206.836	1.3	0.0024	mg/L	0.00034	0.0024	mg/L	0.00034	13.75%
Tl 190.801	-4.7	-0.0106	mg/L	0.00217	-0.0106	mg/L	0.00217	20.53%
V 292.402	39.4	0.0004	mg/L	0.00040	0.0004	mg/L	0.00040	96.20%
Ti 334.940	-10.3	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	594.78%
Ca 227.546	26.3	0.1768	mg/L	0.09834	0.1768	mg/L	0.09834	55.64%

Sequence No.: 10
Sample ID: MB-18177,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 48
Date Collected: 5/20/2005 1:59:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-18177,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	484.5	0.0183	mg/L	0.00118	0.0183	mg/L	0.00118	6.43%
Cr 267.716	15.6	0.0004	mg/L	0.00013	0.0004	mg/L	0.00013	32.25%
Cu 324.752	177.3	0.0015	mg/L	0.00043	0.0015	mg/L	0.00043	29.17%
Fe 273.955	1380.4	0.0426	mg/L	0.00180	0.0426	mg/L	0.00180	4.23%
Mg 279.077	205.6	0.0097	mg/L	0.00129	0.0097	mg/L	0.00129	13.36%
Mn 257.610	710.7	0.0015	mg/L	0.00008	0.0015	mg/L	0.00008	5.09%
Ni 231.604	14.3	0.0010	mg/L	0.00007	0.0010	mg/L	0.00007	7.44%
Sb 206.836	3.3	0.0060	mg/L	0.00353	0.0060	mg/L	0.00353	58.75%
Tl 190.801	-2.7	-0.0061	mg/L	0.00683	-0.0061	mg/L	0.00683	112.46%
V 292.402	13.6	0.0001	mg/L	0.00014	0.0001	mg/L	0.00014	100.20%
Ti 334.940	162.1	0.0002	mg/L	0.00009	0.0002	mg/L	0.00009	38.43%
Ca 227.546	33.8	0.2264	mg/L	0.05991	0.2264	mg/L	0.05991	26.46%

Sequence No.: 11
Sample ID: LCS-18177,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 49
Date Collected: 5/20/2005 2:02:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-18177,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	974603.9	36.759	mg/L	0.2472	36.759	mg/L	0.2472	0.67%
Cr 267.716	33562.6	0.8615	mg/L	0.00175	0.8615	mg/L	0.00175	0.20%
Cu 324.752	65929.3	0.5599	mg/L	0.00196	0.5599	mg/L	0.00196	0.35%
Fe 273.955	1675532.3	51.656	mg/L	0.4008	51.656	mg/L	0.4008	0.78%
Mg 279.077	282013.9	13.283	mg/L	0.0130	13.283	mg/L	0.0130	0.10%
Mn 257.610	857755.7	1.8170	mg/L	0.01659	1.8170	mg/L	0.01659	0.91%
Ni 231.604	14071.7	0.9363	mg/L	0.00053	0.9363	mg/L	0.00053	0.06%
Sb 206.836	92.6	0.1544	mg/L	0.00299	0.1544	mg/L	0.00299	1.94%
Tl 190.801	214.3	0.4872	mg/L	0.00538	0.4872	mg/L	0.00538	1.10%
V 292.402	35254.7	0.3733	mg/L	0.00139	0.3733	mg/L	0.00139	0.37%
Ti 334.940	895060.6	1.3062	mg/L	0.01187	1.3062	mg/L	0.01187	0.91%
Ca 227.546	3385.1	21.301	mg/L	0.0109	21.301	mg/L	0.0109	0.05%

Sequence No.: 12
Sample ID: D0523-01A,18177
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 5/20/2005 2:05:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0523-01A,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	395519.4	14.914	mg/L	0.0619	14.914	mg/L	0.0619	0.42%
Cr 267.716	855.0	0.0219	mg/L	0.00005	0.0219	mg/L	0.00005	0.23%
Cu 324.752	2231.2	0.0271	mg/L	0.00042	0.0271	mg/L	0.00042	1.54%
Fe 273.955	1149794.4	35.455	mg/L	0.1199	35.455	mg/L	0.1199	0.34%
Mg 279.077	231976.5	10.928	mg/L	0.0258	10.928	mg/L	0.0258	0.24%
Mn 257.610	323350.8	0.6851	mg/L	0.00148	0.6851	mg/L	0.00148	0.22%
Ni 231.604	574.8	0.0430	mg/L	0.00001	0.0430	mg/L	0.00001	0.01%
Sb 206.836	3.7	0.0052	mg/L	0.00231	0.0052	mg/L	0.00231	44.19%
Tl 190.801	-5.3	-0.0054	mg/L	0.00123	-0.0054	mg/L	0.00123	22.95%
V 292.402	1953.0	0.0207	mg/L	0.00027	0.0207	mg/L	0.00027	1.29%
Ti 334.940	34770.5	0.0514	mg/L	0.00052	0.0514	mg/L	0.00052	1.00%
Ca 227.546	3396.9	21.903	mg/L	0.0428	21.903	mg/L	0.0428	0.20%

Sequence No.: 13
Sample ID: D0523-01ASD,18177
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 5/20/2005 2:08:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0523-01ASD,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	1904207.2	71.805	mg/L	0.1203	71.805	mg/L	0.1203	0.17%
Cr 267.716	4070.1	0.1042	mg/L	0.00104	0.1042	mg/L	0.00104	0.99%
Cu 324.752	11014.4	0.1308	mg/L	0.00150	0.1308	mg/L	0.00150	1.15%
Fe 273.955	5294958.9	163.27	mg/L	0.179	163.27	mg/L	0.179	0.11%
Mg 279.077	1074875.9	50.638	mg/L	0.0946	50.638	mg/L	0.0946	0.19%
Mn 257.610	1502222.8	3.1826	mg/L	0.00360	3.1826	mg/L	0.00360	0.11%
Ni 231.604	2614.0	0.1959	mg/L	0.00097	0.1959	mg/L	0.00097	0.50%
Sb 206.836	2.1	-0.0034	mg/L	0.00655	-0.0034	mg/L	0.00655	190.83%
Tl 190.801	-11.0	0.0055	mg/L	0.00995	0.0055	mg/L	0.00995	181.36%
V 292.402	9015.4	0.0954	mg/L	0.00046	0.0954	mg/L	0.00046	0.48%
Ti 334.940	160516.7	0.2373	mg/L	0.00046	0.2373	mg/L	0.00046	0.19%
Ca 227.546	16681.0	107.85	mg/L	0.278	107.85	mg/L	0.278	0.26%

Sequence No.: 14
Sample ID: D0529-01B,18177
Analyst:
Initial Sample Wt:

Autosampler Location: 52
Date Collected: 5/20/2005 2:12:00 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: D0529-01B,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	1037995.9	39.142	mg/L	0.0726	39.142	mg/L	0.0726	0.19%
Cr 267.716	2245.8	0.0568	mg/L	0.00034	0.0568	mg/L	0.00034	0.60%
Cu 324.752	13408.6	0.1399	mg/L	0.00236	0.1399	mg/L	0.00236	1.69%
Fe 273.955	3774790.1	116.40	mg/L	0.398	116.40	mg/L	0.398	0.34%
Mg 279.077	1099564.8	51.837	mg/L	0.2022	51.837	mg/L	0.2022	0.39%
Mn 257.610	1622110.1	3.4367	mg/L	0.01943	3.4367	mg/L	0.01943	0.57%
Ni 231.604	1293.6	0.1013	mg/L	0.00057	0.1013	mg/L	0.00057	0.56%
Sb 206.836	-1.4	-0.0074	mg/L	0.01129	-0.0074	mg/L	0.01129	152.54%
Tl 190.801	-8.6	0.0033	mg/L	0.00071	0.0033	mg/L	0.00071	21.63%
V 292.402	7036.5	0.0744	mg/L	0.00014	0.0744	mg/L	0.00014	0.19%
Ti 334.940	167248.5	0.2516	mg/L	0.00134	0.2516	mg/L	0.00134	0.53%
Ca 227.546	40347.8	268.50	mg/L	2.033	268.50	mg/L	2.033	0.76%

Sequence No.: 15
Sample ID: D0529-01BDUP,18177
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 5/20/2005 2:15:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-01BDUP,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	867623.6	32.717	mg/L	0.1573	32.717	mg/L	0.1573	0.48%
Cr 267.716	1638.3	0.0417	mg/L	0.00015	0.0417	mg/L	0.00015	0.36%
Cu 324.752	11690.2	0.1195	mg/L	0.00054	0.1195	mg/L	0.00054	0.45%
Fe 273.955	2986431.4	92.090	mg/L	0.4478	92.090	mg/L	0.4478	0.49%
Mg 279.077	556103.2	26.194	mg/L	0.0954	26.194	mg/L	0.0954	0.36%
Mn 257.610	946910.1	2.0063	mg/L	0.01345	2.0063	mg/L	0.01345	0.67%
Ni 231.604	1095.3	0.0851	mg/L	0.00042	0.0851	mg/L	0.00042	0.49%
Sb 206.836	-1.8	-0.0071	mg/L	0.00861	-0.0071	mg/L	0.00861	121.89%
Tl 190.801	-7.9	-0.0011	mg/L	0.00113	-0.0011	mg/L	0.00113	104.73%
V 292.402	4471.0	0.0473	mg/L	0.00020	0.0473	mg/L	0.00020	0.42%
Ti 334.940	120204.7	0.1795	mg/L	0.00169	0.1795	mg/L	0.00169	0.94%
Ca 227.546	21660.8	143.34	mg/L	1.020	143.34	mg/L	1.020	0.71%

Sequence No.: 16
Sample ID: D0529-01BMS,18177
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 5/20/2005 2:18:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-01BMS,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	962521.1	36.308	mg/L	0.1867	36.308	mg/L	0.1867	0.51%
Cr 267.716	10148.4	0.2600	mg/L	0.00064	0.2600	mg/L	0.00064	0.25%
Cu 324.752	43389.1	0.3857	mg/L	0.00481	0.3857	mg/L	0.00481	1.25%
Fe 273.955	3322792.0	102.44	mg/L	0.540	102.44	mg/L	0.540	0.53%
Mg 279.077	803554.1	37.872	mg/L	0.2282	37.872	mg/L	0.2282	0.60%
Mn 257.610	1469488.5	3.1136	mg/L	0.00068	3.1136	mg/L	0.00068	0.02%
Ni 231.604	9199.4	0.6216	mg/L	0.00259	0.6216	mg/L	0.00259	0.42%
Sb 206.836	27.4	0.0429	mg/L	0.00339	0.0429	mg/L	0.00339	7.90%
Tl 190.801	15.2	0.0519	mg/L	0.00545	0.0519	mg/L	0.00545	10.49%
V 292.402	56341.7	0.5949	mg/L	0.00029	0.5949	mg/L	0.00029	0.05%
Ti 334.940	176676.8	0.2644	mg/L	0.00284	0.2644	mg/L	0.00284	1.07%
Ca 227.546	35641.4	237.13	mg/L	2.117	237.13	mg/L	2.117	0.89%

Sequence No.: 17
Sample ID: D0529-01BSD,18177
Analyst:

Autosampler Location: 55
Date Collected: 5/20/2005 2:21:37 PM
Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: D0529-01BSD,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	218352.7	8.2339	mg/L	0.06856	8.2339	mg/L	0.06856	0.83%
Cr 267.716	500.4	0.0127	mg/L	0.00003	0.0127	mg/L	0.00003	0.20%
Cu 324.752	2612.1	0.0280	mg/L	0.00011	0.0280	mg/L	0.00011	0.40%
Fe 273.955	832948.0	25.685	mg/L	0.2700	25.685	mg/L	0.2700	1.05%
Mg 279.077	243662.4	11.487	mg/L	0.1160	11.487	mg/L	0.1160	1.01%
Mn 257.610	352059.2	0.7459	mg/L	0.00865	0.7459	mg/L	0.00865	1.16%
Ni 231.604	293.8	0.0229	mg/L	0.00038	0.0229	mg/L	0.00038	1.67%
Sb 206.836	3.9	0.0061	mg/L	0.00947	0.0061	mg/L	0.00947	154.28%
Tl 190.801	-4.6	-0.0053	mg/L	0.00541	-0.0053	mg/L	0.00541	102.18%
V 292.402	1511.5	0.0160	mg/L	0.00030	0.0160	mg/L	0.00030	1.90%
Ti 334.940	35599.2	0.0535	mg/L	0.00036	0.0535	mg/L	0.00036	0.68%
Ca 227.546	8162.0	54.256	mg/L	0.0114	54.256	mg/L	0.0114	0.02%

Sequence No.: 18 Autosampler Location: 56
Sample ID: D0529-01BPDS,18177 Date Collected: 5/20/2005 2:24:44 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: D0529-01BPDS,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	1023780.8	38.608	mg/L	0.2769	38.608	mg/L	0.2769	0.72%
Cr 267.716	3034.4	0.0771	mg/L	0.00017	0.0771	mg/L	0.00017	0.22%
Cu 324.752	18798.0	0.1843	mg/L	0.00084	0.1843	mg/L	0.00084	0.46%
Fe 273.955	3725603.9	114.88	mg/L	0.857	114.88	mg/L	0.857	0.75%
Mg 279.077	1084208.9	51.112	mg/L	0.3897	51.112	mg/L	0.3897	0.76%
Mn 257.610	1598088.6	3.3858	mg/L	0.02339	3.3858	mg/L	0.02339	0.69%
Ni 231.604	2525.2	0.1825	mg/L	0.00019	0.1825	mg/L	0.00019	0.10%
Sb 206.836	75.4	0.1327	mg/L ✓	0.00645	0.1327	mg/L	0.00645	4.86%
Tl 190.801	1.6	0.0254	mg/L	0.00836	0.0254	mg/L	0.00836	32.98%
V 292.402	17096.6	0.1805	mg/L	0.00099	0.1805	mg/L	0.00099	0.55%
Ti 334.940	161401.0	0.2429	mg/L	0.00033	0.2429	mg/L	0.00033	0.13%
Ca 227.546	39364.4	261.91	mg/L	0.528	261.91	mg/L	0.528	0.20%

Sequence No.: 19 Autosampler Location: 57
Sample ID: MB-18176,18176 Date Collected: 5/20/2005 2:27:57 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: MB-18176,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	659.6	0.0249	mg/L	0.00116	0.0249	mg/L	0.00116	4.67%
Cr 267.716	5.5	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	12.10%
Cu 324.752	-20.1	-0.0002	mg/L	0.00012	-0.0002	mg/L	0.00012	75.36%
Fe 273.955	865.9	0.0267	mg/L	0.00072	0.0267	mg/L	0.00072	2.70%
Mg 279.077	73.3	0.0034	mg/L	0.00225	0.0034	mg/L	0.00225	65.13%
Mn 257.610	699.3	0.0015	mg/L	0.00007	0.0015	mg/L	0.00007	4.93%
Ni 231.604	3.6	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	12.05%
Sb 206.836	1.9	0.0035	mg/L	0.00047	0.0035	mg/L	0.00047	13.39%
Tl 190.801	-6.9	-0.0153	mg/L	0.01173	-0.0153	mg/L	0.01173	76.55%
V 292.402	-29.0	-0.0003	mg/L	0.00055	-0.0003	mg/L	0.00055	178.65%
Ti 334.940	135.8	0.0002	mg/L	0.00000	0.0002	mg/L	0.00000	1.89%
Ca 227.546	38.8	0.2605	mg/L	0.10476	0.2605	mg/L	0.10476	40.21%

Sequence No.: 20 Autosampler Location: 3
Sample ID: CCV Date Collected: 5/20/2005 2:31:03 PM

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	281882.6	10.695	mg/L	0.0327	10.695	mg/L	0.0327	0.31%
Cr 267.716	43724.0	1.1230	mg/L	0.00510	1.1230	mg/L	0.00510	0.45%
Cu 324.752	146313.7	1.2180	mg/L	0.00820	1.2180	mg/L	0.00820	0.67%
Fe 273.955	179440.3	5.4498	mg/L	0.01930	5.4498	mg/L	0.01930	0.35%
Mg 279.077	579556.5	27.364	mg/L	0.3059	27.364	mg/L	0.3059	1.12%
Mn 257.610	1256788.7	2.6632	mg/L	0.03102	2.6632	mg/L	0.03102	1.16%
Ni 231.604	41961.8	2.7721	mg/L	0.00328	2.7721	mg/L	0.00328	0.12%
Sb 206.836	298.5	0.5297	mg/L	0.00844	0.5297	mg/L	0.00844	1.59%
Tl 190.801	226.7	0.5036	mg/L	0.00428	0.5036	mg/L	0.00428	0.85%
V 292.402	258670.8	2.7310	mg/L	0.02419	2.7310	mg/L	0.02419	0.89%
Ti 334.940	249.4	0.0008	mg/L	0.00006	0.0008	mg/L	0.00006	7.43%
Ca 227.546	3972.0	26.276	mg/L	0.0025	26.276	mg/L	0.0025	0.01%

Sequence No.: 21
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/20/2005 2:34:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	539.8	0.0204	mg/L	0.00241	0.0204	mg/L	0.00241	11.84%
Cr 267.716	6.0	0.0002	mg/L	0.00028	0.0002	mg/L	0.00028	184.07%
Cu 324.752	-11.8	-0.0001	mg/L	0.00017	-0.0001	mg/L	0.00017	175.76%
Fe 273.955	124.3	0.0038	mg/L	0.00197	0.0038	mg/L	0.00197	51.51%
Mg 279.077	-58.2	-0.0027	mg/L	0.00068	-0.0027	mg/L	0.00068	24.76%
Mn 257.610	90.5	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	9.75%
Ni 231.604	3.8	0.0003	mg/L	0.00013	0.0003	mg/L	0.00013	52.69%
Sb 206.836	3.1	0.0057	mg/L	0.00240	0.0057	mg/L	0.00240	42.14%
Tl 190.801	-4.4	-0.0099	mg/L	0.00416	-0.0099	mg/L	0.00416	41.99%
V 292.402	1.4	0.0000	mg/L	0.00018	0.0000	mg/L	0.00018	>999.9%
Ti 334.940	-20.4	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	168.52%
Ca 227.546	11.9	0.0803	mg/L	0.04614	0.0803	mg/L	0.04614	57.45%

Sequence No.: 22
Sample ID: LCS-18176,18176
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 5/20/2005 2:37:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-18176,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	260886.0	9.8974	mg/L	0.06032	9.8974	mg/L	0.06032	0.61%
Cr 267.716	40311.6	1.0354	mg/L	0.00533	1.0354	mg/L	0.00533	0.51%
Cu 324.752	136835.7	1.1391	mg/L	0.00461	1.1391	mg/L	0.00461	0.40%
Fe 273.955	167015.3	5.0739	mg/L	0.03346	5.0739	mg/L	0.03346	0.66%
Mg 279.077	549952.6	25.966	mg/L	0.3594	25.966	mg/L	0.3594	1.38%
Mn 257.610	1189803.8	2.5212	mg/L	0.04072	2.5212	mg/L	0.04072	1.62%
Ni 231.604	39276.2	2.5947	mg/L	0.01414	2.5947	mg/L	0.01414	0.55%
Sb 206.836	300.0	0.5336	mg/L	0.01051	0.5336	mg/L	0.01051	1.97%
Tl 190.801	212.8	0.4730	mg/L	0.00709	0.4730	mg/L	0.00709	1.50%
V 292.402	236250.7	2.4943	mg/L	0.01002	2.4943	mg/L	0.01002	0.40%
Ti 334.940	-100.4	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	21.55%
Ca 227.546	3681.2	24.353	mg/L	0.0414	24.353	mg/L	0.0414	0.17%

Sequence No.: 23

Autosampler Location: 59

Sample ID: D0529-03D,18176
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 5/20/2005 2:40:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-03D,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	637.0	0.0240	mg/L	0.00445	0.0240	mg/L	0.00445	18.54%
Cr 267.716	14.5	0.0004	mg/L	0.00003	0.0004	mg/L	0.00003	9.01%
Cu 324.752	67.6	0.0006	mg/L	0.00026	0.0006	mg/L	0.00026	45.59%
Fe 273.955	532.1	0.0164	mg/L	0.00160	0.0164	mg/L	0.00160	9.73%
Mg 279.077	163.6	0.0077	mg/L	0.00358	0.0077	mg/L	0.00358	46.45%
Mn 257.610	804.2	0.0017	mg/L	0.00003	0.0017	mg/L	0.00003	1.95%
Ni 231.604	2.8	0.0002	mg/L	0.00029	0.0002	mg/L	0.00029	151.81%
Sb 206.836	1.4	0.0025	mg/L	0.00193	0.0025	mg/L	0.00193	76.02%
Tl 190.801	-3.0	-0.0066	mg/L	0.00449	-0.0066	mg/L	0.00449	68.05%
V 292.402	0.7	0.0000	mg/L	0.00022	0.0000	mg/L	0.00022	>999.9%
Ti 334.940	101.3	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	41.12%
Ca 227.546	50.3	0.3381	mg/L	0.04479	0.3381	mg/L	0.04479	13.25%

Sequence No.: 24
Sample ID: D0529-03DSD,18176
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 5/20/2005 2:43:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-03DSD,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	1382.8	0.0521	mg/L	0.00055	0.0521	mg/L	0.00055	1.06%
Cr 267.716	-1.9	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	94.00%
Cu 324.752	-28.0	-0.0002	mg/L	0.00063	-0.0002	mg/L	0.00063	273.16%
Fe 273.955	150.7	0.0047	mg/L	0.00107	0.0047	mg/L	0.00107	22.94%
Mg 279.077	91.5	0.0043	mg/L	0.00230	0.0043	mg/L	0.00230	53.23%
Mn 257.610	175.0	0.0004	mg/L	0.00016	0.0004	mg/L	0.00016	43.44%
Ni 231.604	-0.8	-0.0001	mg/L	0.00020	-0.0001	mg/L	0.00020	373.10%
Sb 206.836	-1.2	-0.0022	mg/L	0.00121	-0.0022	mg/L	0.00121	56.11%
Tl 190.801	-3.9	-0.0087	mg/L	0.00029	-0.0087	mg/L	0.00029	3.38%
V 292.402	-17.8	-0.0002	mg/L	0.00033	-0.0002	mg/L	0.00033	173.16%
Ti 334.940	29.4	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	82.07%
Ca 227.546	13.7	0.0922	mg/L	0.02821	0.0922	mg/L	0.02821	30.59%

Sequence No.: 25
Sample ID: D0565-01C,18176
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 5/20/2005 2:46:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0565-01C,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	1104.8	0.0417	mg/L	0.00379	0.0417	mg/L	0.00379	9.09%
Cr 267.716	27.7	0.0003	mg/L	0.00005	0.0003	mg/L	0.00005	17.34%
Cu 324.752	262.9	0.0022	mg/L	0.00010	0.0022	mg/L	0.00010	4.51%
Fe 273.955	4728.6	0.1458	mg/L	0.00146	0.1458	mg/L	0.00146	1.00%
Mg 279.077	88212.5	4.1684	mg/L	0.00246	4.1684	mg/L	0.00246	0.06%
Mn 257.610	612780.6	1.2987	mg/L	0.00005	1.2987	mg/L	0.00005	0.00%
Ni 231.604	14.0	0.0008	mg/L	0.00023	0.0008	mg/L	0.00023	29.00%
Sb 206.836	1.0	0.0020	mg/L	0.00253	0.0020	mg/L	0.00253	126.89%
Tl 190.801	-2.9	-0.0035	mg/L	0.00269	-0.0035	mg/L	0.00269	77.74%
V 292.402	-0.5	0.0001	mg/L	0.00051	0.0001	mg/L	0.00051	756.96%
Ti 334.940	-496.7	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	94.55%
Ca 227.546	3395.8	22.855	mg/L	0.1931	22.855	mg/L	0.1931	0.84%

Sequence No.: 26
Sample ID: D0565-01CSD,18176
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 5/20/2005 2:49:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0565-01CSD,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Al 308.215	743.7	0.0280	mg/L	0.00237	0.0280	mg/L	0.00237	8.45%
Cr 267.716	5.5	0.0001	mg/L	0.00021	0.0001	mg/L	0.00021	363.03%
Cu 324.752	11.4	0.0001	mg/L	0.00081	0.0001	mg/L	0.00081	760.35%
Fe 273.955	1146.0	0.0353	mg/L	0.00024	0.0353	mg/L	0.00024	0.67%
Mg 279.077	18164.7	0.8584	mg/L	0.00115	0.8584	mg/L	0.00115	0.13%
Mn 257.610	127049.5	0.2693	mg/L	0.00026	0.2693	mg/L	0.00026	0.10%
Ni 231.604	2.6	0.0002	mg/L	0.00020	0.0002	mg/L	0.00020	127.54%
Sb 206.836	0.3	0.0005	mg/L	0.00568	0.0005	mg/L	0.00568	>999.9%
Tl 190.801	-5.7	-0.0120	mg/L	0.00239	-0.0120	mg/L	0.00239	19.87%
V 292.402	10.8	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	58.64%
Ti 334.940	-171.8	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	25.45%
Ca 227.546	671.1	4.5166	mg/L	0.07947	4.5166	mg/L	0.07947	1.76%

Sequence No.: 27
Sample ID: CRI
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/20/2005 2:53:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Al 308.215	418.2	0.0184	mg/L	0.00130	0.0184	mg/L	0.00130	7.05%
Cr 267.716	902.6	0.0232	mg/L	0.00013	0.0232	mg/L	0.00013	0.54%
Cu 324.752	6131.3	0.0510	mg/L	0.00042	0.0510	mg/L	0.00042	0.82%
Fe 273.955	262.8	0.0047	mg/L	0.00047	0.0047	mg/L	0.00047	10.04%
Mg 279.077	-27.3	-0.0012	mg/L	0.00327	-0.0012	mg/L	0.00327	278.70%
Mn 257.610	16863.8	0.0357	mg/L	0.00006	0.0357	mg/L	0.00006	0.18%
Ni 231.604	1460.2	0.0964	mg/L	0.00031	0.0964	mg/L	0.00031	0.33%
Sb 206.836	71.6	0.1304	mg/L	0.00111	0.1304	mg/L	0.00111	0.85%
Tl 190.801	4.6	0.0100	mg/L	0.00418	0.0100	mg/L	0.00418	41.95%
V 292.402	10458.9	0.1104	mg/L	0.00113	0.1104	mg/L	0.00113	1.03%
Ti 334.940	-35.7	-0.0001	mg/L	0.00009	-0.0001	mg/L	0.00009	167.17%
Ca 227.546	22.8	0.1416	mg/L	0.02649	0.1416	mg/L	0.02649	18.71%

Sequence No.: 28
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/20/2005 2:56:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Al 308.215	12720010.9	479.64	mg/L	1.591	479.64	mg/L	1.591	0.33%
Cr 267.716	-91.1	-0.0025	mg/L	0.00004	-0.0025	mg/L	0.00004	1.52%
Cu 324.752	-6523.0	-0.0224	mg/L	0.00019	-0.0224	mg/L	0.00019	0.85%
Fe 273.955	5912855.4	182.33	mg/L	0.557	182.33	mg/L	0.557	0.31%
Mg 279.077	9941971.7	469.19	mg/L	1.168	469.19	mg/L	1.168	0.25%
Mn 257.610	4217.4	-0.0022	mg/L	0.00014	-0.0022	mg/L	0.00014	6.22%
Saturated outside survey window (code 6)								
Ni 231.604	56.2	0.0287	mg/L	0.00010	0.0287	mg/L	0.00010	0.34%
Sb 206.836	-0.5	-0.0076	mg/L	0.01296	-0.0076	mg/L	0.01296	171.65%
Tl 190.801	-11.6	0.0025	mg/L	0.00035	0.0025	mg/L	0.00035	13.91%
V 292.402	200.6	0.0021	mg/L	0.00000	0.0021	mg/L	0.00000	0.18%
Ti 334.940	-9618.0	0.0001	mg/L	0.00013	0.0001	mg/L	0.00013	93.21%
Ca 227.546	74889.0	499.22	mg/L	0.843	499.22	mg/L	0.843	0.17%

Sequence No.: 29
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/20/2005 2:59:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	12779416.5	481.89	mg/L	1.172	481.89	mg/L	1.172	0.24%
Cr 267.716	18876.9	0.4846	mg/L	0.00375	0.4846	mg/L	0.00375	0.77%
Cu 324.752	50794.7	0.4545	mg/L	0.00211	0.4545	mg/L	0.00211	0.46%
Fe 273.955	5961277.6	183.81	mg/L	0.575	183.81	mg/L	0.575	0.31%
Mg 279.077	10008461.0	472.33	mg/L	1.672	472.33	mg/L	1.672	0.35%
Mn 257.610	229637.6	0.4755	mg/L	0.00017	0.4755	mg/L	0.00017	0.04%
Saturated outside survey window (code 6)								
Ni 231.604	13613.3	0.9243	mg/L	0.00224	0.9243	mg/L	0.00224	0.24%
Sb 206.836	346.9	0.6194	mg/L	0.00233	0.6194	mg/L	0.00233	0.38%
Tl 190.801	21.9	0.0769	mg/L	0.00358	0.0769	mg/L	0.00358	4.65%
V 292.402	46124.4	0.4877	mg/L	0.00183	0.4877	mg/L	0.00183	0.38%
Ti 334.940	-9739.0	-0.0002	mg/L	0.00006	-0.0002	mg/L	0.00006	35.58%
Ca 227.546	75035.0	500.09	mg/L	0.334	500.09	mg/L	0.334	0.07%

Sequence No.: 30
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/20/2005 3:02:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	285679.1	10.839	mg/L	0.1037	10.839	mg/L	0.1037	0.96%
Cr 267.716	44219.9	1.1358	mg/L	0.00991	1.1358	mg/L	0.00991	0.87%
Cu 324.752	151450.6	1.2607	mg/L	0.01607	1.2607	mg/L	0.01607	1.27%
Fe 273.955	183030.4	5.5593	mg/L	0.06471	5.5593	mg/L	0.06471	1.16%
Mg 279.077	594049.5	28.048	mg/L	0.2737	28.048	mg/L	0.2737	0.98%
Mn 257.610	1293672.8	2.7413	mg/L	0.02226	2.7413	mg/L	0.02226	0.81%
Ni 231.604	42687.9	2.8201	mg/L	0.03601	2.8201	mg/L	0.03601	1.28%
Sb 206.836	302.1	0.5360	mg/L	0.00439	0.5360	mg/L	0.00439	0.82%
Tl 190.801	232.8	0.5172	mg/L	0.00088	0.5172	mg/L	0.00088	0.17%
V 292.402	262329.4	2.7696	mg/L	0.03362	2.7696	mg/L	0.03362	1.21%
Ti 334.940	332.0	0.0009	mg/L	0.00005	0.0009	mg/L	0.00005	5.37%
Ca 227.546	3978.9	26.314	mg/L	0.1005	26.314	mg/L	0.1005	0.38%

Sequence No.: 31
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/20/2005 3:05:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	522.4	0.0197	mg/L	0.00497	0.0197	mg/L	0.00497	25.20%
Cr 267.716	7.9	0.0002	mg/L	0.00000	0.0002	mg/L	0.00000	0.29%
Cu 324.752	11.1	0.0001	mg/L	0.00043	0.0001	mg/L	0.00043	458.42%
Fe 273.955	151.4	0.0047	mg/L	0.00132	0.0047	mg/L	0.00132	28.46%
Mg 279.077	84.0	0.0040	mg/L	0.00618	0.0040	mg/L	0.00618	155.98%
Mn 257.610	81.2	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	12.15%
Ni 231.604	2.3	0.0002	mg/L	0.00037	0.0002	mg/L	0.00037	238.39%
Sb 206.836	1.9	0.0035	mg/L	0.00078	0.0035	mg/L	0.00078	22.07%
Tl 190.801	-4.4	-0.0097	mg/L	0.00831	-0.0097	mg/L	0.00831	85.35%
V 292.402	47.6	0.0005	mg/L	0.00020	0.0005	mg/L	0.00020	39.01%

Ti 334.940	-33.9	0.0000 mg/L	0.00017	0.0000 mg/L	0.00017	358.50%
Ca 227.546	6.7	0.0450 mg/L	0.03990	0.0450 mg/L	0.03990	88.62%

Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 05/18/2005
Sample ID: S5.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.1106	0.5427	0.1109	03:20:30	Yes
2			0.1100	0.5419	0.1102	03:20:59	Yes
Mean:			0.1103				
SD :			0.0005				
%RSD:			0.4232				

[Hg] Standard number 4 applied. [5.00]
Correlation Coefficient: 0.99930 Slope: 0.02230

Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 05/18/2005
Sample ID: S10.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.2408	1.2057	0.2411	03:21:50	Yes
2			-0.0003	-0.0113	-0.0001	03:22:20	Yes
Mean:			0.1202				
SD :			0.1705				
%RSD:			141.8229				

[Hg] Standard number 5 applied. [10.00]
Correlation Coefficient: 0.91142 Slope: 0.01570

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
S0	0.0002	--	----	----	----
S0.2	0.0038	0.20	0.24	0.000	6.6
S1.0	0.0227	1.00	1.44	0.000	----
S2.0	0.0473	2.00	3.01	0.000	----
S5.0	0.1103	5.00	7.03	0.000	0.4
S10.0	0.1202	10.00	7.66	0.171	141.8

Correlation Coefficient: 0.91142 Slope: 0.01570 ----

Element: Hg Seq. No.: 7 AS Loc.: 7 Date: 05/18/2005
Sample ID: ICV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.99	2.99	0.0470	0.2350	0.0472	03:23:10	Yes

Method Name: Mercury-ILM
Method Description: Mercury
Element: Hg

D0529 ok for Hg. QW 5/18/05
D0565
D0523
ILM41-Hg
FIMS_050519

Date: 05/18/2005
Technique:FI-MHS
Calibration Type:
Hg, Zero Intercept: Linear
Wavelength: 253.7 nm
Sample Info Name: QW.SIF Results Data Set Name: HY0505182

Element: Hg Seq. No.: 1 AS Loc.: 1 Date: 05/18/2005
Sample ID: S0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	0.0000	0.0001	0.0000	03:25:24	Yes
2	0.0000	0.0001	0.0000	03:25:53	Yes
Mean:	0.0000				
SD :	0.0000				
%RSD:	11.8929				

Auto-zero performed.

==========

Element: Hg Seq. No.: 2 AS Loc.: 2 Date: 05/18/2005
Sample ID: S0.2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0052	0.0221	0.0052	03:26:43	Yes
2			0.0052	0.0227	0.0053	03:27:13	Yes
Mean:			0.0052				
SD :			0.0001				
%RSD:			1.1523				

[Hg] Standard number 1 applied. [0.20]
Correlation Coefficient: 1.00000 Slope: 0.02598

==========

Element: Hg Seq. No.: 3 AS Loc.: 3 Date: 05/18/2005
Sample ID: S1.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0229	0.1105	0.0230	03:28:04	Yes
2			0.0228	0.1102	0.0229	03:28:33	Yes
Mean:			0.0229				
SD :			0.0001				
%RSD:			0.3841				

[Hg] Standard number 2 applied. [1.00]
Correlation Coefficient: 0.99891 Slope: 0.02302

==========

Element: Hg Seq. No.: 4 AS Loc.: 4 Date: 05/18/2005
Sample ID: S2.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0474	0.2320	0.0474	03:29:24	Yes
2			0.0475	0.2323	0.0475	03:29:53	Yes
Mean:			0.0474				
SD :			0.0001				
%RSD:			0.1821				

[Hg] Standard number 3 applied. [2.00]
Correlation Coefficient: 0.99957 Slope: 0.02357

==========

Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 05/18/2005
Sample ID: S5.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.1113	0.5431	0.1114	03:30:44	Yes
2			0.1107	0.5405	0.1108	03:31:13	Yes
Mean:			0.1110				
SD :			0.0004				
%RSD:			0.3925				

[Hg] Standard number 4 applied. [5.00]
Correlation Coefficient: 0.99936 Slope: 0.02245

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Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 05/18/2005
Sample ID: S10.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.2412	1.1982	0.2412	03:32:04	Yes
2			0.2412	1.1934	0.2412	03:32:33	Yes
Mean:			0.2412				
SD :			0.0000				
%RSD:							

[Hg] Standard number 5 applied. [10.00]
Correlation Coefficient: 0.99897 Slope: 0.02375

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
S0	0.0000	--	----	----	----
S0.2	0.0052	0.20	0.22	0.000	1.2
S1.0	0.0229	1.00	0.96	0.000	0.4
S2.0	0.0474	2.00	2.00	0.000	0.2
S5.0	0.1110	5.00	4.67	0.000	0.4
S10.0	0.2412	10.00	10.15	0.000	----
Correlation Coefficient: 0.99897		Slope:	0.02375	----	

==========

Element: Hg Seq. No.: 7 AS Loc.: 7 Date: 05/18/2005
Sample ID: ICV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.04	2.04	0.0485	0.2319	0.0485	03:33:23	Yes
2	2.03	2.03	0.0482	0.2311	0.0482	03:33:52	Yes
Mean:	2.03	2.03	0.0483				
SD :	0.008	0.008	0.0002				
%RSD:	0.4	0.4	0.4028				

QC value within specified limits.

==========

Element: Hg Seq. No.: 8 AS Loc.: 1 Date: 05/18/2005
Sample ID: ICB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0000	0.0002	0.0001	03:34:44	Yes
2	0.00	0.00	0.0001	0.0004	0.0001	03:35:13	Yes
Mean:	0.00	0.00	0.0000				
SD :	0.002	0.002	0.0000				
%RSD:	84.2	84.2	84.2059				

QC value within specified limits.

==========

Element: Hg Seq. No.: 9 AS Loc.: 9 Date: 05/18/2005
Sample ID: CRA

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.22	0.22	0.0051	0.0251	0.0051	03:36:03	Yes
2	0.21	0.21	0.0051	0.0247	0.0051	03:36:33	Yes
Mean:	0.21	0.21	0.0051				
SD :	0.001	0.001	0.0000				
%RSD:	0.3	0.3	0.2660				

==========

Element: Hg Seq. No.: 10 AS Loc.: 10 Date: 05/18/2005
Sample ID: CCV

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Time	Peak

#	µg/L	µg/L	Signal	Area	Height		Stored
1	4.69	4.69	0.1113	0.5460	0.1114	03:37:22	Yes
2	4.68	4.68	0.1111	0.5438	0.1111	03:37:52	Yes
Mean:	4.68	4.68	0.1112				
SD :	0.009	0.009	0.0002				
%RSD:	0.2	0.2	0.1816				

Element: Hg Seq. No.: 11 AS Loc.: 11 Date: 05/18/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0000	-0.0005	0.0000	03:38:42	Yes
2	0.00	0.00	0.0000	-0.0002	0.0000	03:39:11	Yes
Mean:	0.00	0.00	0.0000				
SD :	0.001	0.001	0.0000				
%RSD:	136.4	136.4	136.3836				

Element: Hg Seq. No.: 12 AS Loc.: 12 Date: 05/18/2005
Sample ID: MB-18173

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0000	0.0007	0.0001	03:40:01	Yes
2	0.00	0.00	0.0000	-0.0003	0.0000	03:40:30	Yes
Mean:	0.00	0.00	0.0000				
SD :	0.002	0.002	0.0000				
%RSD:	716.0	716.0	715.9548				

Element: Hg Seq. No.: 13 AS Loc.: 13 Date: 05/18/2005 132ml
Sample ID: D0529-03D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	-0.0001	-0.0006	0.0000	03:41:20	Yes
2	0.00	0.00	0.0000	-0.0008	0.0000	03:41:50	Yes
Mean:	0.00	0.00	0.0000				
SD :	0.001	0.001	0.0000				
%RSD:	46.1	46.1	46.1020				

Element: Hg Seq. No.: 14 AS Loc.: 14 Date: 05/18/2005 134ml
Sample ID: D0565-01C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0001	0.0011	0.0001	03:42:40	Yes
2	0.00	0.00	0.0000	-0.0001	0.0000	03:43:09	Yes
Mean:	0.00	0.00	0.0000				
SD :	0.003	0.003	0.0001				
%RSD:	164.5	164.5	164.4561				

Element: Hg Seq. No.: 15 AS Loc.: 15 Date: 05/18/2005 132ml
Sample ID: D0565-01CDUP

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0000	-0.0003	0.0000	03:43:59	Yes
2	0.00	0.00	0.0001	0.0010	0.0001	03:44:28	Yes
Mean:	0.00	0.00	0.0000				
SD :	0.003	0.003	0.0001				
%RSD:	260.0	260.0	260.0476				

Element: Hg Seq. No.: 16 AS Loc.: 16 Date: 05/18/2005
Sample ID: D0565-01CMS 13 2 m 1

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.77	0.77	0.0183	0.0876	0.0183	03:45:18	Yes
2	0.76	0.76	0.0180	0.0860	0.0180	03:45:47	Yes
Mean:	0.76	0.76	0.0181				
SD :	0.008	0.008	0.0002				
%RSD:	1.0	1.0	1.0031				

Element: Hg Seq. No.: 17 AS Loc.: 7 Date: 05/18/2005
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.62	4.62	0.1098	0.5406	0.1099	03:46:38	Yes
2	4.62	4.62	0.1098	0.5380	0.1098	03:47:08	Yes
Mean:	4.62	4.62	0.1098				
SD :	0.001	0.001	0.0000				
%RSD:							

QC value within specified limits.

Element: Hg Seq. No.: 18 AS Loc.: 1 Date: 05/18/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0000	-0.0007	0.0000	03:48:01	Yes
2	0.00	0.00	0.0001	-0.0001	0.0001	03:48:30	Yes
Mean:	0.00	0.00	0.0000				
SD :	0.002	0.002	0.0001				
%RSD:	326.7	326.7	326.7423				

QC value within specified limits.

Element: Hg Seq. No.: 19 AS Loc.: 17 Date: 05/18/2005
Sample ID: MB-18174

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0001	0.0008	0.0001	03:49:20	Yes
2	0.00	0.00	0.0001	0.0008	0.0001	03:49:49	Yes
Mean:	0.00	0.00	0.0001				
SD :	0.001	0.001	0.0000				
%RSD:	32.8	32.8	32.8282				

Element: Hg Seq. No.: 20 AS Loc.: 18 Date: 05/18/2005
Sample ID: LCS-18174

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	19.65	19.65	0.4667	2.3362	0.4667	03:50:39	Yes
Sample absorbance is greater than that of the highest standard.							
2	19.66	19.66	0.4670	2.3362	0.4671	03:51:08	Yes
Sample absorbance is greater than that of the highest standard.							
Mean:	19.65	19.65	0.4669				
SD :	0.009	0.009	0.0002				
%RSD:							

QW 5/18/05

Sample absorbance is greater than that of the highest standard.

Element: Hg Seq. No.: 21 AS Loc.: 19 Date: 05/18/2005

Sample ID: D0523-01A 0.2g

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.02	0.02	0.0004	0.0016	0.0005	03:51:58	Yes
2	0.03	0.03	0.0007	0.0038	0.0007	03:52:27	Yes
Mean:	0.02	0.02	0.0006				
SD :	0.008	0.008	0.0002				
%RSD:	33.3	33.3	33.2579				

Element: Hg Seq. No.: 22 AS Loc.: 20 Date: 05/18/2005
Sample ID: D0529-01B 0.2g

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01	0.01	0.0003	0.0026	0.0003	03:53:17	Yes
2	0.01	0.01	0.0002	0.0016	0.0002	03:53:46	Yes
Mean:	0.01	0.01	0.0002				
SD :	0.002	0.002	0.0001				
%RSD:	23.8	23.8	23.8369				

Element: Hg Seq. No.: 23 AS Loc.: 21 Date: 05/18/2005
Sample ID: D0529-01BDUP 0.2g

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01	0.01	0.0002	0.0014	0.0003	03:54:36	Yes
2	0.01	0.01	0.0002	0.0009	0.0002	03:55:06	Yes
Mean:	0.01	0.01	0.0002				
SD :	0.002	0.002	0.0000				
%RSD:	21.9	21.9	21.9244				

Element: Hg Seq. No.: 24 AS Loc.: 22 Date: 05/18/2005
Sample ID: D0529-01BMS 0.2g

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.02	2.02	0.0479	0.2303	0.0479	03:55:56	Yes
2	2.04	2.04	0.0484	0.2314	0.0484	03:56:26	Yes
Mean:	2.03	2.03	0.0481				
SD :	0.015	0.015	0.0003				
%RSD:	0.7	0.7	0.7265				

Element: Hg Seq. No.: 25 AS Loc.: 23 Date: 05/18/2005
Sample ID: ~~BLK~~ LCS-18174 x10 dilution 0.2g

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.25	2.25	0.0535	0.2524	0.0536	03:57:16	Yes
2	2.23	2.23	0.0530	0.2510	0.0531	03:57:45	Yes
Mean:	2.24	2.24	0.0533				
SD :	0.015	0.015	0.0004				
%RSD:	0.7	0.7	0.6610				

Element: Hg Seq. No.: 26 AS Loc.: 24 Date: 05/18/2005
Sample ID: BLK

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0000	-0.0001	0.0000	03:58:35	Yes
2	0.00	0.00	0.0000	0.0003	0.0001	03:59:04	Yes
Mean:	0.00	0.00	0.0000				

SD :	0.001	0.001	0.0000
%RSD:	129.1	129.1	129.1031

Element: Hg Seq. No.: 27 AS Loc.: 7 Date: 05/18/2005
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.69	4.69	0.1114	0.5446	0.1114	03:59:55	Yes
2	4.69	4.69	0.1114	0.5440	0.1114	04:00:24	Yes
Mean:	4.69	4.69	0.1114				
SD :	0.000	0.000	0.0000				
%RSD:							

QC value within specified limits.

Element: Hg Seq. No.: 28 AS Loc.: 1 Date: 05/18/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0001	0.0000	0.0001	04:01:16	Yes
2	0.01	0.01	0.0002	0.0014	0.0002	04:01:46	Yes
Mean:	0.01	0.01	0.0001				
SD :	0.004	0.004	0.0001				
%RSD:	68.6	68.6	68.5936				

QC value within specified limits.

D0529-01 (D0523-01 (ILM4.0-0.5), D0538 1-3 D0537-1-12 (SW9012.5) OK JP 5/13/05

Lachat 1-050513A (9012)

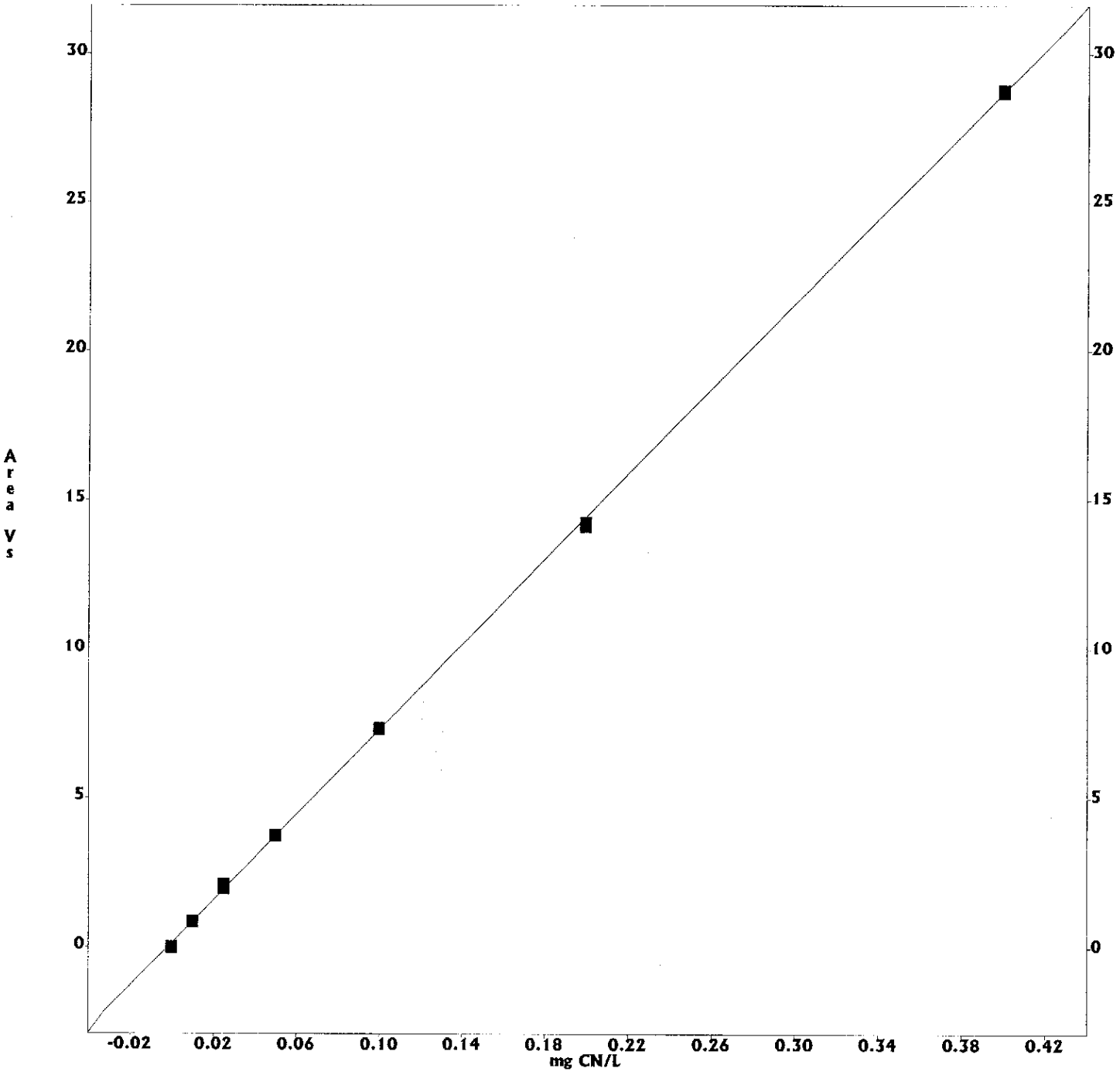
Lachat 1_050513B (ILM4.1)

CN

Lvl	Area	mg CN/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	4238	0.000	4238	54481				35527.1	121.0	
2	881897	0.010	881897	851578				21439.1	2.5	-1.6
3	2141675	0.025	2141675	1959739				128648.4	6.3	-11.2
4	3771188	0.050	3771188	3731539				28036.4	0.7	-1.3
5	7304528	0.100	7304528	7360875				39843.3	0.5	-0.1
6	14256975	0.200	14256975	14116125				99596.0	0.7	1.3
7	28780656	0.400	28780656	28694570				60872.0	0.2	-0.2

1st Order Poly
Conc = 1.401e-008 Area - 2.189e-003
r = 0.9999

Scaling: None - Weighting: None



Printed: Friday, May 13, 2005 - 01:45 PM

OPERATOR: rsmith
ACQ. TIME: May 13, 2005 11:41:55
DATA FILENAME: C:\OMNION\DATA\CN\MAY05\C051305A.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\MAY05\C051305A.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\MAY05\C051305A.TRA

TRAY DESCRIPTION:
Created: May 13, 2005 10:37:55
Modified: May 13, 2005 11:41:16
ANALYSIS: CYANIDE ANALYST: SN
DATA DESCRIPTION:
Created: May 13, 2005 11:41:55
Modified: May 13, 2005 11:41:55

Multi-Channel Table
Type: Calibration Standards
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (uv-s)	Man Dil Factor	Weight	Unit
7	S0	13 May 2005	11:42:17	2	29359.1501	1.0	1.00000	g
8	S0.01	13 May 2005	11:44:49	2	866737.2500	1.0	1.00000	g
9	S0.025	13 May 2005	11:47:21	2	2050706.8125	1.0	1.00000	g
10	S0.05	13 May 2005	11:49:53	2	3751363.2500	1.0	1.00000	g
11	S0.10	13 May 2005	11:52:24	2	7332701.0000	1.0	1.00000	g
12	S0.20	13 May 2005	11:54:55	2	4186550.0000	1.0	1.00000	g
13	S0.40	13 May 2005	11:57:27	2	8737613.0000	1.0	1.00000	g

OPERATOR: rsmith
ACQ. TIME: May 13, 2005 11:41:55
DATA FILENAME: C:\OMNION\DATA\CN\MAY05\C051305A.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\MAY05\C051305A.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\MAY05\C051305A.TRA

TRAY DESCRIPTION:
Created: May 13, 2005 10:37:55
Modified: May 13, 2005 11:41:16
ANALYSIS: CYANIDE ANALYST: SN
DATA DESCRIPTION:
Created: May 13, 2005 11:41:55
Modified: May 13, 2005 11:41:55

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg CN/L)	Man Dil Factor	Weight	Unit
1	ICV	13 May 2005	12:00:53	2	0.2715	1.0	1.00000	g 109%
2	ICB	13 May 2005	12:03:24	2	-0.0021	1.0	1.00000	g
3	CRA	13 May 2005	12:05:55	2	0.0092	1.0	1.00000	g 92%
4	CCV	13 May 2005	12:08:27	2	0.2230	1.0	1.00000	g 112%
5	CCB	13 May 2005	12:10:59	2	-0.0021	1.0	1.00000	g
6	STD@0.1	13 May 2005	12:13:30	2	0.0905	1.0	1.00000	g 91%
7	STD@0.2	13 May 2005	12:16:02	2	0.1862	1.0	1.00000	g 93%
8	MB-18105	13 May 2005	12:18:33	2	-0.0019	1.0	1.00000	g
9	LCS-18105	13 May 2005	12:21:04	2	0.0980	1.0	1.00000	g 98%
10	CCV	13 May 2005	12:23:36	2	0.2245	1.0	1.00000	g 112%
11	CCB	13 May 2005	12:26:08	2	-0.0061	1.0	1.00000	g
12	D0537-01B	13 May 2005	12:28:38	2	-0.0016	1.0	1.00000	g
13	D0537-01BDUP	13 May 2005	12:31:09	2	-0.0011	1.0	1.00000	g
14	D0537-01BMS	13 May 2005	12:33:41	2	0.1172	1.0	1.00000	g 118%
15	D0537-02B	13 May 2005	12:36:12	2	-0.0021	1.0	1.00000	g
16	D0537-03B	13 May 2005	12:38:44	2	-0.0026	1.0	1.00000	g
17	D0537-04B	13 May 2005	12:41:15	2	-0.0008	1.0	1.00000	g
18	D0537-05B	13 May 2005	12:43:45	2	0.0047	1.0	1.00000	g
19	D0537-06B	13 May 2005	12:46:17	2	0.0004	1.0	1.00000	g
20	CCV	13 May 2005	12:48:48	2	0.2245	1.0	1.00000	g 112%
21	CCB	13 May 2005	12:51:19	2	-0.0020	1.0	1.00000	g
22	D0537-07B	13 May 2005	12:53:51	2	-0.0022	1.0	1.00000	g
23	D0537-08B	13 May 2005	12:56:23	2	-0.0012	1.0	1.00000	g
24	D0537-09B	13 May 2005	12:58:54	2	-0.0022	1.0	1.00000	g
25	D0537-10B	13 May 2005	13:01:25	2	-0.0022	1.0	1.00000	g
26	D0537-11B	13 May 2005	13:03:57	2	-0.0025	1.0	1.00000	g
27	D0537-12B	13 May 2005	13:06:29	2	-0.0012	1.0	1.00000	g
28	D0538-01C	13 May 2005	13:09:01	2	0.0051	1.0	1.00000	g
29	D0538-02C	13 May 2005	13:11:32	2	0.0026	1.0	1.00000	g
30	CCV	13 May 2005	13:14:04	2	0.2197	1.0	1.00000	g 110%

OPERATOR: rsmith
ACQ. TIME: May 13, 2005 11:41:55
DATA FILENAME: C:\OMNION\DATA\CN\MAY05\C051305A.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\MAY05\C051305A.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\MAY05\C051305A.TRA

TRAY DESCRIPTION:
Created: May 13, 2005 10:37:55
Modified: May 13, 2005 11:41:16
ANALYSIS: CYANIDE ANALYST: SN
DATA DESCRIPTION:
Created: May 13, 2005 11:41:55
Modified: May 13, 2005 11:41:55

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 31 to 50

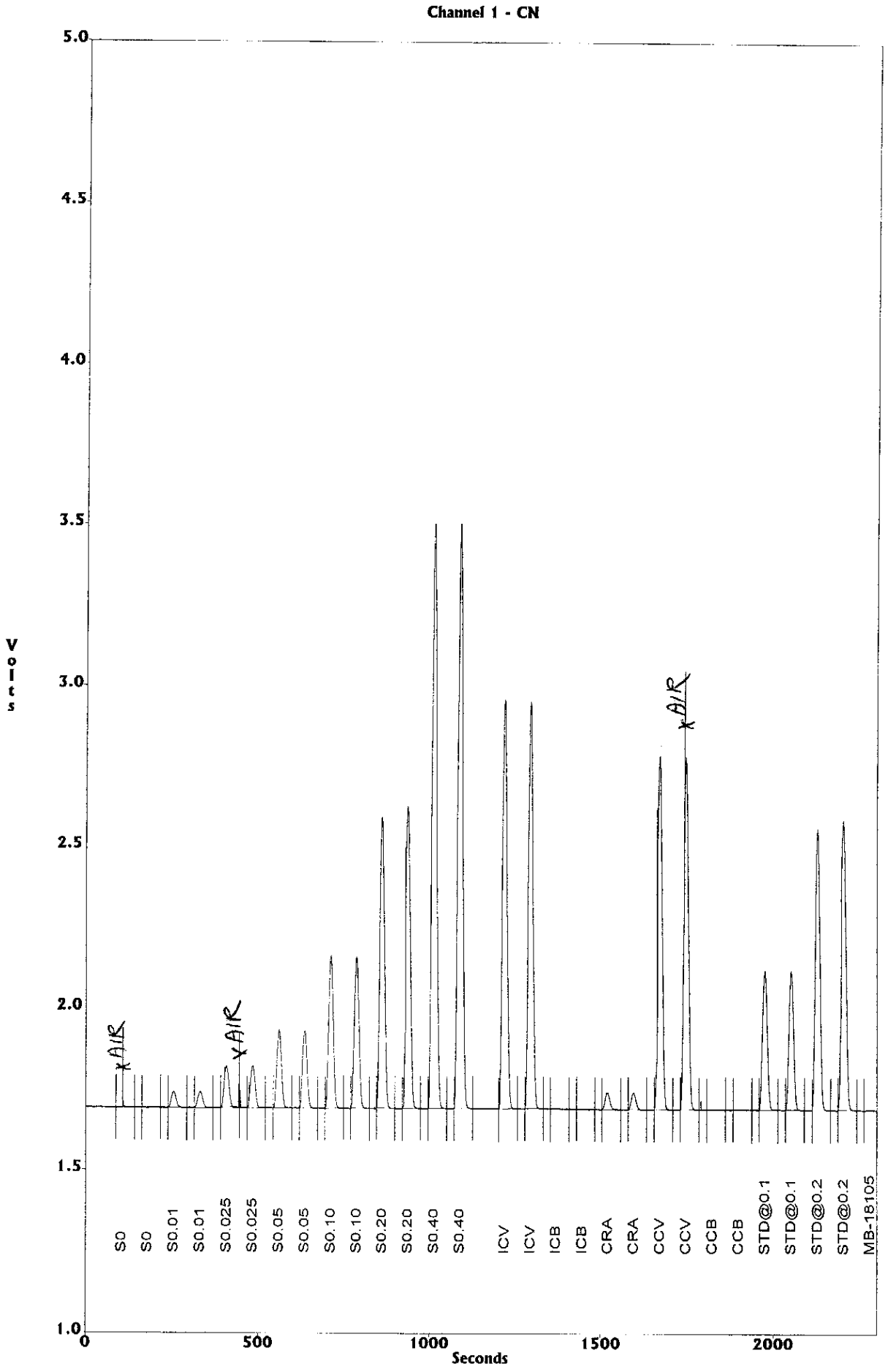
Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg CN/L)	Man Dil Factor	Weight	Unit
31	CCB	13 May 2005	13:16:35	2	-0.0023	1.0	1.00000	g
~~32~~	~~D0538-03C~~	~~13 May 2005~~	~~13:19:05~~	2	~~-0.0012~~	~~1.0~~	~~1.00000~~	g
33	MB-18106	13 May 2005	13:21:37	2	-0.0023	1.0	1.00000	g
34	LCS-18106	13 May 2005	13:24:09	2	~~1.2689~~	1.0	1.00000	g
~~35~~	~~D0529-01B~~	~~13 May 2005~~	~~13:26:40~~	2	-0.0012	1.0	1.00000	g
36	D0529-01BDUP	13 May 2005	13:29:12	2	~~-0.0018~~	1.0	1.00000	g
37	D0529-01BMS	13 May 2005	13:31:44	2	0.1043	1.0	~~1.00000~~	g
38	D0523-01B	13 May 2005	13:34:16	2	-0.0027	1.0	1.00000	g
39	CCV	13 May 2005	13:36:47	2	0.2181	1.0	1.00000	g
40	CCB	13 May 2005	13:39:19	2	-0.0021	1.0	1.00000	g
41	SOLVENT	13 May 2005	13:41:50	2	-0.0022	1.0	1.00000	g

OPERATOR: rsmith
ACQ. TIME: May 13, 2005 14:44:27
DATA FILENAME: C:\OMNION\DATA\CN\MAY05\C051305B.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\MAY05\C051305B.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\MAY05\C051305B.TRA

TRAY DESCRIPTION:
Created: May 13, 2005 14:35:11
Modified: May 13, 2005 14:35:11
ANALYSIS: CYANIDE ANALYST: SN
DATA DESCRIPTION:
Created: May 13, 2005 14:44:27
Modified: May 13, 2005 14:44:27

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg CN/L)	Man Dil Factor	Weight	Unit
1	LCS-18106	13 May 2005	14:45:06	2	0.1583	10.0	1.00000	g 76.8
2	CCV	13 May 2005	14:47:38	2	0.2162	1.0	1.00000	g 108%
3	CCB	13 May 2005	14:50:10	2	-0.0027	1.0	1.00000	g
4	SOLVENT	13 May 2005	14:52:41	2	-0.0017	1.0	1.00000	g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4.0
3.5
3.0
2.5
2.0
1.5
1.0
0
500
1000
1500
2000
Seconds
AIR
AIR
AIR
S0
S0
S0.01
S0.01
S0.025
S0.025
S0.05
S0.05
S0.10
S0.10
S0.20
S0.20
S0.40
S0.40
ICV
ICV
ICB
ICB
CRA
CRA
CCV
CCV
CCB
CCB
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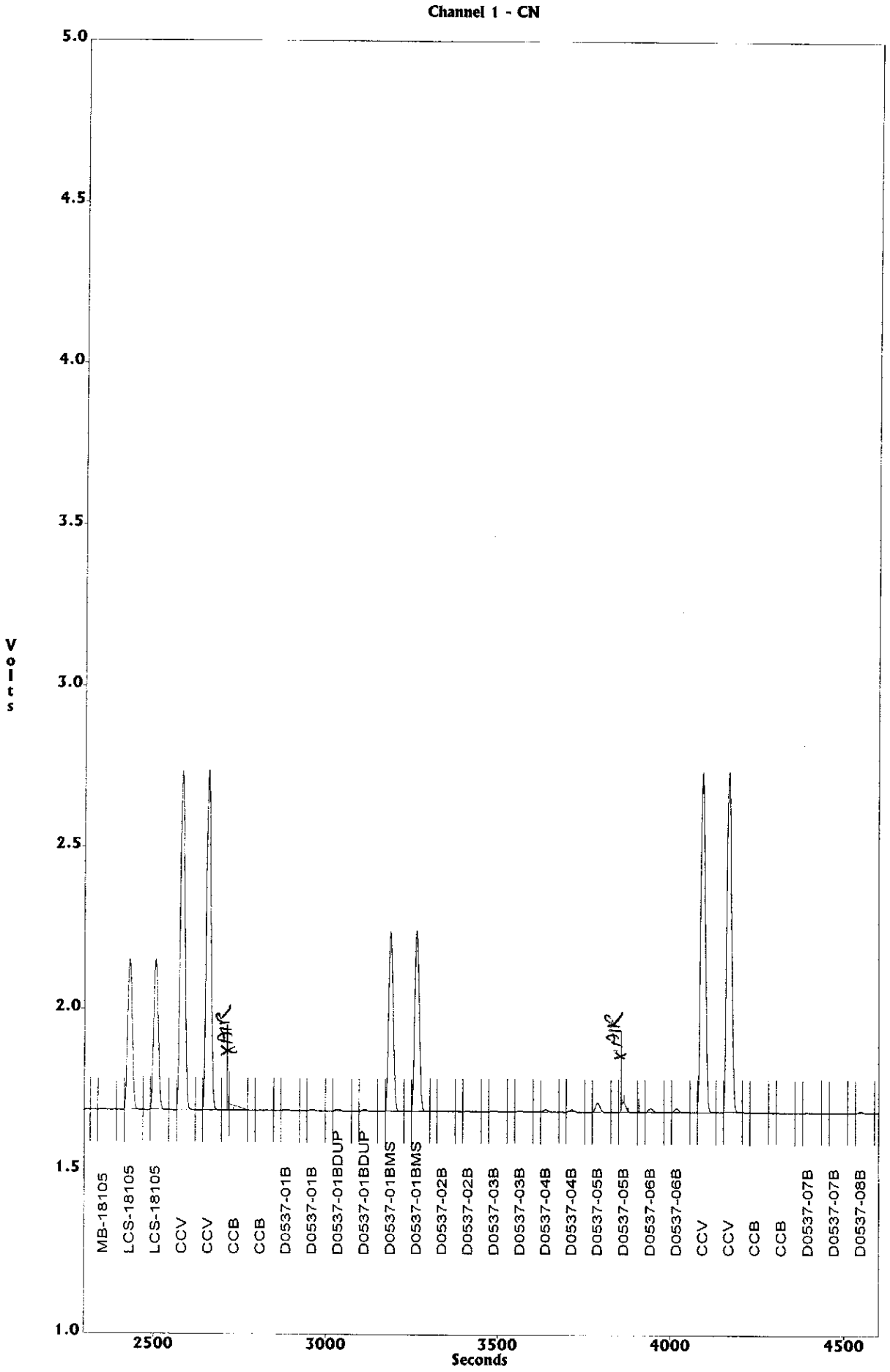
STD@0.1
STD@0.2
STD@0.2
MB-18105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2.5
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3000
3500
4000
4500
Seconds
MB-18105
LCS-18105
LCS-18105
CCV
CCV
CCB
CCB
D0537-01B
D0537-01B
D0537-01BDUP
D0537-01BDUP
D0537-01BMS
D0537-01BMS
D0537-02B
D0537-02B
D0537-03B
D0537-03B
D0537-04B
D0537-04B
D0537-05B
D0537-05B
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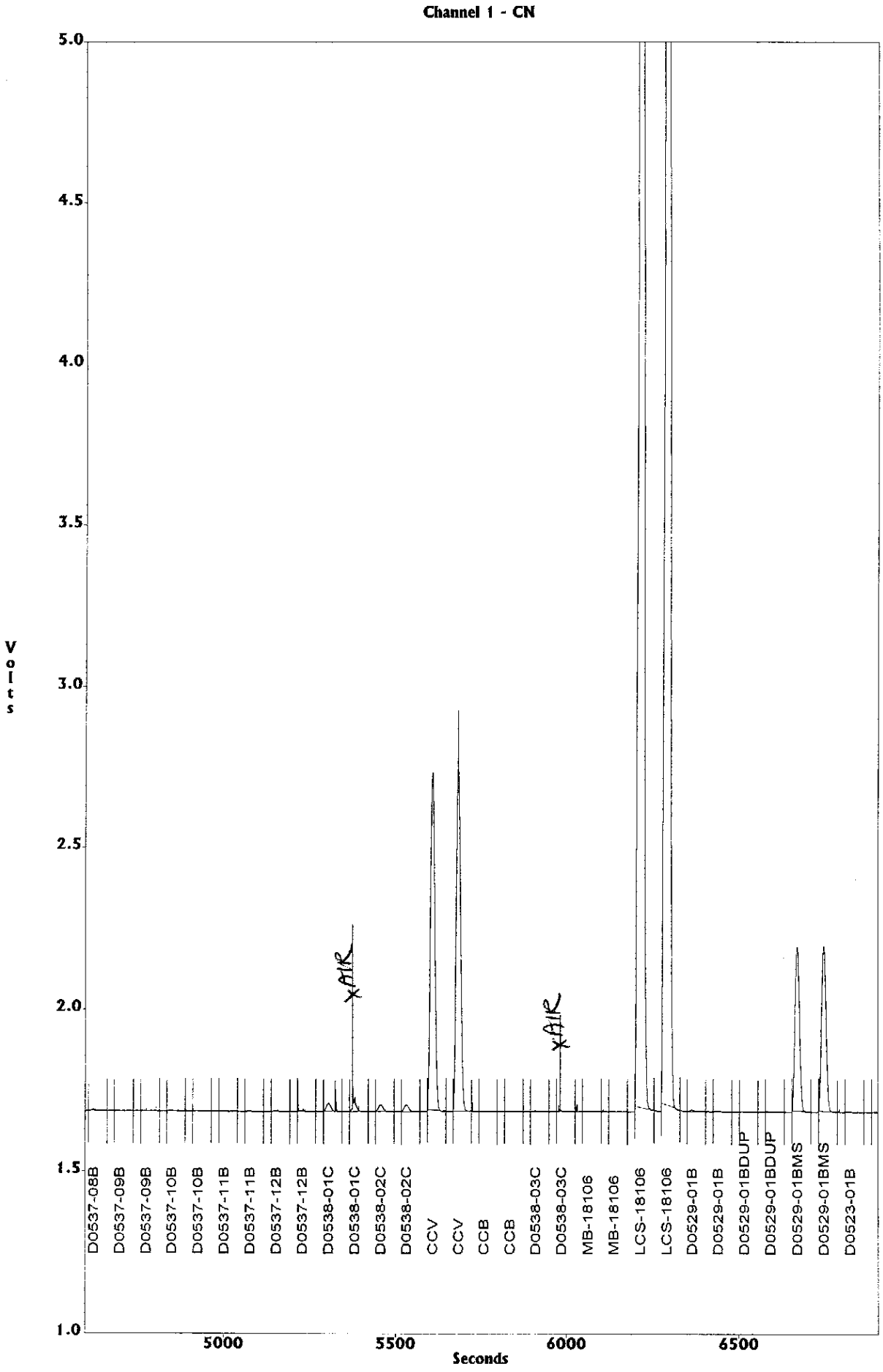
CCB
D0537-07B
D0537-07B
D0537-08B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1.0
Volts
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D0537-09B
D0537-09B
D0537-10B
D0537-10B
D0537-11B
D0537-11B
D0537-12B
D0537-12B
D0538-01C
D0538-01C
D0538-02C
D0538-02C
CCV
CCV
CCB
CCB
D0538-03C
D0538-03C
MB-18106
MB-18106
LCS-18106
LCS-18106
D0529-01B
D0529-01B
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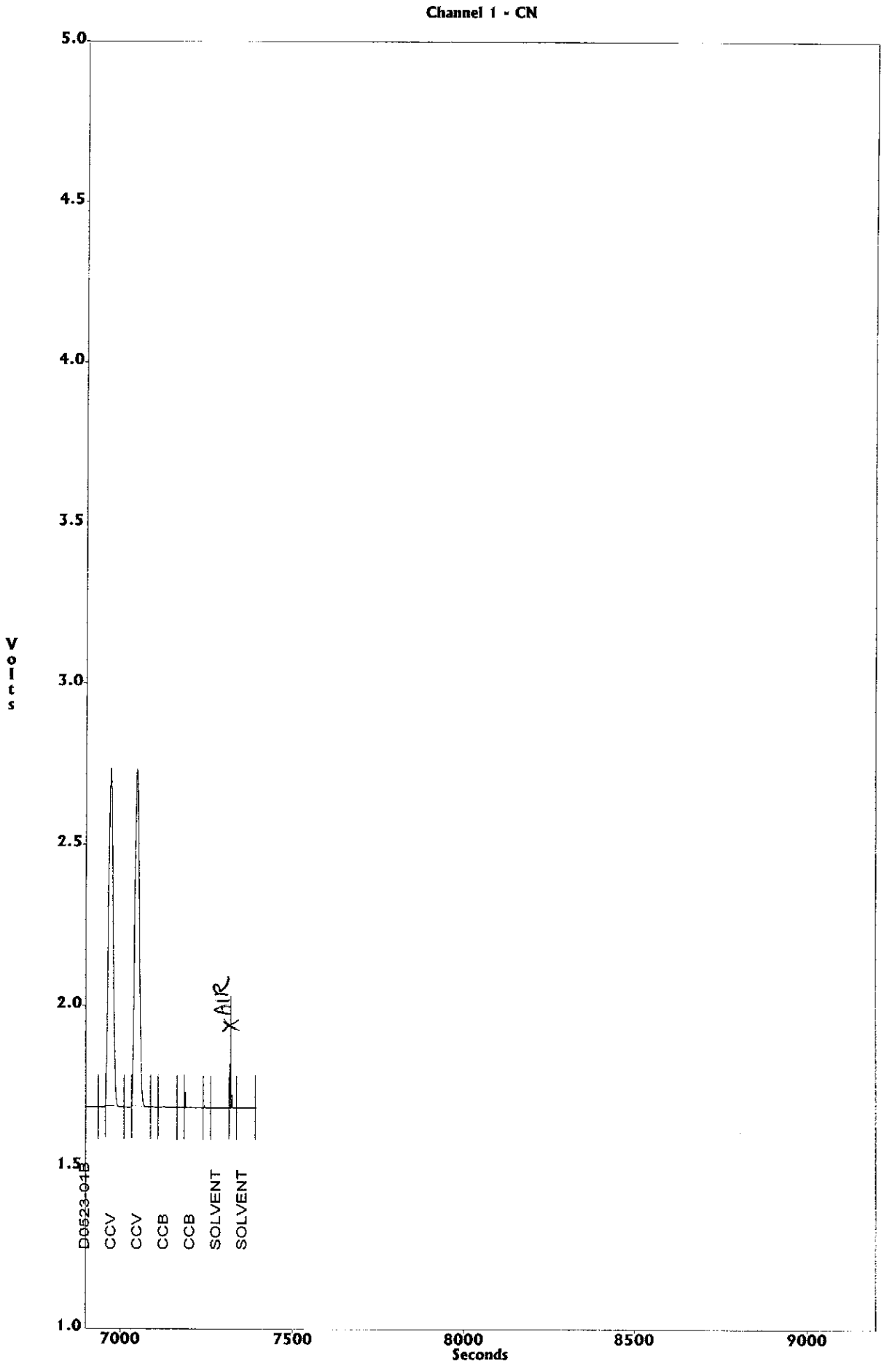
Seconds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2.0
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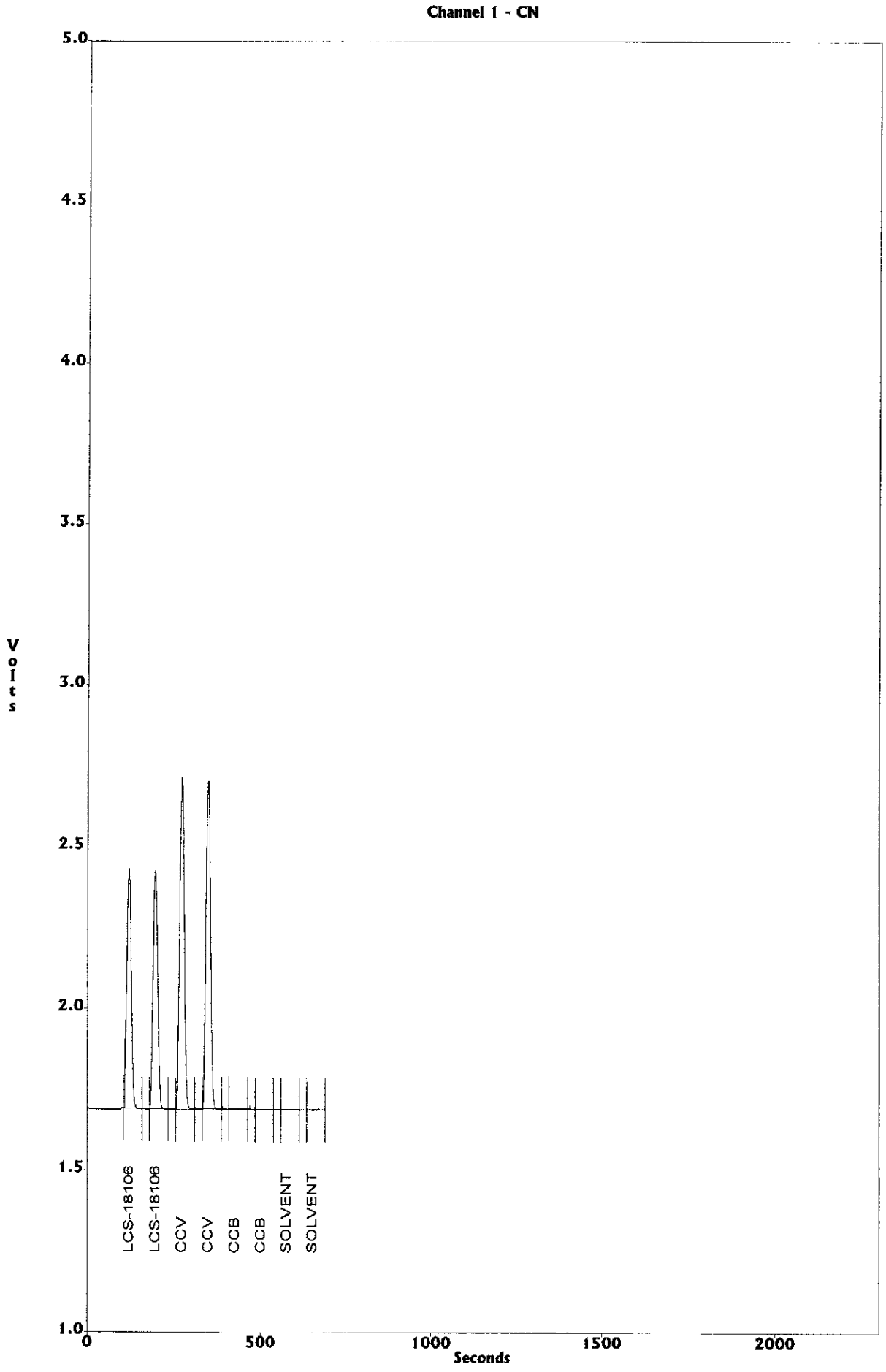
CCB
SOLVENT
SOLVENT
AIR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4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
LCS-18106
LCS-18106
CCV
CCV
CCB
CCB
SOLVENT
SOLVENT
0
500
1000
1500
2000
Seconds

Creator: rsmith
Creation Date: May 13, 2005 10:37:55
Last Modified: May 13, 2005 10:37:55
Description: ANALYSIS: CYANIDE ANALYST: SN

Cup #	Sample ID	Manual Dilution	Sample Type
7	S0	1.0000	CalStd
8	S0.01	1.0000	CalStd
9	S0.025	1.0000	CalStd
10	S0.05	1.0000	CalStd
11	S0.10	1.0000	CalStd
12	S0.20	1.0000	CalStd
13	S0.40	1.0000	CalStd
1	ICV	1.0000	Unknown
2	ICB	1.0000	Unknown
3	CRA	1.0000	Unknown
4	CCV	1.0000	Unknown
5	CCB	1.0000	Unknown
6	STD@0.1	1.0000	Unknown
7	STD@0.2	1.0000	Unknown
8	MB-18105	1.0000	Unknown
9	LCS-18105	1.0000	Unknown
10	CCV	1.0000	Unknown
11	CCB	1.0000	Unknown
12	D0537-01B	1.0000	Unknown
13	D0537-01BDUP	1.0000	Unknown
14	D0537-01BMS	1.0000	Unknown
15	D0537-02B	1.0000	Unknown
16	D0537-03B	1.0000	Unknown
17	D0537-04B	1.0000	Unknown
18	D0537-05B	1.0000	Unknown
19	D0537-06B	1.0000	Unknown
20	CCV	1.0000	Unknown
21	CCB	1.0000	Unknown
22	D0537-07B	1.0000	Unknown
23	D0537-08B	1.0000	Unknown
24	D0537-09B	1.0000	Unknown
25	D0537-10B	1.0000	Unknown
26	D0537-11B	1.0000	Unknown
27	D0537-12B	1.0000	Unknown
28	D0538-01C	1.0000	Unknown
29	D0538-02C	1.0000	Unknown
30	CCV	1.0000	Unknown
31	CCB	1.0000	Unknown
32	D0538-03C	1.0000	Unknown
33	MB-18106	1.0000	Unknown
34	LCS-18106	1.0000	Unknown
35	D0529-01B	1.0000	Unknown

Cup #	Sample ID	Manual Dilution	Sample Type	
36	D0529-01BDUP	1.0000	Unknown	
37	D0529-01BMS	1.0000	Unknown	
38	D0523-01B	1.0000	Unknown	
39	CCV	1.0000	Unknown	
40	CCB	1.0000	Unknown	
41	SOLVENT	1.0000	Unknown	

Creator: rsmith
Creation Date: May 13, 2005 14:14:23
Last Modified: May 13, 2005 14:14:23
Description: ANALYSIS: CYANIDE ANALYST: SN

Cup #	Sample ID	Manual Dilution	Sample Type	
7	S0	1.0000	CalStd	
8	S0.01	1.0000	CalStd	
9	S0.025	1.0000	CalStd	
10	S0.05	1.0000	CalStd	
11	S0.10	1.0000	CalStd	
12	S0.20	1.0000	CalStd	
13	S0.40	1.0000	CalStd	
1	LCS-18106	10.0000	Unknown	
2	CCV	1.0000	Unknown	
3	CCB	1.0000	Unknown	
4	SOLVENT	1.0000	Unknown	

MITKEM CORPORATION SAMPLE RUN LOG: LACHAT INSTRUMENT

Date: 5/13/05 Analyst: SW

Analyses: Channel 1: ~~SW~~ CN Channel 2:

* results in mg/L

AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID
S1	$0.0	12	D0537 01B	32	D0538 03C	52		72	
S2	$0.01	13	01BDup	33	MB-18106	53		73	
S3	$0.025	14	01BMS	34	LCS-18106	54		74	
S4	$0.05	15	02B	35	D0529 01B	55		75	
S5	$0.10	16	03B	36	D0529 01BDup	56		76	
S6	$0.20	17	04B	37	D0529 01BMS	57		77	
S7	$0.40	18	05B	38	D0523 01B	58		78	
S8	SW 5/13/05	19	D0537 06B	39	CCV	59		79	
S9		20	CCV	40	CCB	60		80	
1	ICV	21	CCB	41	solvent	61		81	
2	ICB	22	D0537 07B	42	LCS-18106	62		82	
3	CRA	23	08B	43	CCV	63		83	
4	CCV	24	09B	44	CCB	64		84	
5	CCB	25	10B	45	solvent	65		85	
6	STD@ 0.1	26	11B	46		66		86	
7	STD @ 0.2	27	D0537 12B	47	SW 5/13/05	67		87	
8	MB-18105	28	D0538 01C	48		68		88	
9	LCS-18105	29	D0538 02C	49		69		89	
10	CCV	30	CCV	50		70		90	
11	CCB	31	CCB	51		71		91	

SW 5/13/05

*Report all results in mg/L

DATA FILE NAME C051305 a,b

METHOD FILE NAME

TRAY FILE NAME

REPORT FILE NAME C051305 a,b

Reagent Lots

Pyridine IR05050902

NaOH IR05051301

KH2PO4 IR05051205

Barbituric Acid IR05050902

Chloramine-T IR05051303

Other

CCV: IWW05050303

curve: IWW05050701

Curve on 5/13/05

m =

b =

r = 0.9999

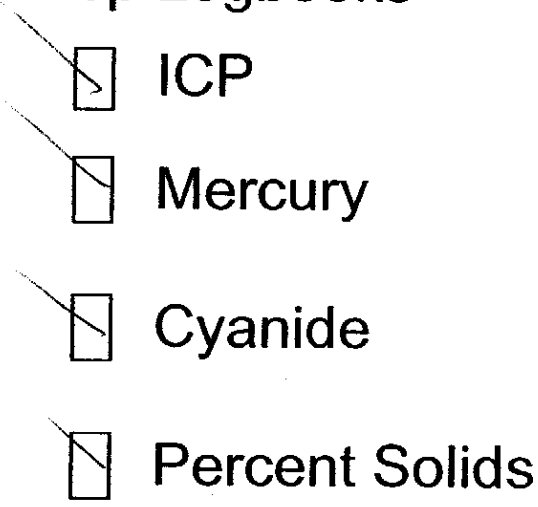
Logbook ID 100.0144-02/05

Reviewed by

Logbook page 039

0562

Prep Logbooks



D0523

ILM

MITKEM CORPORATION: Soil/Solid Metals Prep Logbook

Date	Sample ID		Client ID	Sample Wt. (g)	Sample Color Before	Texture	1:1 HNO_3 ml	Conc. HNO_3 ml	30% H_2O_2 ml	Conc. HCl ml	Sample Color After	Sample Clarity After	Final Volume ml	Comments	Analyst
5/18/05	PBSS-18177		—	1.00	—	—	10	5	10	5	Colorless	clear	200		SW
	LCSS-18177		D041540	1.00	brown	fine					pale yellow	clear			
	D0523	01A	B-190	1.49	brown	muddy					pale yellow	clear			
	D0529	01B	B-3 (9.0')	SW 1.434	mix color	rocks					pale yellow	clear			
	D0529	01BDup	B-3 (9.0')	1.34	mix color	rocks					pale yellow	clear			
5/18/05	D0529	01BMS	B-3 (9.0')	1.34	mix color	rocks	10	5	10	5	pale yellow	clear	200		SW

SW 5/18/05

HCl Lot# 4104090
HNO3 Lot# 1104060
H2O2 Lot# 043211

Method: 100.0101
SOP#: ILM 4.1

Digestion Temp: 95 oC
LCS/Spike Lot No.:
I040430A
I040302E } 200ml
I041897F

RELINQUISHED TO: SW 5/18/05

Logbook ID 100.0124-03/05

Reviewed By: _____

Page #: 082

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ILM Soil

MITKEM CORPORATION: Mercury Digestion Logbook

D0523

Date	Bottle No.	Sample ID		Client ID	Sample Vol (ml)/ Wt (g)	Reagents Added: Conc. H_2SO_4 (ml)	Conc. HNO_3 (ml)	5% $KMnO_4$ (ml)	5% K_2SO_4 (ml)	Aqua-regia (ml)	Final Volume (ml)	Comments	Analyst
5/18/05	336A	PBSS-18174		—		5	2.5	15	8	—	100		SW
	157	LCSS-18174		D041540	0.20								
	326F	D0523	01A	B-190	0.20								
	108	D0529	01B	B-3(9.0')	0.20								
	152	D0529	01BDUP	B-3(9.0')	0.20								
5/18/05	313	D0529	01BMS	B-3(9.0')	0.20	5	2.5	15	8	—	100		SW

SW 5/18/05

Waters
In: N/A
Out:
Matrix: Aqueous

Soils
In: 13:28 5/18/05 Out: 13:30
In: 13:30 Out: 14:00
Matrix: Soil/Solid

LCSS D041540
Spike I1050503A

Temp: 95 °C

H_2SO_4 Lot # 3103091
HNO_3 Lot # 1104060
HCl Lot # 4104090
KMnO4 Lot # 050469
K2S2O8 Lot# 026215
Method # ~~SW~~ ILM 4.1

RELINQUISHED TO: Dan 5/18/05

Reviewed by:

MITKEM CORPORATION: CYANIDE DISTILLATION LOGBOOK

Date: 5/12/05 Time On: 14:30 Time Off: 16:30 Analyst: SW/KB

Place #	Lab ID		Sample Vol (ml) Weight (g)	Sample pH	Pb Ac Paper (Y/N)	O.1N NaAsO2 (ml)	KI Test (Y/N)	4N Sulfamic Acid (ml)	50% H2SO4	2.5M MgCl2 (ml)	Final Volume
1	D0538	03C	1.25	—	N	—	N	0.5	5	2	50
2	PBSS -18106		1.00								50
3	LCSS		1.03								50
4	D0529	01B	1.03 5/12/05 KB								50
5	D0529	01BDUP	1.03 5/12/05 KB								50
6	D0529	01BMS	1.04								50
7	D0523	01B	1.25								50
8	std 0.2		50	—	N	—	N	0.5	5	2	50
9											50
10											50
1											50
2											50
3											50
4											50
5											50
6											50
7											50
8											50
9											50
10											50

5/12/05 KB

LCS ID: IWP041105A D0537

Sulfamic Acid: _____ see p. 11 $MgCl_2$: _____ Spike ID: IWI050502

Na_2AsO_2: _____ Cad. Carbonate: _____ ICV ID: _____

H_2SO_4: _____ Temp: _____ Std.0.2: IWL050512

Logbook ID: 100.0169-04/05 Reviewed By: _____

0566

Percent Moisture and Percent Solids Report

Mitkem Sample ID	*Client Sample ID*	*Analyzed*	*Percent Moisture*	*Percent Solids*	*Validated*
D0523-01A	*B-1 (9.0')*	05/17/2005	10	90	Yes

Last Page of Data Report

MITKEM CORPORATION

"Environmental Testing For The New Millennium"

June 1, 2005

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Chris Davidson

RE: Client Project: 5 Hunt Road, Jamestown, NY
Lab Work Order #: D0529

Dear Mr. Davidson:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project.

If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

Agnes R. Ng
CLP Project Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499 • www.mitkem.com

MITKEM CORPORATION

* Data Summary Pack *

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Identification and Analytical Requirements Summary

Project Name: **5 HUNTS ROAD** SDG: **D0529**

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOA GC/MS Method #	SVOA GC/MS Method #	Pest/PCB Method #	Metals	Other
B-390	D0529-01	ASP	ASP	ASP	ASP	SEE DATA
B-330	D0529-02	ASP				
RINSATE2	D0529-03	ASP	ASP	ASP	ASP	SEE DATA

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **5 HUNTS ROAD** SDG: **D0529**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0529-01C	SL	5/5/05	5/7/05	5/13/05, 5/16/05	5/13/05, 5/16/05
D0529-01CMS	SL	5/5/05	5/7/05	↓	↓
D0529-01CMSD	SL	5/5/05	5/7/05	↓	↓
D0529-02A	SL	5/5/05	5/7/05	↓	5/13/05, 5/17/05
D0529-03A	AQ	5/5/05	5/7/05	NA	5/13/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Semivolatile (SVOA) Analyses

Project Name: **5 HUNTS ROAD** SDG: **D0529**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0529-01A	SL	5/5/05	5/7/05	5/13/05	5/25/05
D0529-01AMS	SL	5/5/05	5/7/05	↓	↓
D0529-01AMSD	SL	5/5/05	5/7/05	↓	↓
D0529-03B	AQ	5/5/05	5/7/05	5/12/05	5/25/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Pesticides/PCB Analyses

Project Name: **5 HUNTS ROAD** SDG: **D0529**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0529-01A	SL	5/5/05	5/7/05	5/13/05	5/26/05
D0529-01AMS	SL	5/5/05	5/7/05	↓	↓
D0529-01AMSD	SL	5/5/05	5/7/05	↓	↓
D0529-03B	AQ	5/5/05	5/7/05	5/12/05	5/26/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **5 HUNTS ROAD** SDG: **D0529**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
D0529-01C	SL	ASP	NA; Methanol	Low; Medium	1; 125
D0529-01CMS	SL	ASP	↓	↓	↓
D0529-01CMSD	SL	ASP	↓	↓	↓
D0529-02A	SL	ASP	NA; Methanol	Low; Medium	5; 6100
D0529-03A	AQ	ASP	NA	NA	1

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Semivolatile (SVOA) Analyses

Project Name: **5 HUNTS ROAD** SDG: **D0529**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D0529-01A	SL	ASP	3550B	GPC	1
D0529-01AMS	SL	ASP	↓	↓	↓
D0529-01AMSD	SL	ASP	↓	↓	↓
D0529-03B	AQ	ASP	3520C	NA	1

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Pesticides/PCB Analyses

Project Name: **5 HUNTS ROAD** SDG: **D0529**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D0529-01A	SL	ASP	3550B	GPC/Florisil/copper	1
D0529-01AMS	SL	ASP	↓	↓	↓
D0529-01AMSD	SL	ASP	↓	↓	↓
D0529-03B	AQ	ASP	3510C	Florisil/copper	1

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Inorganic Analyses

Project Name: **5 HUNTS ROAD** SDG: **D0529**

Laboratory Sample ID	Matrix	Metals Requested	Date Received by Lab	Date Analyzed
D0529-01A	SL	6010/7471	5/7/05	5/13/05 - 5/20/05
D0529-01AMS	SL	6010/7471	5/7/05	↓
D0529-01AMSD	SL	6010/7471	5/7/05	↓
D0529-03D	AQ	6010/7471	5/7/05	5/13/05 - 5/20/05

NYASP 10/95

Analytical Data Package for Day Environmental, Inc.

Client Project No.: 5 Hunt Road, Jamestown, NY

Mitkem Work Order ID: D0529

June 1, 2005

Prepared For:

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Chris Davidson

Prepared By:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Day Environmental Inc.'s 5 Hunt Road, Jamestown, NY project. Under this deliverable, analysis results are presented for one aqueous and two soil samples that were received on May 7, 2005. Analyses were performed per specifications in the project's contract and the chain of custody forms. Sample Identifications were shortened where necessary due to limitations in data reporting software. Following the narrative is a table of sample identifications for cross-referencing full client sample ID, shortened client sample ID and laboratory sample ID, along with the Mitkem Work Order.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatiles Analysis:

Trap used for instruments V5 and V6: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

Alkanes were determined as part of TIC. The alkanes are reported in the Alkane Narrative Report following the SDG Narrative.

The aqueous sample was acid preserved; pH <2.

Surrogate recovery: recoveries were within the QC limits with the exception of high recovery of bromofluorobenzene in sample B-330. The sample was re-analyzed at dilution with surrogate recoveries within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample B-390 for both the low-level and medium-level analyses. Spike recoveries and replicate RPDs were within the QC limits.

Sample analysis: sample B-330 was initially analyzed using 1g of sample. This is equivalent to a 5x dilution. Due to high concentration of target analytes, samples B-330 and B-390 were re-analyzed at dilution by medium-level analysis. In addition to the medium-level analysis, sample B-330 was further analyzed at 50x dilution. No other unusual observation was made for the analysis.

3. Semivolatile Analysis:

GC column: 30 m x 0.25 mm id (0.5 um film thickness) DB-5MS capillary column

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/lab control sample duplicate: spike recoveries were within the QC limits with the exception of high recovery of 4-nitrophenol and pentachlorophenol in S1WLCS and high recovery of 4-nitrophenol in the duplicate. Replicate RPDs were within the QC limits.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample B-390. Spike recoveries and replicate RPDs were within the QC limits.

Sample analysis: no other unusual observation was made for the analysis.

4. Pesticides/PCB Analysis:

GC column used: 30 m x 0.53 mm id (0.5 um film thickness) CLPPest and 30 m x 0.53 mm id (0.42 um film thickness) CLPPestII megabore columns

Surrogate recovery: recoveries were within the QC limits with the exception of high recovery of tetrachloro-m-xylene in one column for sample RINSATE2.

Lab control sample/lab control sample duplicate: spike recoveries and replicate RPDs were within the QC limits.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample B-390. Spike recoveries and replicate RPDs were within the QC limits.

Sample analysis: no other unusual observation was made for the analysis.

5. Metals Analysis:

Mercury was analyzed using a Perkin Elmer Model 100 FIMS cold vapor atomic absorption analyzer. The other elements were analyzed using either a Perkin Elmer Model 3100XL Optima or a Perkin Elmer Model 4300DV ICAP.

Lab control sample: spike recoveries were within the QC limits.

Matrix spike: matrix spike was performed on sample B-390. Spike recoveries were within the QC limits with the exception of antimony, selenium and silver. Antimony, selenium and silver are flagged with an "N" on the data report forms. A post digest spike was performed and reported for antimony and selenium. The percent recovery for manganese could not be accurately determined, as the sample concentration was significantly greater than the spike concentration. When the sample concentration is more than four times the spike concentration, it tends to obscure the relatively smaller spike amount; control limits do not apply in this circumstance.

Matrix duplicate: matrix duplicate was performed on sample B-390. Replicate RPDs were within the QC limits with the exception of arsenic, calcium, chromium, iron, magnesium and manganese. These elements are flagged with an "*" on the data report forms.

Sample analysis: serial dilution was performed on samples B-390 and RINSATE2 with spike recoveries within the QC limits with the exception of copper for sample B-390. Copper is flagged with an "E" on the data report forms. No other unusual observation was made for the analysis.

6. Cyanide Analysis:

The cyanide samples were prepared using minidistill apparatus by Kontes. The resultant distillates were analyzed using a Lachat QuikChem 8000 autoanalyzer.

Lab control sample: spike recovery was within the QC limits.

Matrix spike: matrix spike was performed on soil sample B-390 and aqueous sample RINSATE2. Spike recovery was within the QC limits for both samples.

Matrix duplicate: matrix duplicate was performed on soil sample B-390 and aqueous sample RINSATE2. Replicate RPD was within the QC limits for both samples.

Sample analysis: no unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Agnes Ng
CLP Project Manager
06/01/05

ALKANE NARRATIVE REPORT
Report date : 05/31/2005
SDG: MD0529

Client Sample ID: B-330 Lab Sample ID: D0529-02A File ID: V5F9954

Compound	RT	Est. Conc.	Q
Branched Alkane	10.12	5200	J
Cyclic Alkane	10.25	9100	J
Branched Alkane	11.74	3400	J

Client Sample ID: B-330DL Lab Sample ID: D0529-02ADL File ID: V6D6175

Compound	RT	Est. Conc.	Q
Branched Alkane	10.41	280000	JD
Branched Alkane	11.85	430000	JD
Cyclic Alkane	12.18	210000	JD
Branched Alkane	12.40	190000	JD
Branched Alkane	12.55	220000	JD

Mitkem Corporation

11/May/05 09:37

WorkOrder: D0529

Client ID: DAY
Project: Jamestown
Location: 5 HUNTS ROAD
Comments: N/A

Case:
SDG:
PO: 3563S-04

Report Level: ASP-B
EDD:
HC Due: 05/30/05
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage
D0529-01A	B-390	05/05/05 08:43	05/07/05	Soil	OLM4.2_PH	NYS CLP - ADD LCS, OLM	☐	☑	☐	C2
					OLM4.2_PP_S	NYS CLP - ADD LCS, OLM	☐	☑	☐	C2
					OLM4.2_SVOA_S	NYS CLP - ADD LCS, OLM	☐	☑	☐	C2
					PMoist		☐	☐	☐	C2
D0529-01B	B-390	05/05/05 08:43	05/07/05	Soil	ILM4.1_CN_S		☐	☑	☐	C2
					ILM4.1_HG_S	ILM	☐	☑	☐	C2
					ILM4.1_ICP_S	ILM	☐	☑	☑	C2
D0529-01C	B-390	05/05/05 08:43	05/07/05	Soil	OLM4.2_VOA_LOW_S	NYS CLP - ADD LCS	☐	☑	☐	VOA
D0529-02A	B-330	05/05/05 08:29	05/07/05	Soil	OLM4.2_VOA_LOW_S	NYS CLP - ADD LCS	☐	☐	☐	VOA
					PMoist		☐	☐	☐	VOA
D0529-03A	RINSATE2	05/05/05 07:45	05/07/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0529-03B	RINSATE2	05/05/05 07:45	05/07/05	Aqueous	OLM4.2_PP_W	NYS CLP - ADD LCS	☐	☐	☐	C2
					OLM4.2_SVOA_W	NYS CLP - ADD LCS	☐	☐	☐	C2

Client Rep: Agnes R Ng

0007

Mitkem Corporation

11/May/05 09:37

WorkOrder: D0529

Client ID: DAY
Project: Jamestown
Location: 5 HUNTS ROAD
Comments: N/A

Case:
SDG:
PO: 3563S-04

Report Level: ASP-B
EDD:
HC Due: 05/30/05
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage
D0529-03C	RINSATE2	05/05/05 07:45	05/07/05	Aqueous	ILM4.1_CN_W		☐	☐	☐	C2
D0529-03D	RINSATE2	05/05/05 07:45	05/07/05	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M4
					ILM4.1_ICP_W	ILM	☐	☐	☑	M4

Client Rep: Agnes R Ng

8000

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-330

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-02A

Sample wt/vol: 1.0(g/mL) G Lab File ID: V5F9954

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 13 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	57	U
74-87-3	Chloromethane	57	U
75-01-4	Vinyl Chloride	50	J
74-83-9	Bromomethane	57	U
75-00-3	Chloroethane	57	U
75-69-4	Trichlorofluoromethane	57	U
75-35-4	1,1-Dichloroethene	57	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	57	U
67-64-1	Acetone	57	U
75-15-0	Carbon Disulfide	57	U
79-20-9	Methyl Acetate	57	U
75-09-2	Methylene Chloride	14	J
156-60-5	trans-1,2-Dichloroethene	13	J
1634-04-4	Methyl tert-Butyl Ether	57	U
75-34-3	1,1-Dichloroethane	57	U
156-59-2	cis-1,2-Dichloroethene	1100	
78-93-3	2-Butanone	57	U
67-66-3	Chloroform	57	U
71-55-6	1,1,1-Trichloroethane	14	J
110-82-7	Cyclohexane	57	U
56-23-5	Carbon Tetrachloride	57	U
71-43-2	Benzene	57	U
107-06-2	1,2-Dichloroethane	57	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-330

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-02A

Sample wt/vol: 1.0(g/mL) G Lab File ID: V5F9954

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 13 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	6500	E
108-87-2	Methylcyclohexane	17	J
78-87-5	1,2-Dichloropropane	57	U
75-27-4	Bromodichloromethane	57	U
10061-01-5	cis-1,3-Dichloropropene	57	U
108-10-1	4-Methyl-2-Pentanone	57	U
108-88-3	Toluene	8	J
10061-02-6	trans-1,3-Dichloropropene	57	U
79-00-5	1,1,2-Trichloroethane	57	U
127-18-4	Tetrachloroethene	12000	E
591-78-6	2-Hexanone	57	U
124-48-1	Dibromochloromethane	57	U
106-93-4	1,2-Dibromoethane	57	U
108-90-7	Chlorobenzene	8	J
100-41-4	Ethylbenzene	6	J
1330-20-7	Xylene (Total)	10	J
100-42-5	Styrene	57	U
75-25-2	Bromoform	57	U
98-82-8	Isopropylbenzene	57	U
79-34-5	1,1,2,2-Tetrachloroethane	57	U
541-73-1	1,3-Dichlorobenzene	57	U
106-46-7	1,4-Dichlorobenzene	57	U
95-50-1	1,2-Dichlorobenzene	57	U
96-12-8	1,2-Dibromo-3-chloropropane	57	U
120-82-1	1,2,4-Trichlorobenzene	57	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-330

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-02A

Sample wt/vol: 1.0 (g/mL) G Lab File ID: V5F9954

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 13 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.95	1500	J
2.	UNKNOWN	9.85	2200	J
3.	BRANCHED ALKANE	10.12	5200	J
4.	CYCLIC ALKANE	10.25	9100	J
5.	UNKNOWN	10.37	1500	J
6.	UNKNOWN	10.46	5300	J
7.	UNKNOWN	10.78	4900	J
8.	UNKNOWN	10.94	2200	J
9.	UNKNOWN	11.07	2400	J
10.	UNKNOWN	11.13	4100	J
11.	UNKNOWN	11.21	1400	J
12.	UNKNOWN	11.35	3500	J
13.	UNKNOWN	11.48	3500	J
14.	UNKNOWN	11.57	5100	J
15.	UNKNOWN	11.67	3400	J
16.	BRANCHED ALKANE	11.74	3400	J
17.	UNKNOWN	11.83	3400	J
18.	UNKNOWN	11.98	3800	J
19.	UNKNOWN	12.03	3100	J
20.	UNKNOWN	12.08	3400	J
21.	UNKNOWN	12.18	7600	J
22.	UNKNOWN	12.30	3100	J
23. 91-17-8	NAPHTHALENE, DECAHYDRO-	12.40	5300	NJ
24.	UNKNOWN	12.57	6400	J
25.	UNKNOWN	12.64	4600	J
26.	UNKNOWN	12.78	1400	J
27.	UNKNOWN	12.90	2100	J
28.	UNKNOWN	12.98	3400	J
29.	UNKNOWN	13.18	2900	J
30.	UNKNOWN	13.29	5200	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-330DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-02ADL

Sample wt/vol: 4.1(g/mL) G Lab File ID: V6D6175

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 13 Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	70000	U
74-87-3	Chloromethane	70000	U
75-01-4	Vinyl Chloride	70000	U
74-83-9	Bromomethane	70000	U
75-00-3	Chloroethane	70000	U
75-69-4	Trichlorofluoromethane	70000	U
75-35-4	1,1-Dichloroethene	70000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	70000	U
67-64-1	Acetone	70000	U
75-15-0	Carbon Disulfide	70000	U
79-20-9	Methyl Acetate	70000	U
75-09-2	Methylene Chloride	70000	U
156-60-5	trans-1,2-Dichloroethene	70000	U
1634-04-4	Methyl tert-Butyl Ether	70000	U
75-34-3	1,1-Dichloroethane	70000	U
156-59-2	cis-1,2-Dichloroethene	70000	U
78-93-3	2-Butanone	70000	U
67-66-3	Chloroform	70000	U
71-55-6	1,1,1-Trichloroethane	70000	U
110-82-7	Cyclohexane	70000	U
56-23-5	Carbon Tetrachloride	70000	U
71-43-2	Benzene	70000	U
107-06-2	1,2-Dichloroethane	70000	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-330DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-02ADL

Sample wt/vol: 4.1(g/mL) G Lab File ID: V6D6175

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 13 Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	41000	DJ
108-87-2	Methylcyclohexane	70000	U
78-87-5	1,2-Dichloropropane	70000	U
75-27-4	Bromodichloromethane	70000	U
10061-01-5	cis-1,3-Dichloropropene	70000	U
108-10-1	4-Methyl-2-Pentanone	70000	U
108-88-3	Toluene	70000	U
10061-02-6	trans-1,3-Dichloropropene	70000	U
79-00-5	1,1,2-Trichloroethane	70000	U
127-18-4	Tetrachloroethene	1000000	D
591-78-6	2-Hexanone	70000	U
124-48-1	Dibromochloromethane	70000	U
106-93-4	1,2-Dibromoethane	70000	U
108-90-7	Chlorobenzene	70000	U
100-41-4	Ethylbenzene	70000	U
1330-20-7	Xylene (Total)	70000	U
100-42-5	Styrene	70000	U
75-25-2	Bromoform	70000	U
98-82-8	Isopropylbenzene	70000	U
79-34-5	1,1,2,2-Tetrachloroethane	70000	U
541-73-1	1,3-Dichlorobenzene	70000	U
106-46-7	1,4-Dichlorobenzene	70000	U
95-50-1	1,2-Dichlorobenzene	70000	U
96-12-8	1,2-Dibromo-3-chloropropane	70000	U
120-82-1	1,2,4-Trichlorobenzene	70000	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B-330DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-02ADL

Sample wt/vol: 4.1 (g/mL) G Lab File ID: V6D6175

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 13 Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.11	94000	JD
2.	BRANCHED ALKANE	10.41	280000	JD
3.	UNKNOWN	10.52	200000	JD
4.	UNKNOWN	10.58	150000	JD
5.	UNKNOWN	10.80	94000	JD
6.	UNKNOWN	11.05	94000	JD
7.	UNKNOWN	11.08	120000	JD
8.	UNKNOWN	11.41	190000	JD
9.	UNKNOWN	11.48	98000	JD
10.	UNKNOWN	11.80	98000	JD
11.	BRANCHED ALKANE	11.85	430000	JD
12.	UNKNOWN	11.94	190000	JD
13.	UNKNOWN	12.04	160000	JD
14.	UNKNOWN	12.12	260000	JD
15.	CYCLIC ALKANE	12.18	210000	JD
16.	UNKNOWN	12.24	120000	JD
17.	UNKNOWN	12.35	300000	JD
18.	BRANCHED ALKANE	12.40	190000	JD
19.	UNKNOWN	12.44	220000	JD
20.	UNKNOWN	12.49	100000	JD
21.	BRANCHED ALKANE	12.55	220000	JD
22.	UNKNOWN	12.63	120000	JD
23.	UNKNOWN	12.90	610000	JD
24.	UNKNOWN	12.95	410000	JD
25.	UNKNOWN	13.08	360000	JD
26.	UNKNOWN	13.15	300000	JD
27.	UNKNOWN	13.30	210000	JD
28. 2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	13.45	120000	NJD
29.	UNKNOWN	13.57	200000	JD
30. 527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	13.68	95000	NJD

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01C

Sample wt/vol: 5.1(g/mL) G Lab File ID: V5F9951

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	4	J
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	1	J
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01C

Sample wt/vol: 5.1(g/mL) G Lab File ID: V5F9951

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	5	J
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	1200	E
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (Total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-390

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01C

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5F9951

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CMS

Sample wt/vol: 5.2(g/mL) G Lab File ID: V5F9952

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	70	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	7	J
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	5	J
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	2	J
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	65	
107-06-2	1,2-Dichloroethane	12	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CMS

Sample wt/vol: 5.2(g/mL) G Lab File ID: V5F9952

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	68	
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	62	
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	1400	E
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	60	
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (Total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CMSD

Sample wt/vol: 5.0(g/mL) G Lab File ID: V5F9953

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	63	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	5	J
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	2	J
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	69	
107-06-2	1,2-Dichloroethane	12	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CMSD

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9953

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	72	
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	64	
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	1500	E
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	62	
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (Total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CDL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6156

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1500	U
74-87-3	Chloromethane	1500	U
75-01-4	Vinyl Chloride	1500	U
74-83-9	Bromomethane	1500	U
75-00-3	Chloroethane	1500	U
75-69-4	Trichlorofluoromethane	1500	U
75-35-4	1,1-Dichloroethene	1500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1500	U
67-64-1	Acetone	1500	U
75-15-0	Carbon Disulfide	1500	U
79-20-9	Methyl Acetate	1500	U
75-09-2	Methylene Chloride	1500	U
156-60-5	trans-1,2-Dichloroethene	1500	U
1634-04-4	Methyl tert-Butyl Ether	1500	U
75-34-3	1,1-Dichloroethane	1500	U
156-59-2	cis-1,2-Dichloroethene	1500	U
78-93-3	2-Butanone	1500	U
67-66-3	Chloroform	1500	U
71-55-6	1,1,1-Trichloroethane	1500	U
110-82-7	Cyclohexane	1500	U
56-23-5	Carbon Tetrachloride	1500	U
71-43-2	Benzene	1500	U
107-06-2	1,2-Dichloroethane	1500	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CDL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6156

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	1500	U
108-87-2	Methylcyclohexane	1500	U
78-87-5	1,2-Dichloropropane	1500	U
75-27-4	Bromodichloromethane	1500	U
10061-01-5	cis-1,3-Dichloropropene	1500	U
108-10-1	4-Methyl-2-Pentanone	1500	U
108-88-3	Toluene	1500	U
10061-02-6	trans-1,3-Dichloropropene	1500	U
79-00-5	1,1,2-Trichloroethane	1500	U
127-18-4	Tetrachloroethene	14000	D
591-78-6	2-Hexanone	1500	U
124-48-1	Dibromochloromethane	1500	U
106-93-4	1,2-Dibromoethane	1500	U
108-90-7	Chlorobenzene	1500	U
100-41-4	Ethylbenzene	1500	U
1330-20-7	Xylene (Total)	1500	U
100-42-5	Styrene	1500	U
75-25-2	Bromoform	1500	U
98-82-8	Isopropylbenzene	1500	U
79-34-5	1,1,2,2-Tetrachloroethane	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
96-12-8	1,2-Dibromo-3-chloropropane	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-390DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CDL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6156

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390DLMS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CDLMS

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6157

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1500	U
74-87-3	Chloromethane	1500	U
75-01-4	Vinyl Chloride	1500	U
74-83-9	Bromomethane	1500	U
75-00-3	Chloroethane	1500	U
75-69-4	Trichlorofluoromethane	1500	U
75-35-4	1,1-Dichloroethene	6300	D
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1500	U
67-64-1	Acetone	1500	U
75-15-0	Carbon Disulfide	1500	U
79-20-9	Methyl Acetate	1500	U
75-09-2	Methylene Chloride	1500	U
156-60-5	trans-1,2-Dichloroethene	1500	U
1634-04-4	Methyl tert-Butyl Ether	1500	U
75-34-3	1,1-Dichloroethane	1500	U
156-59-2	cis-1,2-Dichloroethene	1500	U
78-93-3	2-Butanone	1500	U
67-66-3	Chloroform	1500	U
71-55-6	1,1,1-Trichloroethane	1500	U
110-82-7	Cyclohexane	1500	U
56-23-5	Carbon Tetrachloride	1500	U
71-43-2	Benzene	7800	D
107-06-2	1,2-Dichloroethane	1500	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390DLMS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CDLMS

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6157

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	7100	D
108-87-2	Methylcyclohexane	1500	U
78-87-5	1,2-Dichloropropane	1500	U
75-27-4	Bromodichloromethane	1500	U
10061-01-5	cis-1,3-Dichloropropene	1500	U
108-10-1	4-Methyl-2-Pentanone	1500	U
108-88-3	Toluene	7900	D
10061-02-6	trans-1,3-Dichloropropene	1500	U
79-00-5	1,1,2-Trichloroethane	1500	U
127-18-4	Tetrachloroethene	14000	D
591-78-6	2-Hexanone	1500	U
124-48-1	Dibromochloromethane	1500	U
106-93-4	1,2-Dibromoethane	1500	U
108-90-7	Chlorobenzene	8100	D
100-41-4	Ethylbenzene	1500	U
1330-20-7	Xylene (Total)	1500	U
100-42-5	Styrene	1500	U
75-25-2	Bromoform	1500	U
98-82-8	Isopropylbenzene	1500	U
79-34-5	1,1,2,2-Tetrachloroethane	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
96-12-8	1,2-Dibromo-3-chloropropane	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390DLMSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CDLMSD

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6158

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1500	U
74-87-3	Chloromethane	1500	U
75-01-4	Vinyl Chloride	1500	U
74-83-9	Bromomethane	1500	U
75-00-3	Chloroethane	1500	U
75-69-4	Trichlorofluoromethane	1500	U
75-35-4	1,1-Dichloroethene	7300	D
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1500	U
67-64-1	Acetone	1500	U
75-15-0	Carbon Disulfide	1500	U
79-20-9	Methyl Acetate	1500	U
75-09-2	Methylene Chloride	1500	U
156-60-5	trans-1,2-Dichloroethene	1500	U
1634-04-4	Methyl tert-Butyl Ether	1500	U
75-34-3	1,1-Dichloroethane	1500	U
156-59-2	cis-1,2-Dichloroethene	1500	U
78-93-3	2-Butanone	1500	U
67-66-3	Chloroform	1500	U
71-55-6	1,1,1-Trichloroethane	1500	U
110-82-7	Cyclohexane	1500	U
56-23-5	Carbon Tetrachloride	1500	U
71-43-2	Benzene	8800	D
107-06-2	1,2-Dichloroethane	1500	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390DLMSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CDLMSD

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6158

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	8000	D
108-87-2	Methylcyclohexane	1500	U
78-87-5	1,2-Dichloropropane	1500	U
75-27-4	Bromodichloromethane	1500	U
10061-01-5	cis-1,3-Dichloropropene	1500	U
108-10-1	4-Methyl-2-Pentanone	1500	U
108-88-3	Toluene	8800	D
10061-02-6	trans-1,3-Dichloropropene	1500	U
79-00-5	1,1,2-Trichloroethane	1500	U
127-18-4	Tetrachloroethene	12000	D
591-78-6	2-Hexanone	1500	U
124-48-1	Dibromochloromethane	1500	U
106-93-4	1,2-Dibromoethane	1500	U
108-90-7	Chlorobenzene	8800	D
100-41-4	Ethylbenzene	1500	U
1330-20-7	Xylene (Total)	1500	U
100-42-5	Styrene	1500	U
75-25-2	Bromoform	1500	U
98-82-8	Isopropylbenzene	1500	U
79-34-5	1,1,2,2-Tetrachloroethane	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
96-12-8	1,2-Dibromo-3-chloropropane	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSATE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: D0529-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6128

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSATE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: D0529-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6128

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RINSATE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: D0529-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6128

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5LLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18114

Sample wt/vol: 5.0(g/mL) G Lab File ID: V5F9943

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	56	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	57	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5LLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18114

Sample wt/vol: 5.0(g/mL) G Lab File ID: V5F9943

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	56	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	56	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	58	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6CLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: LCS-18113

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6115

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	55	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	60	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6CLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: LCS-18113

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6115

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	52	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	62	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	63	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6ELCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18128

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6149

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-35-4	1,1-Dichloroethene	4800	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300	U
156-60-5	trans-1,2-Dichloroethene	1300	U
1634-04-4	Methyl tert-Butyl Ether	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone	1300	U
67-66-3	Chloroform	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
110-82-7	Cyclohexane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
71-43-2	Benzene	7000	
107-06-2	1,2-Dichloroethane	1300	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6ELCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18128

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6149

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	6300	
108-87-2	Methylcyclohexane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
108-88-3	Toluene	7100	
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	1300	U
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
106-93-4	1,2-Dibromoethane	1300	U
108-90-7	Chlorobenzene	7200	
100-41-4	Ethylbenzene	1300	U
1330-20-7	Xylene (Total)	1300	U
100-42-5	Styrene	1300	U
75-25-2	Bromoform	1300	U
98-82-8	Isopropylbenzene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
96-12-8	1,2-Dibromo-3-chloropropane	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4515

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B-390

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4515

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	47	J
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	74	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B-390

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4515

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	6.71	130	J
2.	112-53-8	1-DODECANOL	10.08	280	NJ
3.	2156-97-0	DODECYL ACRYLATE	11.82	200	NJ
4.		UNKNOWN	22.47	1700	J
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01AMS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4517

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	1800	
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	1700	
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	1100	
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-Methylphenol	2100	
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	1300	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01AMS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4517

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	2200	
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	1200	
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1100	
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	69	J
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	1800	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	150	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	59	J
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01AMSD

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4518

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q
100-52-7	Benzaldehyde	400 U
108-95-2	Phenol	2100
111-44-4	bis(2-Chloroethyl)Ether	400 U
95-57-8	2-Chlorophenol	1900
95-48-7	2-Methylphenol	400 U
108-60-1	2,2'-oxybis(1-Chloropropane)	400 U
98-86-2	Acetophenone	400 U
106-44-5	4-Methylphenol	400 U
621-64-7	N-Nitroso-di-n-propylamine	1300
67-72-1	Hexachloroethane	400 U
98-95-3	Nitrobenzene	400 U
78-59-1	Isophorone	400 U
88-75-5	2-Nitrophenol	400 U
105-67-9	2,4-Dimethylphenol	400 U
111-91-1	bis(2-Chloroethoxy)methane	400 U
120-83-2	2,4-Dichlorophenol	400 U
91-20-3	Naphthalene	400 U
106-47-8	4-Chloroaniline	400 U
87-68-3	Hexachlorobutadiene	400 U
105-60-2	Caprolactam	400 U
59-50-7	4-Chloro-3-Methylphenol	1600
91-57-6	2-Methylnaphthalene	400 U
77-47-4	Hexachlorocyclopentadiene	400 U
88-06-2	2,4,6-Trichlorophenol	400 U
95-95-4	2,4,5-Trichlorophenol	1000 U
92-52-4	1,1'-Biphenyl	400 U
91-58-7	2-Chloronaphthalene	400 U
88-74-4	2-Nitroaniline	1000 U
131-11-3	Dimethylphthalate	400 U
606-20-2	2,6-Dinitrotoluene	400 U
208-96-8	Acenaphthylene	400 U
99-09-2	3-Nitroaniline	1000 U
83-32-9	Acenaphthene	1400

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01AMSD

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4518

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	3000	
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	1100	
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1400	
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	430	
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSATE2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: D0529-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4516

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/12/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSATE2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: D0529-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4516

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/12/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RINSATE2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: D0529-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4516

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/12/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1WLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: LCS-18091

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4508

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/12/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	60	
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	60	
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	38	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	71	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	46	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1WLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: LCS-18091

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4508

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/12/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	75	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	44	
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	83	E
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	44	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1WLCSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: LCSD-18091

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4509

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: _____

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	54	
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	49	
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	36	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	65	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	37	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1WLCSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: LCSD-18091

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4509

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: _____

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	65	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	37	
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	73	
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	47	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1XLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4511

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	1600	
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	1600	
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	900	
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	1700	
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	1300	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1XLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4511

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	1900	
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	1200	
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	1600	
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	1700	
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	1100	
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

B-390

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4C6536F

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/05

Extraction: (Type) SONC Date Extracted: 05/13/05

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	11	
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	30	
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	2.5	JP
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

B-390MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01AMS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4C6537F

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/05

Extraction: (Type) SONC Date Extracted: 05/13/05

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	12	
76-44-8	Heptachlor	13	P
309-00-2	Aldrin	14	
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	26	
72-55-9	4,4'-DDE	11	
72-20-8	Endrin	29	
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	27	
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	26	
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01AMSD

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4C6538F

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/05

Extraction: (Type) SONC Date Extracted: 05/13/05

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	12	
76-44-8	Heptachlor	13	
309-00-2	Aldrin	14	
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	26	
72-55-9	4,4'-DDE	9.5	
72-20-8	Endrin	29	
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	24	
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	29	
72-43-5	Methoxychlor	7.4	JP
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSATE2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: D0529-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6535F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/07/05

Extraction: (Type) SEPF Date Extracted: 05/12/05

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.045	JP
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

P4ELCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18108

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4C6523F

% Moisture: 0 Decanted: (Y/N) N Date Received: _____

Extraction: (Type) SONC Date Extracted: 05/13/05

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	11	
76-44-8	Heptachlor	12	
309-00-2	Aldrin	14	
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	26	
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	28	
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	24	
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

P4FLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: LCS-18090

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6533F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 05/12/05

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.45	
76-44-8	Heptachlor	0.49	
309-00-2	Aldrin	0.55	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.99	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	1.1	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.96	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

P4FLCSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: LCSD-18090

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6534F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 05/12/05

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.43	
76-44-8	Heptachlor	0.47	
309-00-2	Aldrin	0.53	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.96	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	1.0	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.91	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

B-390

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Matrix (soil/water): SOIL Lab Sample ID: D0529-01

Level (low/med): MED Date Received: 05/07/05

% Solids: 83.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6640			P
7440-36-0	Antimony	0.36	U	N	P
7440-38-2	Arsenic	13.8		*	P
7440-39-3	Barium	65.1			P
7440-41-7	Beryllium	0.27	B		P
7440-43-9	Cadmium	0.28	B		P
7440-70-2	Calcium	45400		*	P
7440-47-3	Chromium	9.5		*	P
7440-48-4	Cobalt	5.7	B		P
7440-50-8	Copper	25.2		E	P
7439-89-6	Iron	18900		*	P
7439-92-1	Lead	11.0			P
7439-95-4	Magnesium	8650		*	P
7439-96-5	Manganese	583		*	P
7440-02-0	Nickel	12.6			P
7440-09-7	Potassium	704	B		P
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.13	U	N	P
7440-23-5	Sodium	108	B		P
7440-28-0	Thallium	0.36	U		P
7440-62-2	Vanadium	12.2			P
7440-66-6	Zinc	58.0			P
7439-97-6	Mercury	0.060	U		CV
	Cyanide	0.12	U		CA

Color Before: MIX Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

RINSATE2

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Matrix (soil/water): WATER Lab Sample ID: D0529-03

Level (low/med): MED Date Received: 05/07/05

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	39.4	B		P
7440-36-0	Antimony	2.5	B		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	1.8	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	331	B		P
7440-47-3	Chromium	0.50	U		P
7440-48-4	Cobalt	0.61	B		P
7440-50-8	Copper	4.5	B		P
7439-89-6	Iron	22.7	B		P
7439-92-1	Lead	0.90	U		P
7439-95-4	Magnesium	38.7	B		P
7439-96-5	Manganese	0.85	B		P
7440-02-0	Nickel	0.83	B		P
7440-09-7	Potassium	55	U		P
7782-49-2	Selenium	3.0	U		P
7440-22-4	Silver	1.6	B		P
7440-23-5	Sodium	107	B		P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	0.40	U		P
7440-66-6	Zinc	27.3			P
7439-97-6	Mercury	0.13	U		CV
	Cyanide	2.0	U		CA

Color Before: COLORLES Clarity Before: CLEAR Texture:

Color After: COLORLES Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

7
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Solid LCS Source:

Aqueous LCS Source:

LCS-18106

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Cyanide				88.4	76.8		35.3	141.7	86.9

U.S. EPA - CLP

7
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Solid LCS Source:

Aqueous LCS Source:

LCS-18174

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Mercury				8.4	11.2		4.3	12.5	133.3

U.S. EPA - CLP

7
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Solid LCS Source:

Aqueous LCS Source:

LCS-18176

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits	%R
Aluminum	9100.0	9094.52	99.9					
Antimony	455.0	533.55	117.3					
Arsenic	455.0	480.65	105.6					
Barium	9100.0	9746.69	107.1					
Beryllium	227.0	238.67	105.1					
Cadmium	227.0	236.78	104.3					
Calcium	22700.0	23383.69	103.0					
Chromium	910.0	920.29	101.1					
Cobalt	2270.0	2353.13	103.7					
Copper	1130.0	1185.93	104.9					
Iron	4550.0	4562.14	100.3					
Lead	455.0	480.06	105.5					
Magnesium	22700.0	23588.05	103.9					
Manganese	2270.0	2362.62	104.1					
Nickel	2270.0	2345.41	103.3					
Potassium	22700.0	23137.87	101.9					
Selenium	455.0	483.51	106.3					
Silver	1130.0	1161.20	102.8					
Sodium	22700.0	24509.89	108.0					
Thallium	455.0	478.91	105.3					
Vanadium	2270.0	2373.20	104.5					
Zinc	2270.0	2397.28	105.6					

U.S. EPA - CLP

7
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Solid LCS Source:

Aqueous LCS Source:

LCS-18177

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				7270.0	6522.1		4210.1	10300.1	89.7
Antimony				52.5	30.9		6.0	117.0	58.9
Arsenic				111.0	111.5		88.5	133.0	100.5
Barium				195.0	212.0		160.0	230.0	108.7
Beryllium				62.5	62.3		51.3	73.7	99.7
Cadmium				110.0	112.4		89.7	130.0	102.2
Calcium				4120.0	3867.1		3260.2	4979.8	93.9
Chromium				154.0	153.4		121.0	187.0	99.6
Cobalt				63.3	65.3		51.8	74.8	103.2
Copper				107.0	106.8		88.1	126.0	99.8
Iron				11500.0	9133.2		6599.8	16400.2	79.4
Lead				158.0	165.3		127.0	189.0	104.6
Magnesium				2380.0	2410.4		1790.0	2970.0	101.3
Manganese				328.0	330.2		262.0	394.0	100.7
Nickel				160.0	165.7		130.0	190.0	103.6
Potassium				1880.0	1912.1		1340.1	2419.9	101.7
Selenium				94.4	91.3		71.3	117.0	96.7
Silver				102.0	91.7		62.5	142.0	89.9
Sodium				871.0	931.9	B	484.0	1260.0	107.0
Thallium				88.6	96.0		67.0	110.0	108.4
Vanadium				74.8	68.7		55.9	93.7	91.8
Zinc				187.0	199.7		148.0	226.0	106.8

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

	EPA SAMPLE NO.	SMC1 (TOL)#	SMC2 (BFB)#	SMC3 (DCE)#	OTHER	TOT OUT
01	VBLK6C	107	98	102		0
02	V6CLCS	96	89	101		0
03	RINSATE	106	101	106		0
04	VBLK6F	92	88	88		0
05	VHBLK6F	89	93	92		0
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30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK5L	102	96	104		0
02	V5LLCS	100	95	96		0
03	B-390	96	100	97		0
04	B-390MS	101	99	95		0
05	B-390MSD	99	101	99		0
06	B-330	100	140*	100		1
07						
08						
09						
10						
11						
12						
13						
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29						
30						

		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(84-138)
SMC2 (BFB)	= Bromofluorobenzene	(59-113)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK6E	92	90	87		0
02	V6ELCS	100	97	95		0
03	B-390DL	97	94	93		0
04	B-390DLMS	93	93	89		0
05	B-390DLMSD	101	97	96		0
06	VBLK6G	87	84	86		0
07	B-330DL	90	111	97		0
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30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(84-138)
SMC2 (BFB) = Bromofluorobenzene	(59-113)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK1W	83	80	95	79	79	80	82	70	0
02	S1WLCS	85	80	96	73	75	91	74	63	0
03	S1WLCSD	84	74	93	74	71	84	67	57	0
04	RINSATE2	85	73	92	81	73	76	80	69	0
05										
06										
07										
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		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK1X	65	66	97	61	61	69	61	54	0
02	S1XLCS	63	72	96	58	64	73	61	54	0
03	B-390	47	54	62	45	40	44	42	37	0
04	B-390MS	57	58	76	54	52	69	52	46	0
05	B-390MSD	66	67	69	58	57	68	56	44	0
06										
07										
08										
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		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTIII ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK4F	97	98	93	78			0
02	P4FLCS	96	98	97	97			0
03	P4FLCSD	95	95	95	96			0
04	RINSATE2	97	173*	91	89			1
05								
06								
07								
08								
09								
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11								
12								
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28								
29								
30								

	QC LIMITS
(TCX) = Tetrachloro-m-xylene	(30-150)
(DCB) = Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK4E	84	79	89	91			0
02	P4ELCS	70	69	81	79			0
03	B-390	59	64	62	66			0
04	B-390MS	59	60	60	65			0
05	B-390MSD	59	61	63	64			0
06								
07								
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	QC LIMITS
(TCX) = Tetrachloro-m-xylene	(30-150)
(DCB) = Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix Spike - EPA Sample No.: B-390 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	7500	0.0	6300	84	59-172
Trichloroethene	7500	5	7100	95	62-137
Benzene	7500	0.0	7800	104	66-142
Toluene	7500	0.0	7900	105	59-139
Chlorobenzene	7500	0.0	8100	108	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	7500	7300	97	14	22	59-172
Trichloroethene	7500	8000	107	12	24	62-137
Benzene	7500	8800	117	12	21	66-142
Toluene	7500	8800	117	11	21	59-139
Chlorobenzene	7500	8800	117	8	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix Spike - EPA Sample No.: B-390DL Level:(low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	7500	0.0	6300	84	59-172
Trichloroethene	7500	0.0	7100	95	62-137
Benzene	7500	0.0	7800	104	66-142
Toluene	7500	0.0	7900	105	59-139
Chlorobenzene	7500	0.0	8100	108	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	7500	7300	97	14	22	59-172
Trichloroethene	7500	8000	107	12	24	62-137
Benzene	7500	8800	117	12	21	66-142
Toluene	7500	8800	117	11	21	59-139
Chlorobenzene	7500	8800	117	8	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix Spike - Sample No.: V6CLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		55	110	59-172
Trichloroethene	50		52	104	62-137
Benzene	50		60	120	66-142
Toluene	50		62	124	59-139
Chlorobenzene	50		63	126	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix Spike - Sample No.: V5LLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		56	112	59-172
Trichloroethene	50		56	112	62-137
Benzene	50		57	114	66-142
Toluene	50		56	112	59-139
Chlorobenzene	50		58	116	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix Spike - Sample No.: V6ELCS Level: (low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	6300		4800	76	61-145
Trichloroethene	6300		6300	100	71-120
Benzene	6300		7000	111	76-127
Toluene	6300		7100	113	76-125
Chlorobenzene	6300		7200	114	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix Spike - EPA Sample No.: B-390 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	3000	0.0	1800	60	26- 90
2-Chlorophenol	3000	0.0	1700	57	25-102
N-Nitroso-di-n-prop.(1)	2000	0.0	1100	55	41-126
4-Chloro-3-Methylphenol	3000	0.0	2100	70	26-103
Acenaphthene	2000	0.0	1300	65	31-137
4-Nitrophenol	3000	0.0	2200	73	11-114
2,4-Dinitrotoluene	2000	0.0	1200	60	28- 89
Pentachlorophenol	3000	0.0	1100	37	17-109
Pyrene	2000	0.0	1800	90	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3000	2100	70	15	35	26- 90
2-Chlorophenol	3000	1900	63	10	50	25-102
N-Nitroso-di-n-prop.(1)	2000	1300	65	17	38	41-126
4-Chloro-3-Methylphenol	3000	1600	53	28	33	26-103
Acenaphthene	2000	1400	70	7	19	31-137
4-Nitrophenol	3000	3000	100	31	50	11-114
2,4-Dinitrotoluene	2000	1100	55	9	47	28- 89
Pentachlorophenol	3000	1400	47	24	47	17-109
Pyrene	2000	1600	80	12	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 0 out of 18 outside limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix Spike - Sample No.: S1WLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Phenol	75		60	80	12-110
2-Chlorophenol	75		60	80	27-123
N-Nitroso-di-n-prop.(1)	50		38	76	41-116
4-Chloro-3-Methylphenol	75		71	95	23- 97
Acenaphthene	50		46	92	46-118
4-Nitrophenol	75		75	100*	10- 80
2,4-Dinitrotoluene	50		44	88	24- 96
Pentachlorophenol	75		83	111*	9-103
Pyrene	50		44	88	26-127

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75	54	72	11	42	12-110
2-Chlorophenol	75	49	65	21	40	27-123
N-Nitroso-di-n-prop.(1)	50	36	72	5	38	41-116
4-Chloro-3-Methylphenol	75	65	87	9	42	23- 97
Acenaphthene	50	37	74	22	31	46-118
4-Nitrophenol	75	65	87*	14	50	10- 80
2,4-Dinitrotoluene	50	37	74	17	38	24- 96
Pentachlorophenol	75	73	97	13	50	9-103
Pyrene	50	47	94	7	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 3 out of 18 outside limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix Spike - Sample No.: S1XLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Phenol	2500		1600	64	26- 90
2-Chlorophenol	2500		1600	64	25-102
N-Nitroso-di-n-prop.(1)	1700		900	53	41-126
4-Chloro-3-Methylphenol	2500		1700	68	26-103
Acenaphthene	1700		1300	76	31-137
4-Nitrophenol	2500		1900	76	11-114
2,4-Dinitrotoluene	1700		1200	71	28- 89
Pentachlorophenol	2500		1600	64	17-109
Pyrene	1700		1700	100	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 9 outside limits

COMMENTS: _____

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix Spike - EPA Sample No.: B-390

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	20	0.00	12	60	46-127
Heptachlor	20	0.00	13	65	35-130
Aldrin	20	0.00	14	70	34-132
Dieldrin	40	0.00	26	65	31-134
Endrin	40	0.00	29	73	42-139
4,4'-DDT	40	2.5	26	59	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	20	12	60	0	50	46-127
Heptachlor	20	13	65	0	31	35-130
Aldrin	20	14	70	0	43	34-132
Dieldrin	40	26	65	0	38	31-134
Endrin	40	29	73	0	45	42-139
4,4'-DDT	40	29	66	11	50	23-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

FORM 3
WATER PESTICIDE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix Spike - Sample No.: P4FLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	0.50		0.45	90	56-123
Heptachlor	0.50		0.49	98	40-131
Aldrin	0.50		0.55	110	40-120
Dieldrin	1.0		0.99	99	52-126
Endrin	1.0		1.1	110	56-121
4,4'-DDT	1.0		0.96	96	38-127

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	0.50	0.43	86	5	15	56-123
Heptachlor	0.50	0.47	94	4	20	40-131
Aldrin	0.50	0.53	106	4	22	40-120
Dieldrin	1.0	0.96	96	3	18	52-126
Endrin	1.0	1.0	100	10	21	56-121
4,4'-DDT	1.0	0.91	91	5	27	38-127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

FORM 3
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix Spike - Sample No.: P4ELCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	17		11	65	46-127
Heptachlor	17		12	71	35-130
Aldrin	17		14	82	34-132
Dieldrin	33		26	79	31-134
Endrin	33		28	85	42-139
4,4'-DDT	33		24	73	23-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
B-390

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 83.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	7.7201	B	0.3596	U	17.98	42.9	N	P
Arsenic	75-125	20.0887		13.7969		7.19	87.5		P
Barium	75-125	428.2479		65.1424		359.65	101.0		P
Beryllium	75-125	9.0799		0.2698	B	8.99	98.0		P
Cadmium	75-125	1.0675		0.2847	B	0.90	87.0		P
Chromium	75-125	42.4477		9.5436		35.96	91.5		P
Cobalt	75-125	93.5605		5.6579	B	89.91	97.8		P
Copper	75-125	68.1669		25.1753		44.96	95.6		P
Lead	75-125	13.8279		11.0477		3.60	77.2		P
Manganese		527.8071		583.0751		89.91	-61.5		P
Nickel	75-125	98.8829		12.6334		89.91	95.9		P
Selenium	75-125	0.5395	U	0.5395	U	1.80	0.0	N	P
Silver	75-125	4.5022		0.1259	U	8.99	50.1	N	P
Thallium	75-125	8.4597		0.3596	U	8.99	94.1		P
Vanadium	75-125	98.6980		12.2315		89.91	96.2		P
Zinc	75-125	138.7706		57.9685		89.91	89.9		P
Mercury	75-125	1.2204		0.0602	U	1.20	101.7		CV
Cyanide	75-125	6.0387		0.1158	U	5.79	104.3		CA

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
RINSATE2

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cyanide	75-125	85.0935		2.0000	U	100.00	85.1		CA

Comments:

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO

B-390

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		132.65		2.00	U	455.0	29.2		P
Selenium		3.00	U	3.00	U	455.0	0.0		P

Comments:

6
DUPLICATES

EPA SAMPLE NO
B-390

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 83.0 % Solids for Duplicate: 83.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		6638.7447		5566.5979		17.6		P
Antimony		0.3596	U	0.3596	U			P
Arsenic		13.7969		9.7019		34.9	*	P
Barium	36.0	65.1424		52.8401		20.9		P
Beryllium		0.2698	B	0.2087	B	25.5		P
Cadmium		0.2847	B	0.2066	B	31.8		P
Calcium		45358.7953		24639.0322		59.2	*	P
Chromium	1.8	9.5436		7.0209		30.5	*	P
Cobalt		5.6579	B	4.6700	B	19.1		P
Copper		25.1753		22.7102		10.3		P
Iron		18899.5114		15190.9748		21.8	*	P
Lead		11.0477		9.0809		19.5		P
Magnesium	900.0	8651.3026		4420.3337		64.7	*	P
Manganese		583.0751		344.8852		51.3	*	P
Nickel	7.2	12.6334		10.6700		16.9		P
Potassium		703.7789	B	526.5231	B	28.8		P
Selenium		0.5395	U	0.5395	U			P
Silver		0.1259	U	0.1259	U			P
Sodium		108.4269	B	83.6421	B	25.8		P
Thallium		0.3596	U	0.3596	U			P
Vanadium	9.0	12.2315		7.8234	B	44.0		P
Zinc		57.9685		49.4149		15.9		P
Mercury		0.0602	U	0.0602	U			CV
Cyanide		0.1158	U	0.1158	U			CA

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO
RINSATE2

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cyanide		2.0000	U	2.0000	U			CA

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: V5F9942 Lab Sample ID: MB-18114

Date Analyzed: 05/13/05 Time Analyzed: 1059

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: V5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V5LLCS	LCS-18114	V5F9943	1136
02	B-390	D0529-01C	V5F9951	1546
03	B-390MS	D0529-01CMS	V5F9952	1619
04	B-390MSD	D0529-01CMSD	V5F9953	1652
05	B-330	D0529-02A	V5F9954	1724
06				
07				
08				
09				
10				
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30				

COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9942

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18114

Sample wt/vol: 5.0(g/mL) G Lab File ID: V5F9942

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9942

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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13.					
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30.					

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: V6D6113 Lab Sample ID: MB-18113

Date Analyzed: 05/13/05 Time Analyzed: 1141

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V6CLCS	LCS-18113	V6D6115	1342
02	RINSATE	D0529-03A	V6D6128	2004
03				
04				
05				
06				
07				
08				
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COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18113

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6113

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18113

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6113

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK6C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18113

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6113

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6E

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MD0529

Lab File ID: V6D6148 Lab Sample ID: MB-18128

Date Analyzed: 05/16/05 Time Analyzed: 1456

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V6ELCS	LCS-18128	V6D6149	1531
02	B-390DL	D0529-01CDL	V6D6156	1848
03	B-390DLMS	D0529-01CDLMS	V6D6157	1914
04	B-390DLMSD	D0529-01CDLMSD	V6D6158	1941
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
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COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6E

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18128

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6148

Level: (low/med) MED Date Received:

% Moisture: not dec. Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-35-4	1,1-Dichloroethene	1300	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300	U
156-60-5	trans-1,2-Dichloroethene	1300	U
1634-04-4	Methyl tert-Butyl Ether	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone	1300	U
67-66-3	Chloroform	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
110-82-7	Cyclohexane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
71-43-2	Benzene	1300	U
107-06-2	1,2-Dichloroethane	1300	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6E

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18128

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6148

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	1300	U
108-87-2	Methylcyclohexane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
108-88-3	Toluene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	1300	U
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
106-93-4	1,2-Dibromoethane	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
1330-20-7	Xylene (Total)	1300	U
100-42-5	Styrene	1300	U
75-25-2	Bromoform	1300	U
98-82-8	Isopropylbenzene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
96-12-8	1,2-Dibromo-3-chloropropane	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK6E

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18128

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6148

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: V6D6172 Lab Sample ID: MB-18151

Date Analyzed: 05/17/05 Time Analyzed: 1055

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK6F	VHBLK6F	V6D6177	1443
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
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27				
28				
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30				

COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18151

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6172

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18151

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6172

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK6F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18151

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6172

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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29.					
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4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6G

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MD0529

Lab File ID: V6D6173 Lab Sample ID: MB-18152

Date Analyzed: 05/17/05 Time Analyzed: 1121

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B-330DL	D0529-02ADL	V6D6175	1331
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
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30				

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6G

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18152

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6173

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-35-4	1,1-Dichloroethene	1300	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300	U
156-60-5	trans-1,2-Dichloroethene	1300	U
1634-04-4	Methyl tert-Butyl Ether	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone	1300	U
67-66-3	Chloroform	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
110-82-7	Cyclohexane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
71-43-2	Benzene	1300	U
107-06-2	1,2-Dichloroethane	1300	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6G

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18152

Sample wt/vol: 4.0(g/mL) G Lab File ID: V6D6173

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	1300	U
108-87-2	Methylcyclohexane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
108-88-3	Toluene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	1300	U
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
106-93-4	1,2-Dibromoethane	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
1330-20-7	Xylene (Total)	1300	U
100-42-5	Styrene	1300	U
75-25-2	Bromoform	1300	U
98-82-8	Isopropylbenzene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
96-12-8	1,2-Dibromo-3-chloropropane	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK6G

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18152

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6173

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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28.					
29.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK6F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6F

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6177

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK6F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6F

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6177

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK6F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6F

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6177

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK1W

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MD0529

Lab File ID: S1E4507 Lab Sample ID: MB-18091

Instrument ID: S1 Date Extracted: 05/12/05

Matrix: (soil/water) WATER Date Analyzed: 05/25/05

Level: (low/med) LOW Time Analyzed: 0931

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S1WLCS	LCS-18091	S1E4508	05/25/05
02	S1WLCSD	LCSD-18091	S1E4509	05/25/05
03	RINSATE2	D0529-03B	S1E4516	05/25/05
04				
05				
06				
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COMMENTS:

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1W

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18091

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4507

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/12/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK1W

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18091

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4507

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/12/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLK1W

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18091

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4507

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/12/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK1X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: S1E4510 Lab Sample ID: MB-18109

Instrument ID: S1 Date Extracted: 05/13/05

Matrix: (soil/water) SOIL Date Analyzed: 05/25/05

Level: (low/med) LOW Time Analyzed: 1104

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S1XLCS	LCS-18109	S1E4511	05/25/05
02	B-390	D0529-01A	S1E4515	05/25/05
03	B-390MS	D0529-01AMS	S1E4517	05/25/05
04	B-390MSD	D0529-01AMSD	S1E4518	05/25/05
05				
06				
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08				
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COMMENTS: _____

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK1X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4510

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4510

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLK1X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4510

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Extraction: (Type) SONC

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK4F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Lab Sample ID: MB-18090 Lab File ID: E4C6532F

Matrix (soil/water) WATER Extraction:(Type) SEPF

Sulfur Cleanup (Y/N) Y Date Extracted: 05/12/05

Date Analyzed (1): 05/26/05 Date Analyzed (2): 05/26/05

Time Analyzed (1): 1623 Time Analyzed (2): 1623

Instrument ID (1): E4 Instrument ID (2): E4

GC Column (1): CLPPEST ID: 0.53 (mm) GC Column (2): CLPPESTII ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	P4FLCS	LCS-18090	05/26/05	05/26/05
02	P4FLCSD	LCSD-18090	05/26/05	05/26/05
03	RINSATE2	D0529-03B	05/26/05	05/26/05
04				
05				
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COMMENTS: _____

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PBLK4F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18090

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6532F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 05/12/05

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK4E

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Lab Sample ID: MB-18108 Lab File ID: E4C6522F

Matrix (soil/water) SOIL Extraction: (Type) SONC

Sulfur Cleanup (Y/N) Y Date Extracted: 05/13/05

Date Analyzed (1): 05/26/05 Date Analyzed (2): 05/26/05

Time Analyzed (1): 0927 Time Analyzed (2): 0927

Instrument ID (1): E4 Instrument ID (2): E4

GC Column (1): CLPPEST ID: 0.53 (mm) GC Column (2): CLPPESTII ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	P4ELCS	LCS-18108	05/26/05	05/26/05
02	B-390	D0529-01A	05/26/05	05/26/05
03	B-390MS	D0529-01AMS	05/26/05	05/26/05
04	B-390MSD	D0529-01AMSD	05/26/05	05/26/05
05				
06				
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COMMENTS: _____

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK4E

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18108

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4C6522F

% Moisture: 0 Decanted: (Y/N) N Date Received: _____

Extraction: (Type) SONC Date Extracted: 05/13/05

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKC2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: PIBLKC2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6446F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/05/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKC2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: PIBLKC2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6446R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) _____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/05/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKCG

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCG

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6520F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) _____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKCG

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCG

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6520R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKCH

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCH

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6525F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKCH

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCH

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6525R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKCI

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCI

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6540F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKCI

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCI

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6540R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) _____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Mercury									0.050	U	CV

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Cyanide	-2.1	B	-2.1	B	-6.1	B	2.0	U	-0.113	B	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Cyanide			-2.3	B	-2.1	B	-2.7	B			CA

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Cyanide	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Cyanide			2.0	U							CA

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	18.0	U	22.3	B	18.0	U	31.6	B	3.600	U	
Arsenic	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	
Barium	0.7	B	1.5	B	1.2	B	1.2	B	0.217	B	
Beryllium	0.2	U	0.2	U	0.2	U	0.2	U	0.040	U	
Cadmium	0.2	U	0.2	U	0.2	U	0.2	U	0.040	U	
Calcium	50.0	U	51.8	B	50.0	U	50.0	U	21.140	B	
Chromium	0.5	U	0.5	B	0.5	U	0.5	U	0.100	U	
Cobalt	0.4	B	0.7	B	0.4	B	0.6	B	0.080	U	
Copper	3.8	B	5.3	B	3.5	B	4.9	B	0.936	B	
Iron	4.0	U	8.7	B	10.3	B	9.5	B	5.228	B	
Lead	0.9	U	0.9	U	0.9	U	0.9	U	0.180	U	
Magnesium	9.0	U	97.8	B	9.0	U	81.2	B	1.800	U	
Manganese	0.4	U	0.4	U	0.4	U	0.4	U	0.182	B	
Nickel	0.7	U	0.8	B	0.7	U	0.8	B	0.140	U	
Selenium	3.0	U	3.0	U	3.0	U	3.0	U	0.600	U	
Silver	6.7	B	2.4	B	0.7	U	0.7	B	0.182	B	
Thallium	2.0	U	2.0	U	2.4	B	2.0	U	0.400	U	
Vanadium	0.4	U	0.4	U	0.4	U	0.4	U	0.080	U	
Zinc	5.1	B	6.3	B	7.7	B	5.8	B	3.893	B	

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			24.4	B	29.0	B			26.446	B	P
Arsenic			2.0	U	2.0	U			2.000	U	P
Barium			0.9	B	0.9	B			1.188	B	P
Beryllium			0.2	U	0.2	U			0.200	U	P
Cadmium			0.2	U	0.2	U			0.200	U	P
Calcium			50.0	U	50.0	U			174.660	B	P
Chromium			0.5	U	0.5	U			0.500	U	P
Cobalt			0.4	B	0.7	B			0.615	B	P
Copper			3.7	B	5.1	B			4.483	B	P
Iron			4.0	U	6.2	B			15.250	B	P
Lead			0.9	U	0.9	U			0.900	U	P
Magnesium			9.0	U	91.9	B			18.695	B	P
Manganese			0.7	B	0.4	U			1.671	B	P
Nickel			0.7	U	0.8	B			0.928	B	P
Selenium			3.0	U	3.0	U			3.000	U	P
Silver			0.7	B	0.7	U			1.667	B	P
Thallium			2.0	U	2.0	U			2.000	U	P
Vanadium			0.5	B	0.4	U			0.400	U	P
Zinc			5.3	B	4.9	B			18.634	B	P

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Sodium	32.0	U	39.5	B	32.0	U	32.0	U	6.574	B	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Sodium									32.000	U	P

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Potassium	55.0	U	55.0	U	55.0	U	55.0	U	11.000	U	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Potassium									-83.081	B	P

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Antimony	11.5	B	2.4	B	5.7	B	3.5	B	1.202	B	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Antimony									3.512	B	P

FORM III - IN ILM04.1

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

EPA Sample No. (VSTD050##): VSTD0505L Date Analyzed: 05/13/05

Lab File ID (Standard): V5F9941 Time Analyzed: 1009

Instrument ID: V5 Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	401080	5.11	1943927	6.11	1744916	9.20
	UPPER LIMIT	802160	5.61	3887854	6.61	3489832	9.70
	LOWER LIMIT	200540	4.61	971964	5.61	872458	8.70
	EPA SAMPLE						
01	VBLK5L	328905	5.11	1640816	6.11	1457585	9.20
02	V5LLCS	365739	5.11	1912671	6.11	1679425	9.20
03	B-390	355616	5.12	1759581	6.11	1628523	9.20
04	B-390MS	341675	5.11	1728135	6.10	1506395	9.20
05	B-390MSD	335369	5.11	1650884	6.11	1494050	9.20
06	B-330	330080	5.11	1619431	6.11	1594240	9.20
07							
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

EPA Sample No. (VSTD050##): VSTD0506C Date Analyzed: 05/13/05

Lab File ID (Standard): V6D6112 Time Analyzed: 1047

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	364428	4.70	1895337	5.80	1794683	9.31
	UPPER LIMIT	728856	5.20	3790674	6.30	3589366	9.81
	LOWER LIMIT	182214	4.20	947669	5.30	897342	8.81
	EPA SAMPLE						
01	VBLK6C	361873	4.70	1792107	5.80	1624719	9.30
02	V6CLCS	359222	4.71	1880181	5.80	1723154	9.31
03	RINSATE	332774	4.70	1584616	5.80	1496596	9.31
04							
05							
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

EPA Sample No. (VSTD050##): VSTD0506D Date Analyzed: 05/16/05

Lab File ID (Standard): V6D6141 Time Analyzed: 1018

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	366813	4.70	1958069	5.80	1845177	9.31
	UPPER LIMIT	733626	5.20	3916138	6.30	3690354	9.81
	LOWER LIMIT	183407	4.20	979035	5.30	922589	8.81
	EPA SAMPLE						
01	VBLK6E	372701	4.70	1797753	5.80	1674592	9.31
02	V6ELCS	359448	4.70	1799759	5.79	1689352	9.31
03	B-390DL	349266	4.70	1720031	5.80	1627737	9.31
04	B-390DLMS	369893	4.70	1857421	5.80	1724237	9.31
05	B-390DLMSD	356254	4.70	1795355	5.79	1702012	9.30
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

EPA Sample No. (VSTD050##): VSTD0506F Date Analyzed: 05/17/05

Lab File ID (Standard): V6D6171 Time Analyzed: 1010

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	373860	4.70	1901929	5.80	1790182	9.31
	UPPER LIMIT	747720	5.20	3803858	6.30	3580364	9.81
	LOWER LIMIT	186930	4.20	950965	5.30	895091	8.81
	EPA SAMPLE						
01	VBLK6F	392115	4.70	1989492	5.80	1826842	9.31
02	VBLK6G	402849	4.71	2027826	5.79	1847884	9.30
03	B-330DL	347239	4.71	1650019	5.79	1745614	9.30
04	VHBLK6F	349512	4.70	1720241	5.80	1610539	9.31
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

EPA Sample No. (SSTD050##): SSTD0501W Date Analyzed: 05/25/05

Lab File ID (Standard): S1E4506 Time Analyzed: 0853

Instrument ID: S1 GC Column: DB-5MS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	297131	5.52	1124444	7.44	619103	10.22
	UPPER LIMIT	594262	6.02	2248888	7.94	1238206	10.72
	LOWER LIMIT	148566	5.02	562222	6.94	309552	9.72
	EPA SAMPLE NO.						
01	SBLK1W	270712	5.52	973479	7.43	533791	10.22
02	S1WLCS	309175	5.52	1080842	7.43	578022	10.22
03	S1WLCSD	280993	5.52	911999	7.44	534085	10.21
04	SBLK1X	329414	5.52	1105742	7.44	571539	10.22
05	S1XLCS	324831	5.52	1105487	7.44	522000	10.22
06	B-390	375666	5.52	1347228	7.43	660674	10.21
07	RINSATE2	370640	5.52	1294587	7.43	714495	10.22
08	B-390MS	463323	5.52	1482829	7.44	786670	10.22
09	B-390MSD	456818	5.52	1497779	7.43	639126	10.22
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22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

EPA Sample No. (SSTD050##): SSTD0501W Date Analyzed: 05/25/05

Lab File ID (Standard): S1E4506 Time Analyzed: 0853

Instrument ID: S1 GC Column: DB-5MS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1018707	12.60	1266448	16.86	973706	18.99
	UPPER LIMIT	2037414	13.10	2532896	17.36	1947412	19.49
	LOWER LIMIT	509354	12.10	633224	16.36	486853	18.49
	EPA SAMPLE NO.						
01	SBLK1W	954565	12.60	932856	16.85	939850	18.98
02	S1WLCS	994520	12.60	1091720	16.86	1004047	18.98
03	S1WLCSD	874804	12.59	943573	16.85	913301	18.98
04	SBLK1X	901246	12.59	829293	16.85	888495	18.98
05	S1XLCS	771615	12.60	654829	16.85	684521	18.98
06	B-390	1102637	12.59	1021343	16.86	992447	18.98
07	RINSATE2	1188261	12.60	1154248	16.85	1034238	18.98
08	B-390MS	1193192	12.59	1099183	16.85	1063998	18.98
09	B-390MSD	1037534	12.60	1224768	16.87	1110466	19.00
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22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Identification and Analytical Requirements Summary

Project Name: **5 HUNTS ROAD** SDG: **D0529**

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOA GC/MS Method #	SVOA GC/MS Method #	Pest/PCB Method #	Metals	Other
B-390	D0529-01	ASP	ASP	ASP	ASP	SEE DATA
B-330	D0529-02	ASP				
RINSATE2	D0529-03	ASP	ASP	ASP	ASP	SEE DATA

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **5 HUNTS ROAD** SDG: **D0529**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0529-01C	SL	5/5/05	5/7/05	5/13/05; 5/16/05	5/13/05; 5/16/05
D0529-01CMS	SL	5/5/05	5/7/05	↓	↓
D0529-01CMSD	SL	5/5/05	5/7/05	↓	↓
D0529-02A	SL	5/5/05	5/7/05	↓	5/13/05; 5/17/05
D0529-03A	AQ	5/5/05	5/7/05	NA	5/13/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Semivolatile (SVOA) Analyses

Project Name: **5 HUNTS ROAD** SDG: **D0529**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0529-01A	SL	5/5/05	5/7/05	5/13/05	5/25/05
D0529-01AMS	SL	5/5/05	5/7/05	↓	↓
D0529-01AMSD	SL	5/5/05	5/7/05		
D0529-03B	AQ	5/5/05	5/7/05	5/12/05	5/25/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Pesticides/PCB Analyses

Project Name: **5 HUNTS ROAD** SDG: **D0529**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0529-01A	SL	5/5/05	5/7/05	5/13/05	5/26/05
D0529-01AMS	SL	5/5/05	5/7/05	↓	↓
D0529-01AMSD	SL	5/5/05	5/7/05	↓	↓
D0529-03B	AQ	5/5/05	5/7/05	5/12/05	5/26/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **5 HUNTS ROAD** SDG: **D0529**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
D0529-01C	SL	ASP	NA; Methanol	Low; Medium	1; 125
D0529-01CMS	SL	ASP	↓	↓	↓
D0529-01CMSD	SL	ASP	↓	↓	↓
D0529-02A	SL	ASP	NA; Methanol	Low; Medium	5; 6100
D0529-03A	AQ	ASP	NA	NA	1

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Semivolatile (SVOA) Analyses

Project Name: **5 HUNTS ROAD** SDG: **D0529**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D0529-01A	SL	ASP	3550B	GPC	1
D0529-01AMS	SL	ASP	↓	↓	↓
D0529-01AMSD	SL	ASP	↓	↓	↓
D0529-03B	AQ	ASP	3520C	NA	1

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Pesticides/PCB Analyses

Project Name: **5 HUNTS ROAD** SDG: **D0529**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D0529-01A	SL	ASP	3550B	GPC/Florisil/copper	1
D0529-01AMS	SL	ASP	↓	↓	↓
D0529-01AMSD	SL	ASP	↓	↓	↓
D0529-03B	AQ	ASP	3510C	Florisil/copper	1

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Inorganic Analyses

Project Name: **5 HUNTS ROAD** SDG: **D0529**

Laboratory Sample ID	Matrix	Metals Requested	Date Received by Lab	Date Analyzed
D0529-01A	SL	6010/7471	5/7/05	5/13/05 - 5/20/05
D0529-01AMS	SL	6010/7471	5/7/05	↓
D0529-01AMSD	SL	6010/7471	5/7/05	↓
D0529-03D	AQ	6010/7471	5/7/05	5/13/05 - 5/20/05

NYASP 10/95

Analytical Data Package for Day Environmental, Inc.

Client Project No.: 5 Hunt Road, Jamestown, NY

Mitkem Work Order ID: D0529

June 1, 2005

Prepared For:

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Chris Davidson

Prepared By:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Day Environmental Inc.'s 5 Hunt Road, Jamestown, NY project. Under this deliverable, analysis results are presented for one aqueous and two soil samples that were received on May 7, 2005. Analyses were performed per specifications in the project's contract and the chain of custody forms. Sample Identifications were shortened where necessary due to limitations in data reporting software. Following the narrative is a table of sample identifications for cross-referencing full client sample ID, shortened client sample ID and laboratory sample ID, along with the Mitkem Work Order.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatiles Analysis:

Trap used for instruments V5 and V6: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

Alkanes were determined as part of TIC. The alkanes are reported in the Alkane Narrative Report following the SDG Narrative.

The aqueous sample was acid preserved; pH <2.

Surrogate recovery: recoveries were within the QC limits with the exception of high recovery of bromofluorobenzene in sample B-330. The sample was re-analyzed at dilution with surrogate recoveries within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample B-390 for both the low-level and medium-level analyses. Spike recoveries and replicate RPDs were within the QC limits.

Sample analysis: sample B-330 was initially analyzed using 1g of sample. This is equivalent to a 5x dilution. Due to high concentration of target analytes, samples B-330 and B-390 were re-analyzed at dilution by medium-level analysis. In addition to the medium-level analysis, sample B-330 was further analyzed at 50x dilution. No other unusual observation was made for the analysis.

3. Semivolatile Analysis:

GC column: 30 m x 0.25 mm id (0.5 um film thickness) DB-5MS capillary column

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/lab control sample duplicate: spike recoveries were within the QC limits with the exception of high recovery of 4-nitrophenol and pentachlorophenol in S1WLCS and high recovery of 4-nitrophenol in the duplicate. Replicate RPDs were within the QC limits.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample B-390. Spike recoveries and replicate RPDs were within the QC limits.

Sample analysis: no other unusual observation was made for the analysis.

4. Pesticides/PCB Analysis:

GC column used: 30 m x 0.53 mm id (0.5 um film thickness) CLPPest and 30 m x 0.53 mm id (0.42 um film thickness) CLPPestII megabore columns

Surrogate recovery: recoveries were within the QC limits with the exception of high recovery of tetrachloro-m-xylene in one column for sample RINSATE2.

Lab control sample/lab control sample duplicate: spike recoveries and replicate RPDs were within the QC limits.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample B-390. Spike recoveries and replicate RPDs were within the QC limits.

Sample analysis: no other unusual observation was made for the analysis.

5. Metals Analysis:

Mercury was analyzed using a Perkin Elmer Model 100 FIMS cold vapor atomic absorption analyzer. The other elements were analyzed using either a Perkin Elmer Model 3100XL Optima or a Perkin Elmer Model 4300DV ICAP.

Lab control sample: spike recoveries were within the QC limits.

Matrix spike: matrix spike was performed on sample B-390. Spike recoveries were within the QC limits with the exception of antimony, selenium and silver. Antimony, selenium and silver are flagged with an "N" on the data report forms. A post digest spike was performed and reported for antimony and selenium. The percent recovery for manganese could not be accurately determined, as the sample concentration was significantly greater than the spike concentration. When the sample concentration is more than four times the spike concentration, it tends to obscure the relatively smaller spike amount; control limits do not apply in this circumstance.

Matrix duplicate: matrix duplicate was performed on sample B-390. Replicate RPDs were within the QC limits with the exception of arsenic, calcium, chromium, iron, magnesium and manganese. These elements are flagged with an "*" on the data report forms.

Sample analysis: serial dilution was performed on samples B-390 and RINSATE2 with spike recoveries within the QC limits with the exception of copper for sample B-390. Copper is flagged with an "E" on the data report forms. No other unusual observation was made for the analysis.

6. Cyanide Analysis:

The cyanide samples were prepared using minidistill apparatus by Kontes. The resultant distillates were analyzed using a Lachat QuikChem 8000 autoanalyzer.

Lab control sample: spike recovery was within the QC limits.

Matrix spike: matrix spike was performed on soil sample B-390 and aqueous sample RINSATE2. Spike recovery was within the QC limits for both samples.

Matrix duplicate: matrix duplicate was performed on soil sample B-390 and aqueous sample RINSATE2. Replicate RPD was within the QC limits for both samples.

Sample analysis: no unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Agnes Ng
CLP Project Manager
06/01/05

ALKANE NARRATIVE REPORT
Report date : 05/31/2005
SDG: MD0529

Client Sample ID: B-330 Lab Sample ID: D0529-02A File ID: V5F9954

Compound	RT	Est. Conc.	Q
Branched Alkane	10.12	5200	J
Cyclic Alkane	10.25	9100	J
Branched Alkane	11.74	3400	J

Client Sample ID: B-330DL Lab Sample ID: D0529-02ADL File ID: V6D6175

Compound	RT	Est. Conc.	Q
Branched Alkane	10.41	280000	JD
Branched Alkane	11.85	430000	JD
Cyclic Alkane	12.18	210000	JD
Branched Alkane	12.40	190000	JD
Branched Alkane	12.55	220000	JD

Mitkem Corporation

11/May/05 09:37

WorkOrder: D0529

Client ID: DAY
Project: Jamestown
Location: 5 HUNTS ROAD
Comments: N/A

Case:
SDG:
PO: 3563S-04

Report Level: ASP-B
EDD:
HC Due: 05/30/05
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage
D0529-01A	B-390	05/05/05 08:43	05/07/05	Soil	OLM4.2_PH	NYS CLP - ADD LCS, OLM		✔		C2
					OLM4.2_PP_S	NYS CLP - ADD LCS, OLM		✔		C2
					OLM4.2_SVOA_S	NYS CLP - ADD LCS, OLM		✔		C2
					PMoist					C2
D0529-01B	B-390	05/05/05 08:43	05/07/05	Soil	ILM4.1_CN_S			✔		C2
					ILM4.1_HG_S	ILM		✔		C2
					ILM4.1_ICP_S	ILM		✔	✔	C2
D0529-01C	B-390	05/05/05 08:43	05/07/05	Soil	OLM4.2_VOA_LOW_S	NYS CLP - ADD LCS		✔		VOA
D0529-02A	B-330	05/05/05 08:29	05/07/05	Soil	OLM4.2_VOA_LOW_S	NYS CLP - ADD LCS				VOA
					PMoist					VOA
D0529-03A	RINSATE2	05/05/05 07:45	05/07/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS				VOA
D0529-03B	RINSATE2	05/05/05 07:45	05/07/05	Aqueous	OLM4.2_PP_W	NYS CLP - ADD LCS				C2
					OLM4.2_SVOA_W	NYS CLP - ADD LCS				C2

Client Rep: Agnes R Ng

Mitkem Corporation

11/May/05 09:37

WorkOrder: D0529

Client ID: DAY
Project: Jamestown
Location: 5 HUNTS ROAD
Comments: N/A

Case:
SDG:
PO: 3563S-04

Report Level: ASP-B
EDD:
HC Due: 05/30/05
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage
D0529-03C	RINSATE2	05/05/05 07:45	05/07/05	Aqueous	ILM4.1_CN_W					C2
D0529-03D	RINSATE2	05/05/05 07:45	05/07/05	Aqueous	ILM4.1_HG_W	ILM				M4
					ILM4.1_ICP_W	ILM			✔	M4

Client Rep: Agnes R Ng

8000

Sample Transmittal Documentation

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO		
COMPANY DAY ENVIRONMENTAL INC	PHONE ~~585~~ ~~385~~ ~~3554~~ 454-0210 (cell)	COMPANY SAME	PHONE	LAB PROJECT #: D0529
NAME DAN NOLL	FAX ~~585~~ 454-~~0285~~	NAME	FAX	
ADDRESS 40 Commercial Street		ADDRESS		TURNAROUND TIME: STANDARD
CITY/ST/ZIP Rochester NY 14614		CITY/ST/ZIP		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
5 Hunt Rd., Jamestown, NY	35635-04	35635-04

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: ASP Cat B VOC 8260 TCL VOC 8260	COMMENTS
B-3 (9.0')	5-5-05 / 0843		X		X		01	4	X	Please run MS/MSD
B-3 (3.0')	5-5-05 / 0829		X		X		02	1	X	
Rinsate-2 (5-5-05)	5-5-05 / 0745		X	X			03	6	X	
	/									
	/									
	/									
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	/									
	/									
	/									
	/									
	/									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	CLC DR	5-6-05 / 1300	FED EX	5-6-05 / 1300	ASP category B data deliverables	5°C
		/	Tim Sheehan	5-7-05 / 0930		
		/		/		

0010

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION
Sample Condition Form

Received By: ARN | Reviewed By: [signature] | Date: 5/7/05 | MITKEM Project #: D0529

Client Project: Jamestown | Client: Day

Cooler Sealed (Yes) / No

1) Custody Seal(s) Present / (Absent)
(Coolers) / Bottles
Intact / Broken

2) Custody Seal Number(s)

3) Chain-of-Custody (Present) / Absent

4) Cooler Temperature 5°C
Coolant Condition Ice

5) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx
8507647079 60

6) Sample Bottles (Intact)/Broken/Leakin

7) Date Received 5/7/05

8) Time Received 930

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
D0529	01					US	
↓	02					US	
D0529	03	<2			>12	U	

VOA Matrix Key:
US = Unpreserved Soil **A** = Air
UA = Unpreserved Aqueo **H** = HCl
M/N= MeOH & $NaHSO_4$ **E** = Encore
N = $NaHSO_4$ **M** =MeOH

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes/ no

Form ID: SampleCond.Form-11/04

MITKEM CORPORATION

* Volatiles *

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK6C	107	98	102		0
02	V6CLCS	96	89	101		0
03	RINSATE	106	101	106		0
04	VBLK6F	92	88	88		0
05	VHBLK6F	89	93	92		0
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	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK5L	102	96	104		0
02	V5LLCS	100	95	96		0
03	B-390	96	100	97		0
04	B-390MS	101	99	95		0
05	B-390MSD	99	101	99		0
06	B-330	100	140*	100		1
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		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(84-138)
SMC2 (BFB)	= Bromofluorobenzene	(59-113)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK6E	92	90	87		0
02	V6ELCS	100	97	95		0
03	B-390DL	97	94	93		0
04	B-390DLMS	93	93	89		0
05	B-390DLMSD	101	97	96		0
06	VBLK6G	87	84	86		0
07	B-330DL	90	111	97		0
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	QC LIMITS
SMC1 (TOL) = Toluene-d8	(84-138)
SMC2 (BFB) = Bromofluorobenzene	(59-113)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix Spike - EPA Sample No.: B-390DL Level: (low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	7500	0.0	6300	84	59-172
Trichloroethene	7500	0.0	7100	95	62-137
Benzene	7500	0.0	7800	104	66-142
Toluene	7500	0.0	7900	105	59-139
Chlorobenzene	7500	0.0	8100	108	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	7500	7300	97	14	22	59-172
Trichloroethene	7500	8000	107	12	24	62-137
Benzene	7500	8800	117	12	21	66-142
Toluene	7500	8800	117	11	21	59-139
Chlorobenzene	7500	8800	117	8	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: TEST2

Matrix Spike - EPA Sample No.: B-390 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	58	0.0	70	121	59-172
Trichloroethene	58	5	68	109	62-137
Benzene	58	0.0	65	112	66-142
Toluene	58	0.0	62	107	59-139
Chlorobenzene	58	0.0	60	103	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	60	63	105	14	22	59-172
Trichloroethene	60	72	112	3	24	62-137
Benzene	60	69	115	3	21	66-142
Toluene	60	64	107	0	21	59-139
Chlorobenzene	60	62	103	0	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix Spike - Sample No.: V6CLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		55	110	59-172
Trichloroethene	50		52	104	62-137
Benzene	50		60	120	66-142
Toluene	50		62	124	59-139
Chlorobenzene	50		63	126	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix Spike - Sample No.: V5LLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		56	112	59-172
Trichloroethene	50		56	112	62-137
Benzene	50		57	114	66-142
Toluene	50		56	112	59-139
Chlorobenzene	50		58	116	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix Spike - Sample No.: V6ELCS Level:(low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	6300		4800	76	61-145
Trichloroethene	6300		6300	100	71-120
Benzene	6300		7000	111	76-127
Toluene	6300		7100	113	76-125
Chlorobenzene	6300		7200	114	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: V5F9942 Lab Sample ID: MB-18114

Date Analyzed: 05/13/05 Time Analyzed: 1059

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: V5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V5LLCS	LCS-18114	V5F9943	1136
02	B-390	D0529-01C	V5F9951	1546
03	B-390MS	D0529-01CMS	V5F9952	1619
04	B-390MSD	D0529-01CMSD	V5F9953	1652
05	B-330	D0529-02A	V5F9954	1724
06				
07				
08				
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COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: V6D6113 Lab Sample ID: MB-18113

Date Analyzed: 05/13/05 Time Analyzed: 1141

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V6CLCS	LCS-18113	V6D6115	1342
02	RINSATE	D0529-03A	V6D6128	2004
03				
04				
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COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6E

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: V6D6148 Lab Sample ID: MB-18128

Date Analyzed: 05/16/05 Time Analyzed: 1456

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V6ELCS	LCS-18128	V6D6149	1531
02	B-390DL	D0529-01CDL	V6D6156	1848
03	B-390DLMS	D0529-01CDLMS	V6D6157	1914
04	B-390DLMSD	D0529-01CDLMSD	V6D6158	1941
05				
06				
07				
08				
09				
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COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: V6D6172 Lab Sample ID: MB-18151

Date Analyzed: 05/17/05 Time Analyzed: 1055

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK6F	VHBLK6F	V6D6177	1443
02				
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COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6G

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: V6D6173 Lab Sample ID: MB-18152

Date Analyzed: 05/17/05 Time Analyzed: 1121

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B-330DL	D0529-02ADL	V6D6175	1331
02				
03				
04				
05				
06				
07				
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COMMENTS: _____

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: V5F9475 BFB Injection Date: 04/13/05

Instrument ID: V5 BFB Injection Time: 1045

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.4
75	30.0 - 66.0% of mass 95	46.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.2 (0.2)1
174	50.0 - 120.0% of mass 95	87.2
175	4.0 - 9.0% of mass 174	6.3 (7.2)1
176	93.0 - 101.0% of mass 174	85.4 (97.9)1
177	5.0 - 9.0% of mass 176	5.7 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0505Z	VSTD0505Z	V5F9476	04/13/05	1117
02	VSTD0105Z	VSTD0105Z	V5F9477	04/13/05	1227
03	VSTD2005Z	VSTD2005Z	V5F9478	04/13/05	1340
04	VSTD1005Z	VSTD1005Z	V5F9479	04/13/05	1426
05	VSTD0205Z	VSTD0205Z	V5F9480	04/13/05	1455
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: V5F9940 BFB Injection Date: 05/13/05

Instrument ID: V5 BFB Injection Time: 0926

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.9
75	30.0 - 66.0% of mass 95	47.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	82.3
175	4.0 - 9.0% of mass 174	5.9 (7.1)1
176	93.0 - 101.0% of mass 174	79.9 (97.1)1
177	5.0 - 9.0% of mass 176	5.3 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0505L	VSTD0505L	V5F9941	05/13/05	1009
02	VBLK5L	MB-18114	V5F9942	05/13/05	1059
03	V5LLCS	LCS-18114	V5F9943	05/13/05	1136
04	B-390	D0529-01C	V5F9951	05/13/05	1546
05	B-390MS	D0529-01CMS	V5F9952	05/13/05	1619
06	B-390MSD	D0529-01CMSD	V5F9953	05/13/05	1652
07	B-330	D0529-02A	V5F9954	05/13/05	1724
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: V6D6090 BFB Injection Date: 05/12/05

Instrument ID: V6 BFB Injection Time: 0937

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.6
75	30.0 - 66.0% of mass 95	45.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 120.0% of mass 95	84.9
175	4.0 - 9.0% of mass 174	6.0 (7.1)1
176	93.0 - 101.0% of mass 174	81.1 (95.5)1
177	5.0 - 9.0% of mass 176	5.3 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506B	VSTD0506B	V6D6091	05/12/05	1240
02	VSTD2006B	VSTD2006B	V6D6093	05/12/05	1332
03	VSTD1006B	VSTD1006B	V6D6094	05/12/05	1358
04	VSTD0206B	VSTD0206B	V6D6095	05/12/05	1425
05	VSTD0106B	VSTD0106B	V6D6096	05/12/05	1506
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: V6D6110 BFB Injection Date: 05/13/05

Instrument ID: V6 BFB Injection Time: 0927

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.4
75	30.0 - 66.0% of mass 95	47.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.6 (0.8)1
174	50.0 - 120.0% of mass 95	71.7
175	4.0 - 9.0% of mass 174	4.9 (6.8)1
176	93.0 - 101.0% of mass 174	70.5 (98.4)1
177	5.0 - 9.0% of mass 176	4.8 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506C	VSTD0506C	V6D6112	05/13/05	1047
02	VBLK6C	MB-18113	V6D6113	05/13/05	1141
03	V6CLCS	LCS-18113	V6D6115	05/13/05	1342
04	RINSATE	D0529-03A	V6D6128	05/13/05	2004
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: V6D6140 BFB Injection Date: 05/16/05

Instrument ID: V6 BFB Injection Time: 0912

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.6
75	30.0 - 66.0% of mass 95	45.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.5 (0.7)1
174	50.0 - 120.0% of mass 95	75.6
175	4.0 - 9.0% of mass 174	5.6 (7.4)1
176	93.0 - 101.0% of mass 174	73.6 (97.3)1
177	5.0 - 9.0% of mass 176	4.5 (6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506D	VSTD0506D	V6D6141	05/16/05	1018
02	VSTD0106D	VSTD0106D	V6D6142	05/16/05	1108
03	VSTD2006D	VSTD2006D	V6D6143	05/16/05	1134
04	VSTD1006D	VSTD1006D	V6D6144	05/16/05	1205
05	VSTD0206D	VSTD0206D	V6D6145	05/16/05	1231
06	VBLK6E	MB-18128	V6D6148	05/16/05	1456
07	V6ELCS	LCS-18128	V6D6149	05/16/05	1531
08	B-390DL	D0529-01CDL	V6D6156	05/16/05	1848
09	B-390DLMS	D0529-01CDLMS	V6D6157	05/16/05	1914
10	B-390DLMSD	D0529-01CDLMSD	V6D6158	05/16/05	1941
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: V6D6170 BFB Injection Date: 05/17/05

Instrument ID: V6 BFB Injection Time: 0946

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.3
75	30.0 - 66.0% of mass 95	46.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.6 (0.8)1
174	50.0 - 120.0% of mass 95	76.9
175	4.0 - 9.0% of mass 174	5.6 (7.3)1
176	93.0 - 101.0% of mass 174	74.8 (97.2)1
177	5.0 - 9.0% of mass 176	4.7 (6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506F	VSTD0506F	V6D6171	05/17/05	1010
02	VBLK6F	MB-18151	V6D6172	05/17/05	1055
03	VBLK6G	MB-18152	V6D6173	05/17/05	1121
04	B-330DL	D0529-02ADL	V6D6175	05/17/05	1331
05	VHBLK6F	VHBLK6F	V6D6177	05/17/05	1443
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8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

EPA Sample No. (VSTD050##): VSTD0505L Date Analyzed: 05/13/05

Lab File ID (Standard): V5F9941 Time Analyzed: 1009

Instrument ID: V5 Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	401080	5.11	1943927	6.11	1744916	9.20
	UPPER LIMIT	802160	5.61	3887854	6.61	3489832	9.70
	LOWER LIMIT	200540	4.61	971964	5.61	872458	8.70
	EPA SAMPLE						
01	VBLK5L	328905	5.11	1640816	6.11	1457585	9.20
02	V5LLCS	365739	5.11	1912671	6.11	1679425	9.20
03	B-390	355616	5.12	1759581	6.11	1628523	9.20
04	B-390MS	341675	5.11	1728135	6.10	1506395	9.20
05	B-390MSD	335369	5.11	1650884	6.11	1494050	9.20
06	B-330	330080	5.11	1619431	6.11	1594240	9.20
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

EPA Sample No. (VSTD050##): VSTD0506C Date Analyzed: 05/13/05

Lab File ID (Standard): V6D6112 Time Analyzed: 1047

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	364428	4.70	1895337	5.80	1794683	9.31
	UPPER LIMIT	728856	5.20	3790674	6.30	3589366	9.81
	LOWER LIMIT	182214	4.20	947669	5.30	897342	8.81
	EPA SAMPLE						
01	VBLK6C	361873	4.70	1792107	5.80	1624719	9.30
02	V6CLCS	359222	4.71	1880181	5.80	1723154	9.31
03	RINSATE	332774	4.70	1584616	5.80	1496596	9.31
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

EPA Sample No. (VSTD050##): VSTD0506D Date Analyzed: 05/16/05

Lab File ID (Standard): V6D6141 Time Analyzed: 1018

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	366813	4.70	1958069	5.80	1845177	9.31
	UPPER LIMIT	733626	5.20	3916138	6.30	3690354	9.81
	LOWER LIMIT	183407	4.20	979035	5.30	922589	8.81
	EPA SAMPLE						
01	VBLK6E	372701	4.70	1797753	5.80	1674592	9.31
02	V6ELCS	359448	4.70	1799759	5.79	1689352	9.31
03	B-390DL	349266	4.70	1720031	5.80	1627737	9.31
04	B-390DLMS	369893	4.70	1857421	5.80	1724237	9.31
05	B-390DLMSD	356254	4.70	1795355	5.79	1702012	9.30
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

EPA Sample No. (VSTD050##): VSTD0506F Date Analyzed: 05/17/05

Lab File ID (Standard): V6D6171 Time Analyzed: 1010

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	373860	4.70	1901929	5.80	1790182	9.31
	UPPER LIMIT	747720	5.20	3803858	6.30	3580364	9.81
	LOWER LIMIT	186930	4.20	950965	5.30	895091	8.81
	EPA SAMPLE						
01	VBLK6F	392115	4.70	1989492	5.80	1826842	9.31
02	VBLK6G	402849	4.71	2027826	5.79	1847884	9.30
03	B-330DL	347239	4.71	1650019	5.79	1745614	9.30
04	VHBLK6F	349512	4.70	1720241	5.80	1610539	9.31
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-330

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-02A

Sample wt/vol: 1.0(g/mL) G Lab File ID: V5F9954

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 13 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	57	U
74-87-3	Chloromethane	57	U
75-01-4	Vinyl Chloride	50	J
74-83-9	Bromomethane	57	U
75-00-3	Chloroethane	57	U
75-69-4	Trichlorofluoromethane	57	U
75-35-4	1,1-Dichloroethene	57	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	57	U
67-64-1	Acetone	57	U
75-15-0	Carbon Disulfide	57	U
79-20-9	Methyl Acetate	57	U
75-09-2	Methylene Chloride	14	J
156-60-5	trans-1,2-Dichloroethene	13	J
1634-04-4	Methyl tert-Butyl Ether	57	U
75-34-3	1,1-Dichloroethane	57	U
156-59-2	cis-1,2-Dichloroethene	1100	
78-93-3	2-Butanone	57	U
67-66-3	Chloroform	57	U
71-55-6	1,1,1-Trichloroethane	14	J
110-82-7	Cyclohexane	57	U
56-23-5	Carbon Tetrachloride	57	U
71-43-2	Benzene	57	U
107-06-2	1,2-Dichloroethane	57	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-330

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-02A

Sample wt/vol: 1.0 (g/mL) G Lab File ID: V5F9954

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 13 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	6500	E
108-87-2	Methylcyclohexane	17	J
78-87-5	1,2-Dichloropropane	57	U
75-27-4	Bromodichloromethane	57	U
10061-01-5	cis-1,3-Dichloropropene	57	U
108-10-1	4-Methyl-2-Pentanone	57	U
108-88-3	Toluene	8	J
10061-02-6	trans-1,3-Dichloropropene	57	U
79-00-5	1,1,2-Trichloroethane	57	U
127-18-4	Tetrachloroethene	12000	E
591-78-6	2-Hexanone	57	U
124-48-1	Dibromochloromethane	57	U
106-93-4	1,2-Dibromoethane	57	U
108-90-7	Chlorobenzene	8	J
100-41-4	Ethylbenzene	6	J
1330-20-7	Xylene (Total)	10	J
100-42-5	Styrene	57	U
75-25-2	Bromoform	57	U
98-82-8	Isopropylbenzene	57	U
79-34-5	1,1,2,2-Tetrachloroethane	57	U
541-73-1	1,3-Dichlorobenzene	57	U
106-46-7	1,4-Dichlorobenzene	57	U
95-50-1	1,2-Dichlorobenzene	57	U
96-12-8	1,2-Dibromo-3-chloropropane	57	U
120-82-1	1,2,4-Trichlorobenzene	57	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-330

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-02A

Sample wt/vol: 1.0 (g/mL) G Lab File ID: V5F9954

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 13 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

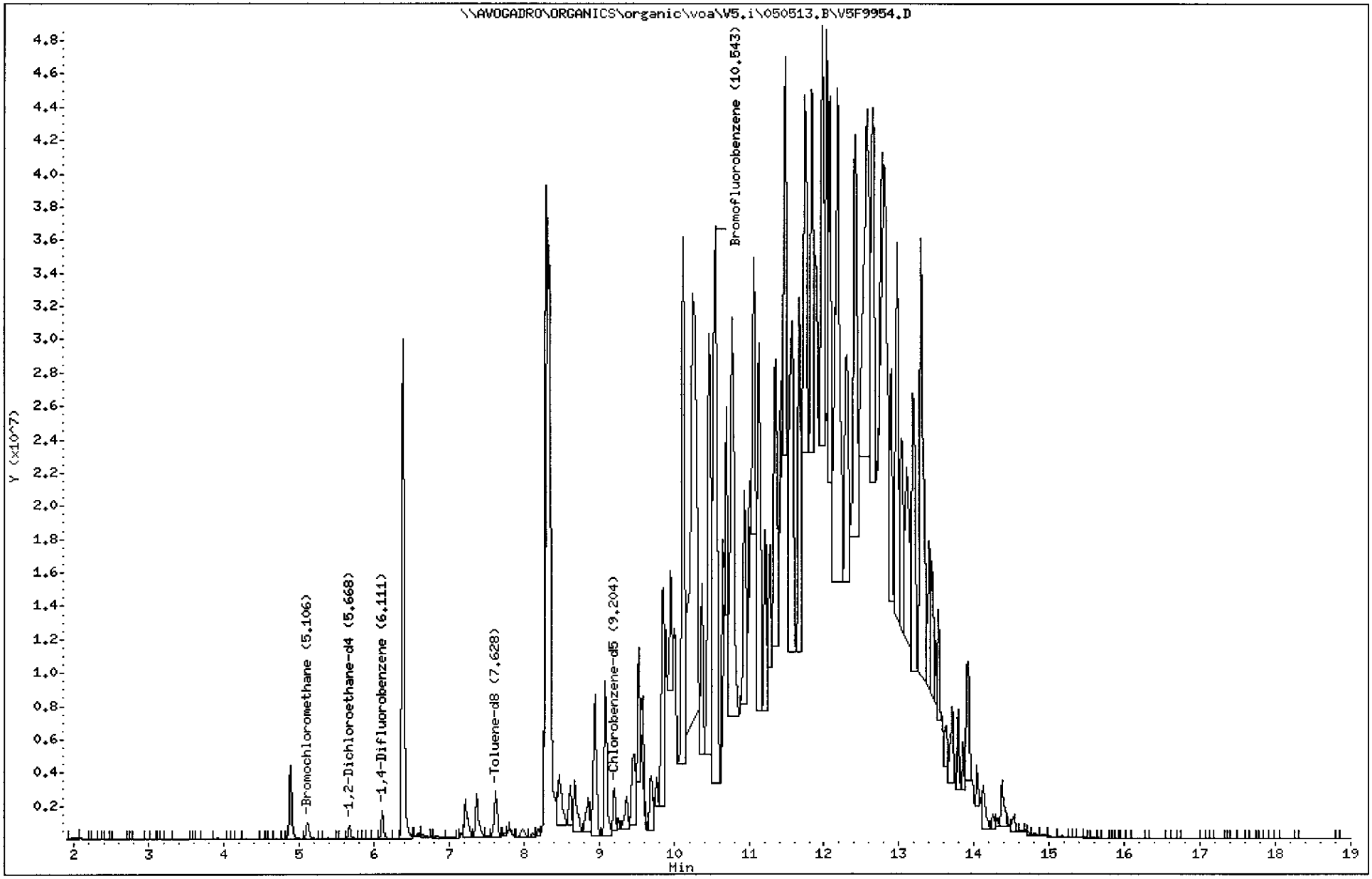
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.95	1500	J
2.	UNKNOWN	9.85	2200	J
3.	BRANCHED ALKANE	10.12	5200	J
4.	CYCLIC ALKANE	10.25	9100	J
5.	UNKNOWN	10.37	1500	J
6.	UNKNOWN	10.46	5300	J
7.	UNKNOWN	10.78	4900	J
8.	UNKNOWN	10.94	2200	J
9.	UNKNOWN	11.07	2400	J
10.	UNKNOWN	11.13	4100	J
11.	UNKNOWN	11.21	1400	J
12.	UNKNOWN	11.35	3500	J
13.	UNKNOWN	11.48	3500	J
14.	UNKNOWN	11.57	5100	J
15.	UNKNOWN	11.67	3400	J
16.	BRANCHED ALKANE	11.74	3400	J
17.	UNKNOWN	11.83	3400	J
18.	UNKNOWN	11.98	3800	J
19.	UNKNOWN	12.03	3100	J
20.	UNKNOWN	12.08	3400	J
21.	UNKNOWN	12.18	7600	J
22.	UNKNOWN	12.30	3100	J
23. 91-17-8	NAPHTHALENE, DECAHYDRO-	12.40	5300	NJ
24.	UNKNOWN	12.57	6400	J
25.	UNKNOWN	12.64	4600	J
26.	UNKNOWN	12.78	1400	J
27.	UNKNOWN	12.90	2100	J
28.	UNKNOWN	12.98	3400	J
29.	UNKNOWN	13.18	2900	J
30.	UNKNOWN	13.29	5200	J

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D
Date : 13-MAY-2005 17:24
Client ID: B-330
Sample Info: ,D0529-02A,,18114

Instrument: v5.i

Operator: JC SRC: LIMS
Column diameter: 0.25

Column phase: DB-624



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D
Report Date: 25-May-2005 10:48

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D
Lab Smp Id: D0529-02A Client Smp ID: B-330
Inj Date : 13-MAY-2005 17:24
Operator : JC SRC: LIMS Inst ID: v5.i
Smp Info : ,D0529-02A,,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 25-May-2005 10:43 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	1.000	Weight of sample (g)
M	13.000	% Moisture (not decanted)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
3	Vinyl Chloride	62	1.974	1.980	(0.387)	130975	8.73271	50(a)
12	Methylene Chloride	84	3.688	3.645	(0.722)	26589	2.41242	14(a)
13	trans-1,2-Dichloroethene	96	3.914	3.911	(0.767)	26226	2.27640	13(a)
17	cis-1,2-Dichloroethene	96	4.880	4.876	(0.956)	2272008	195.122	1100
* 18	Bromochloromethane	128	5.106	5.112	(1.000)	330080	50.0000	
20	1,1,1-Trichloroethane	97	5.382	5.378	(0.881)	34084	2.42436	14(a)
$ 23	1,2-Dichloroethane-d4	65	5.668	5.674	(1.110)	680234	50.0605	290
* 26	1,4-Difluorobenzene	114	6.111	6.107	(1.000)	1619431	50.0000	
27	Trichloroethene	130	6.377	6.373	(1.044)	13718299	1134.54	6500(A)
28	Methylcyclohexane	83	6.584	6.580	(1.077)	55056	2.94887	17(aQ)
$ 33	Toluene-d8	98	7.628	7.624	(0.829)	1922274	49.7623	290
34	Toluene	91	7.697	7.693	(0.836)	66027	1.41771	8(a)
37	Tetrachloroethene	164	8.288	8.294	(0.900)	22403052	2174.26	12000(AM)
* 42	Chlorobenzene-d5	117	9.204	9.200	(1.000)	1594240	50.0000	
43	Chlorobenzene	112	9.233	9.229	(1.003)	42690	1.37499	8(a)

M5: Split peak SB 5/25/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D
Report Date: 25-May-2005 10:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
44	Ethylbenzene	106	9.361	9.357	(1.017)	17989	1.12562	6(aQ)
45	m,p-Xylene	106	9.499	9.495	(1.032)	32991	1.68421	10(aQ)
$ 50	Bromofluorobenzene	95	10.553	10.549	(1.147)	1107535	70.0402	400(QR)
M 41	Xylene (Total)	106				32991	1.74718	10(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

SB 5/25/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D
Report Date: 25-May-2005 10:48

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D
Lab Smp Id: D0529-02A Client Smp ID: B-330
Inj Date : 13-MAY-2005 17:24
Operator : JC SRC: LIMS Inst ID: v5.i
Smp Info : ,D0529-02A,,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 25-May-2005 10:43 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	1.000	Weight of sample (g)
M	13.000	% Moisture (not decanted)

ISTD	RT	AREA	AMOUNT
* 42 Chlorobenzene-d5	9.204	4853789	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
8.948	24699738	254.437698	1500	0		0	42
Unknown				CAS #:			
9.854	36610770	377.135986	2200	0		0	42
Branched Alkane				CAS #:			
10.120	87241281	898.692558	5200	0		0	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D
Report Date: 25-May-2005 10:48

RT	AREA	CONCENTRATIONS ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Cyclic Alkane					CAS #:		
10.248	1.544e+008	1590.89459	9100	0		0	42
Unknown					CAS #:		
10.366	25679882	264.534387	1500	0		0	42
Unknown					CAS #:		
10.464	89833268	925.393213	5300	0		0	42
Unknown					CAS #:		
10.780	83454211	859.681076	4900	0		0	42
Unknown					CAS #:		
10.937	37920924	390.632184	2200	0		0	42
Unknown					CAS #:		
11.065	40547452	417.688655	2400	0		0	42
Unknown					CAS #:		
11.134	69587391	716.835765	4100	0		0	42
Unknown					CAS #:		
11.213	24255807	249.864662	1400	0		0	42
Unknown					CAS #:		
11.351	58641513	604.079751	3500	0		0	42
Unknown					CAS #:		
11.479	58626464	603.924728	3500	0		0	42
Unknown					CAS #:		
11.568	86703461	893.152350	5100	0		0	42
Unknown					CAS #:		
11.666	58251264	600.059706	3400	0		0	42
Branched Alkane					CAS #:		
11.745	57060817	587.796637	3400	0		0	42
Unknown					CAS #:		
11.833	58268697	600.239287	3400	0		0	42
Unknown					CAS #:		
11.981	63455811	653.672945	3800	0		0	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D
Report Date: 25-May-2005 10:48

RT	AREA	CONCENTRATIONS ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
12.030	52083167	536.520716	3100	0		0	42
Unknown				CAS #:			
12.080	57844567	595.870226	3400	0		0	42
Unknown				CAS #:			
12.178	1.277e+008	1315.38045	7600	0		0	42
Unknown				CAS #:			
12.296	52099181	536.685680	3100	0		0	42
Naphthalene, decahydro-				CAS #: 91-17-8			
12.405	88760255	914.339859	5300	96	NBS75K.L	65933	42
Unknown				CAS #:			
12.572	1.075e+008	1107.56293	6400	0		0	42
Unknown				CAS #:			
12.641	78231191	805.877542	4600	0		0	42
Unknown				CAS #:			
12.779	24334485	250.675143	1400	0		0	42
Unknown				CAS #:			
12.897	36127671	372.159472	2100	0		0	42
Unknown				CAS #:			
12.976	57600517	593.356211	3400	0		0	42
Unknown				CAS #:			
13.183	49177725	506.591088	2900	0		0	42
Unknown				CAS #:			
13.291	88626302	912.959978	5200	0		0	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

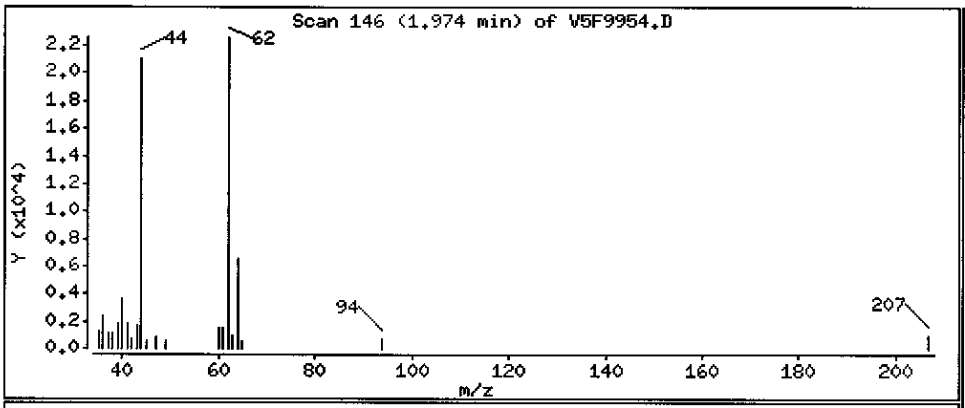
Client ID: B-330 Instrument: v5.i

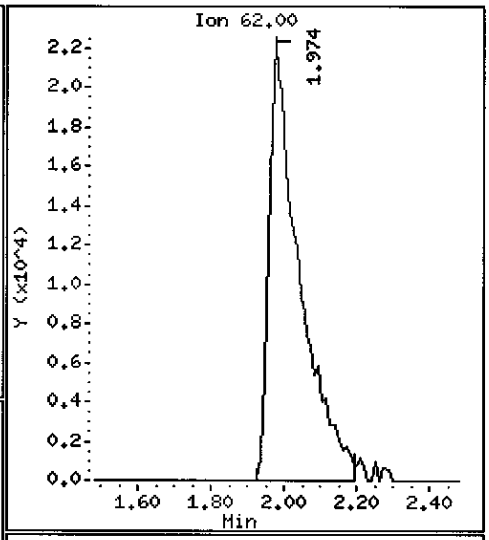
Sample Info: ,D0529-02A,,18114

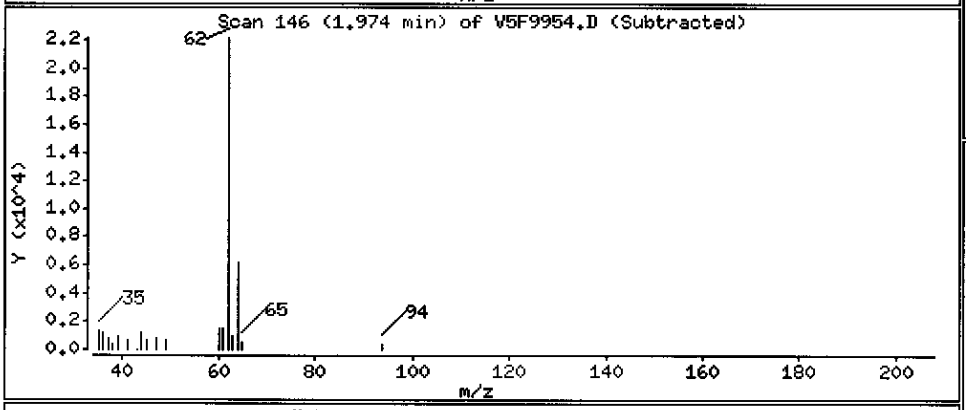
Operator: JC SRC: LIMS

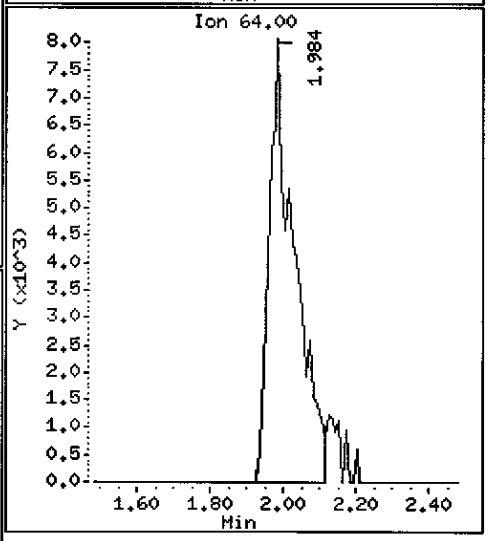
Column phase: DB-624 Column diameter: 0.25

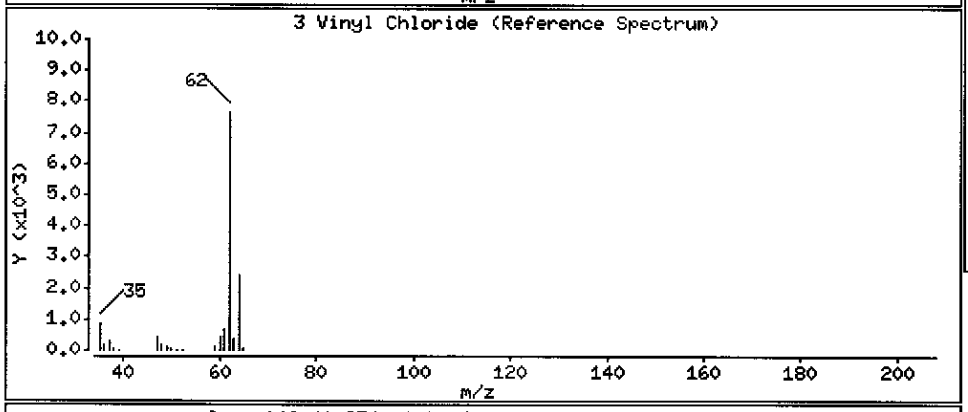
3 Vinyl Chloride Concentration: 50 ug/Kg

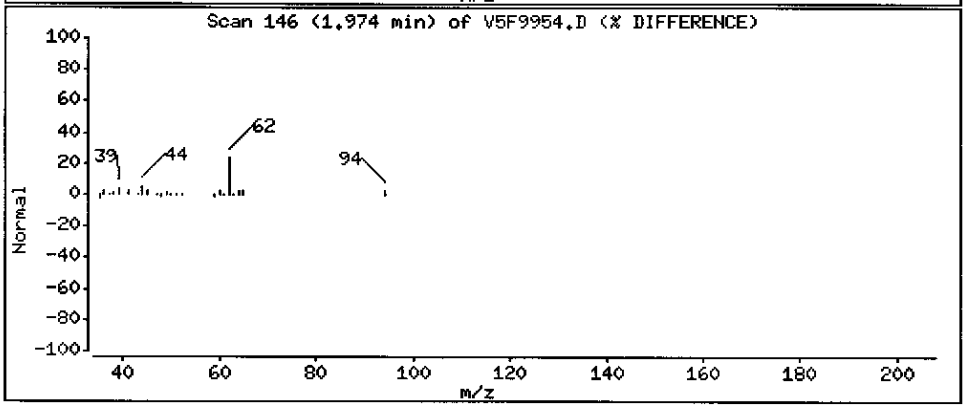












Data File: \\AVOCADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

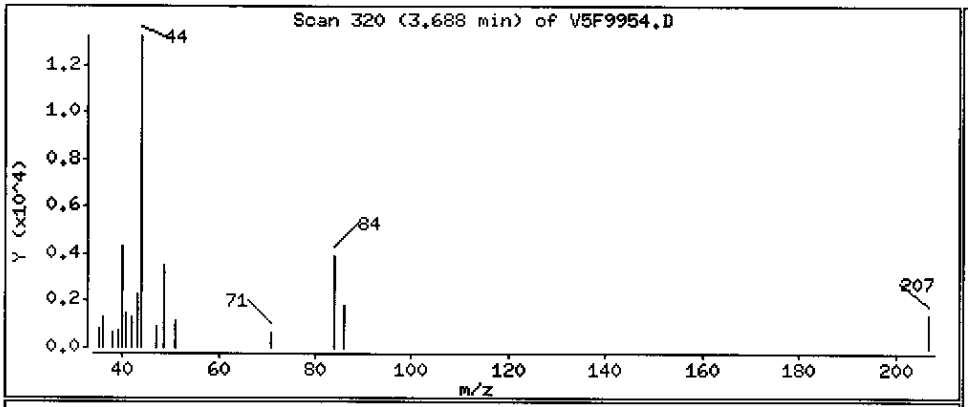
Client ID: B-330 Instrument: v5.i

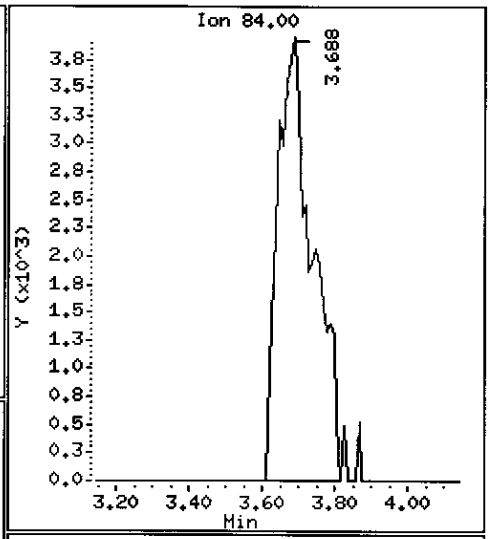
Sample Info: ,D0529-02A,,18114

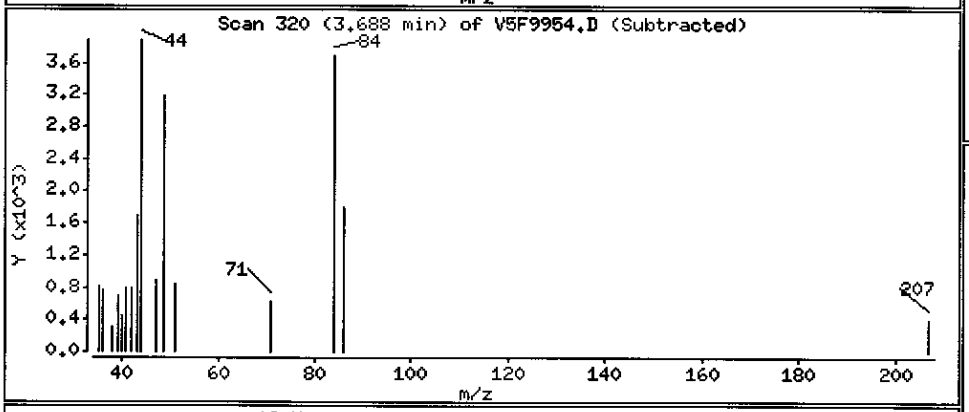
Operator: JC SRC: LIMS

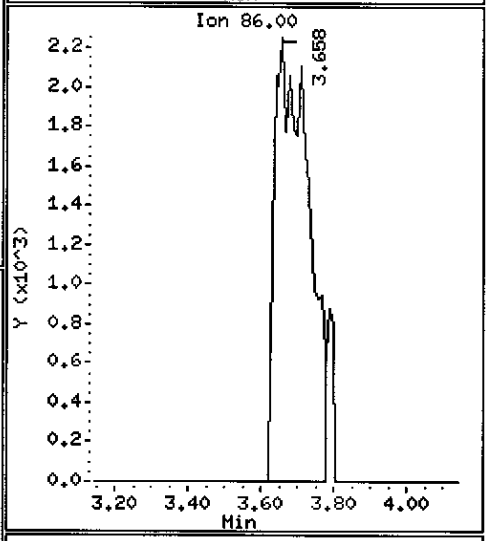
Column phase: DB-624 Column diameter: 0.25

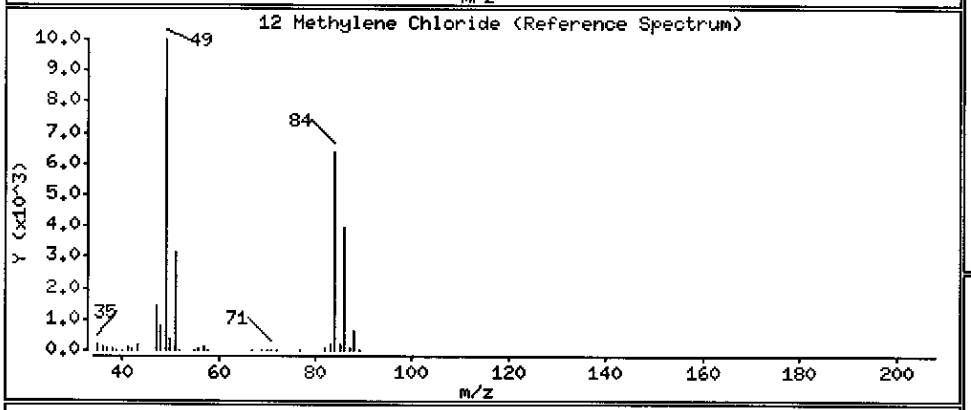
12 Methylene Chloride Concentration: 14 ug/Kg

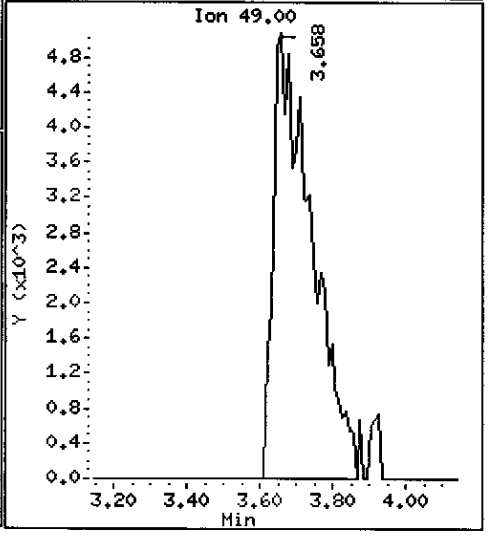


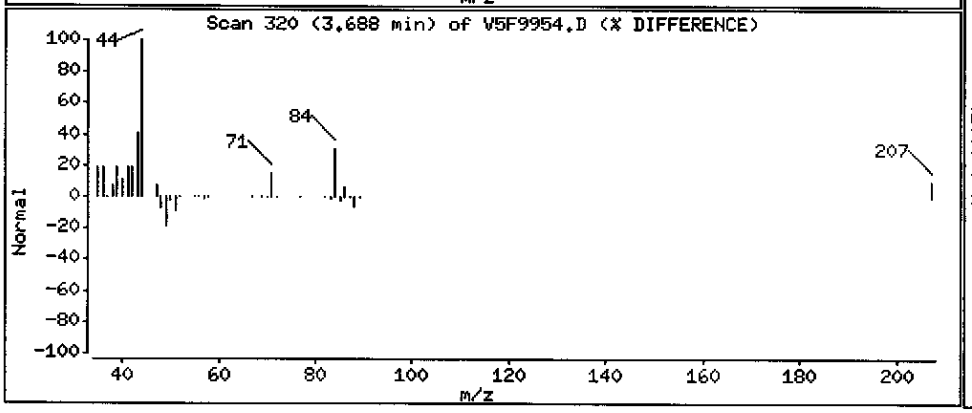












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

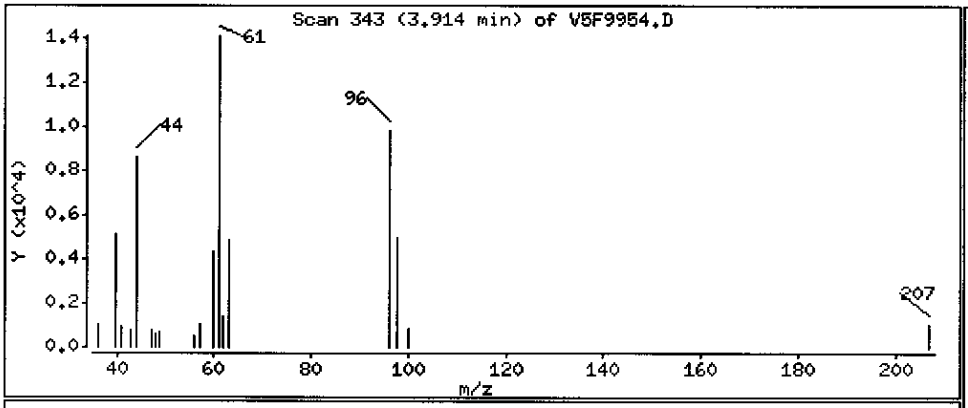
Client ID: B-330 Instrument: v5.i

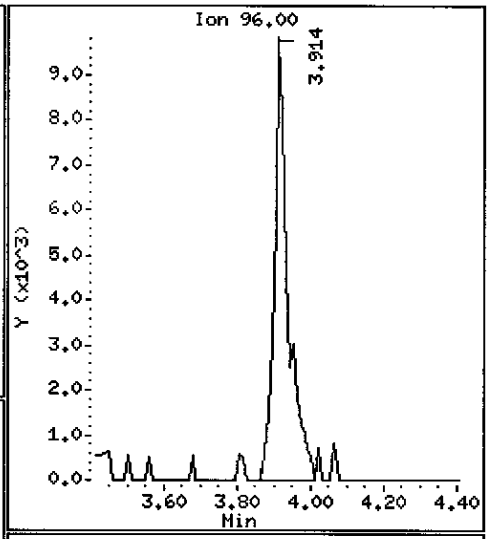
Sample Info: ,D0529-02A,,18114

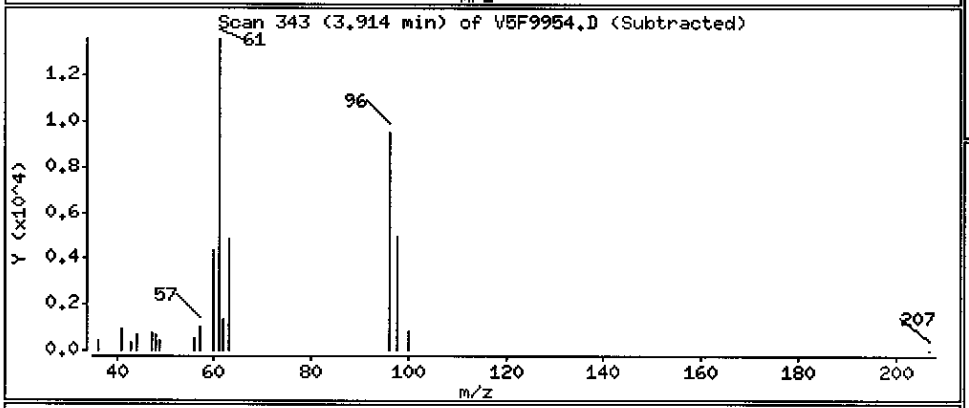
Operator: JC SRC: LIMS

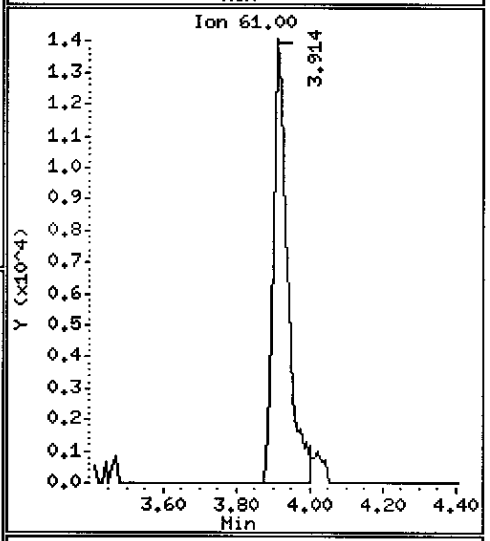
Column phase: DB-624 Column diameter: 0.25

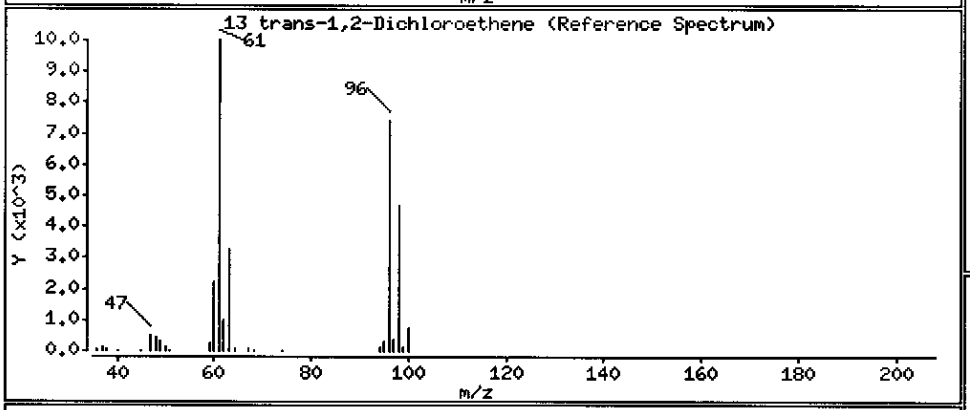
13 trans-1,2-Dichloroethene Concentration: 13 ug/Kg

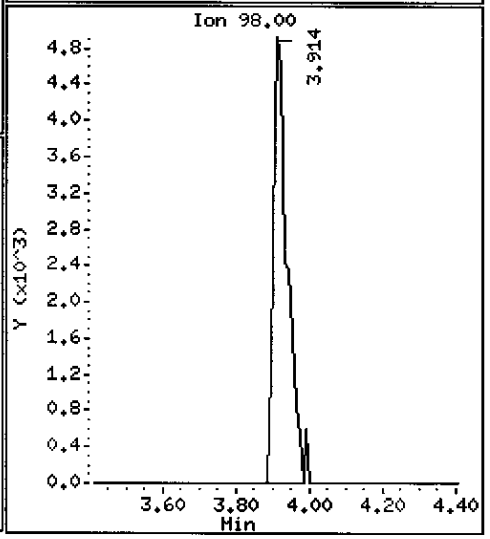


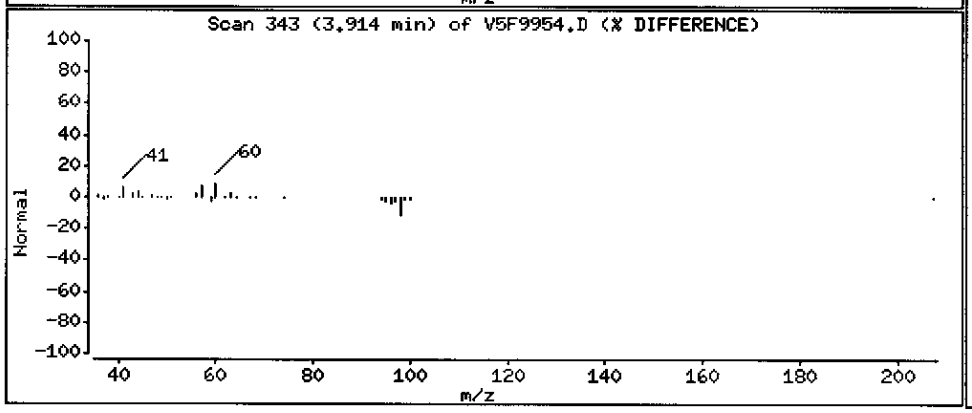












Data File: \\AVOCADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

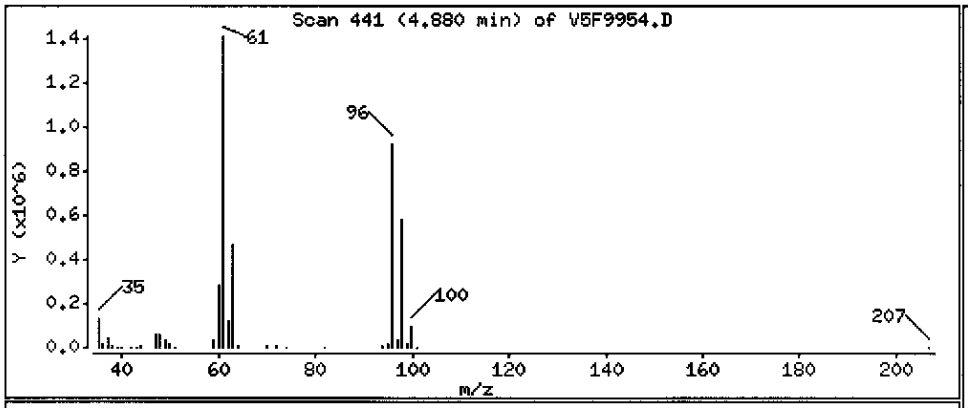
Client ID: B-330 Instrument: v5.i

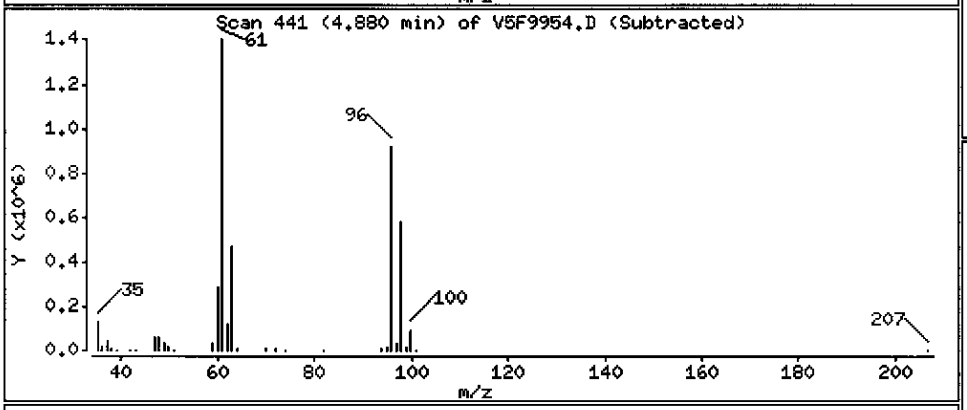
Sample Info: ,D0529-02A,,18114

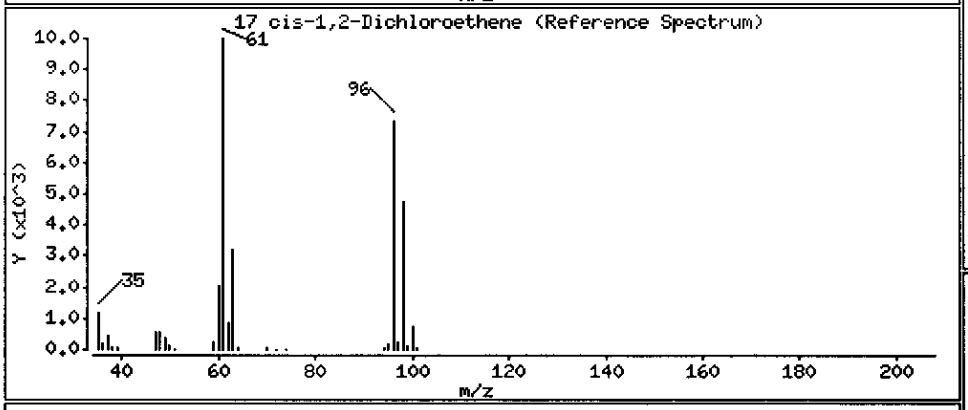
Operator: JC SRC: LIMS

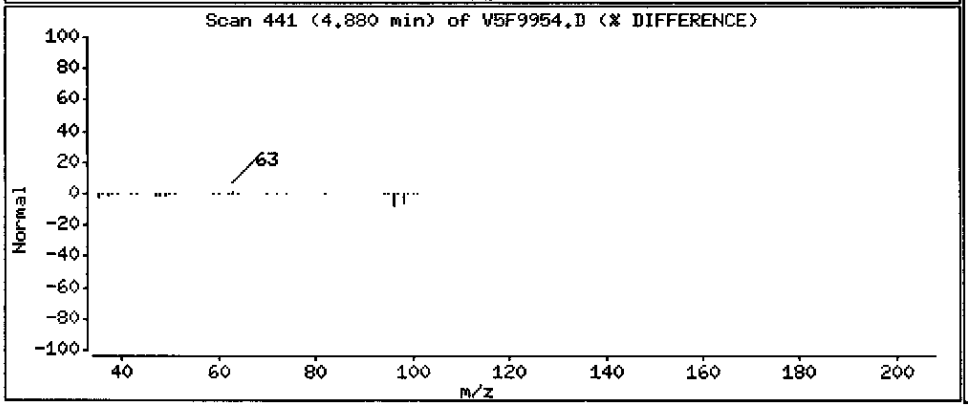
Column phase: DB-624 Column diameter: 0.25

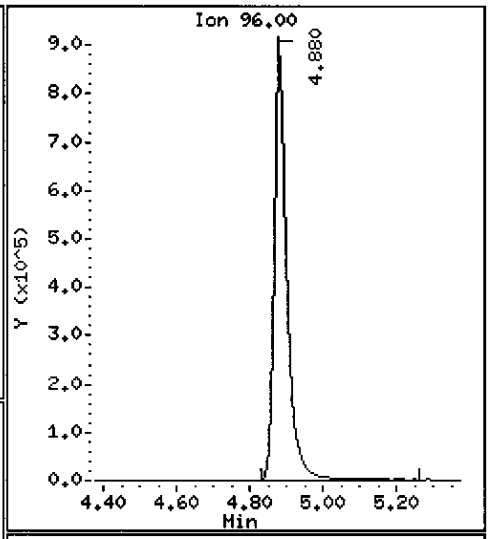
17 cis-1,2-Dichloroethene Concentration: 1100 ug/Kg

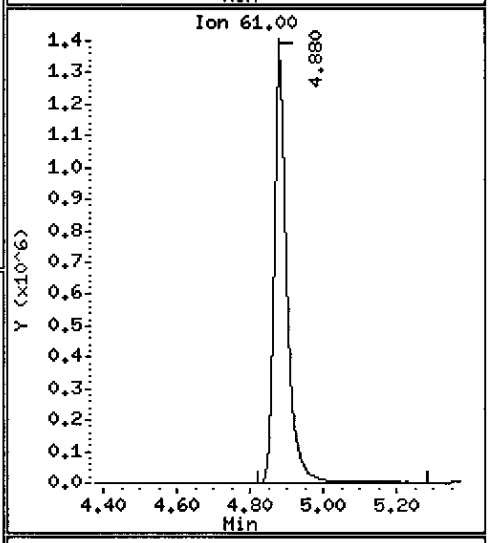


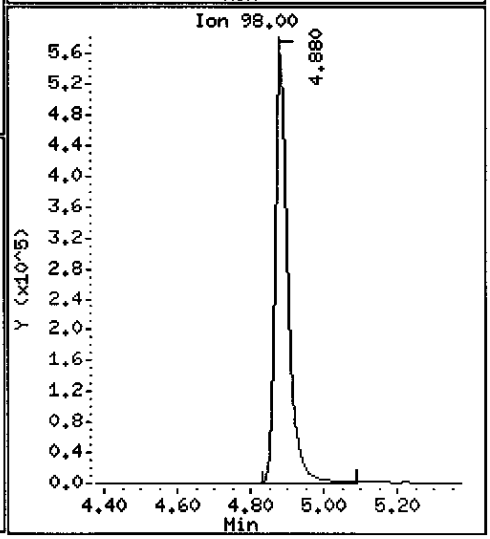












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

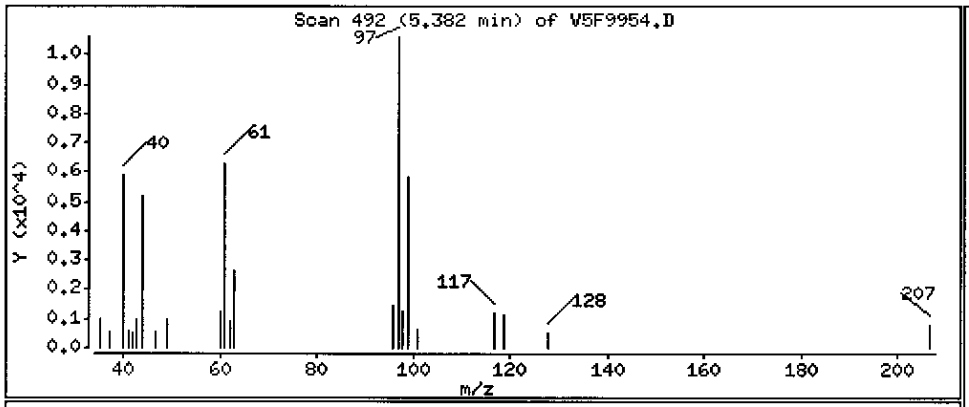
Client ID: B-330 **Instrument:** v5.i

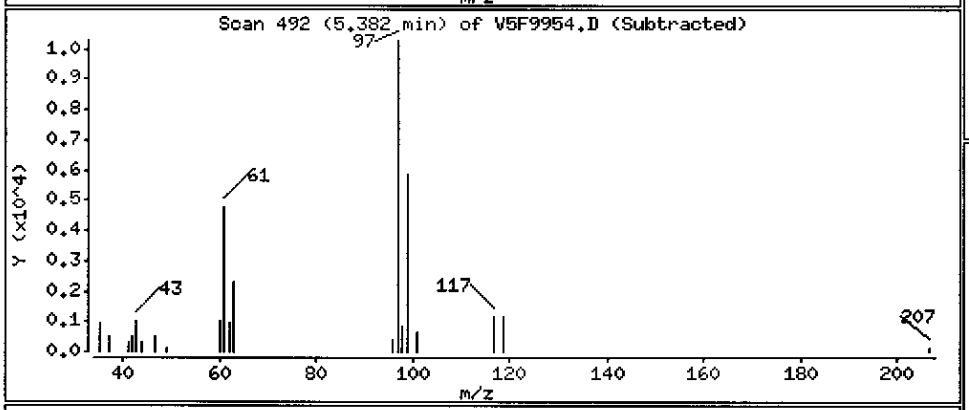
Sample Info: ,D0529-02A,,18114

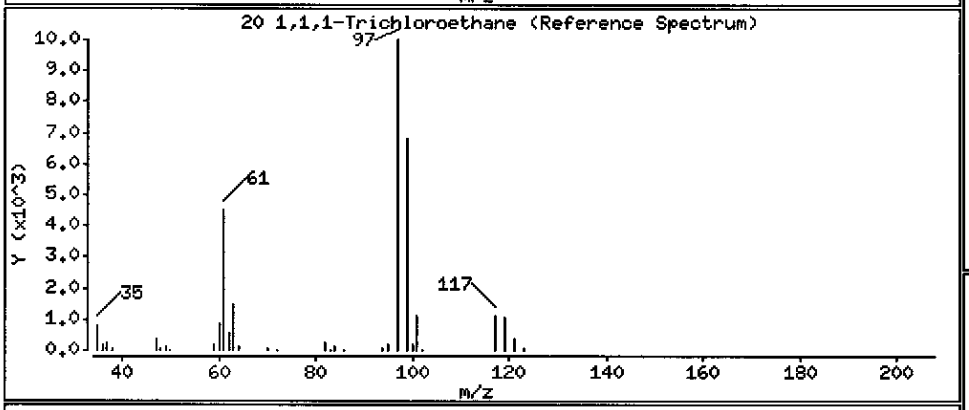
Operator: JC **SRC:** LIMS

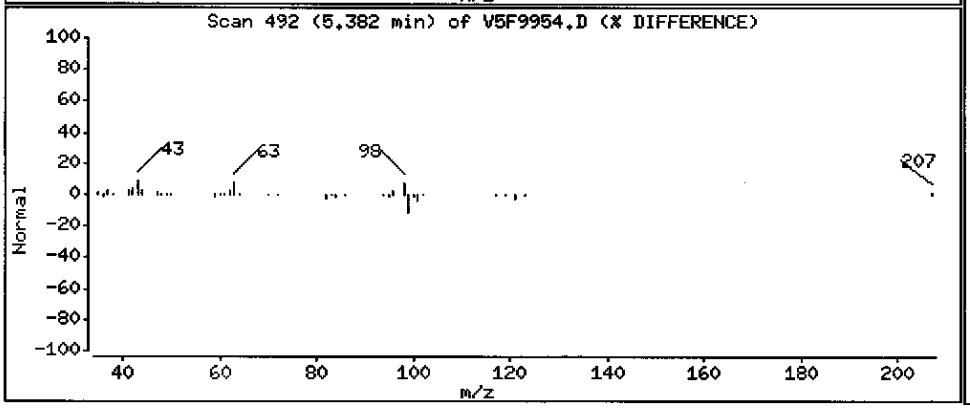
Column phase: DB-624 **Column diameter:** 0.25

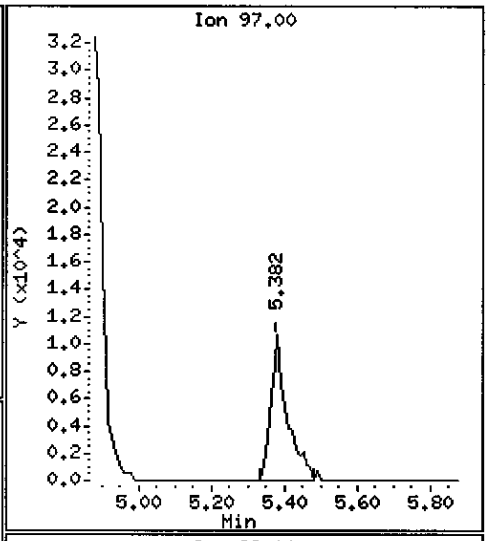
20 1,1,1-Trichloroethane **Concentration:** 14 ug/Kg

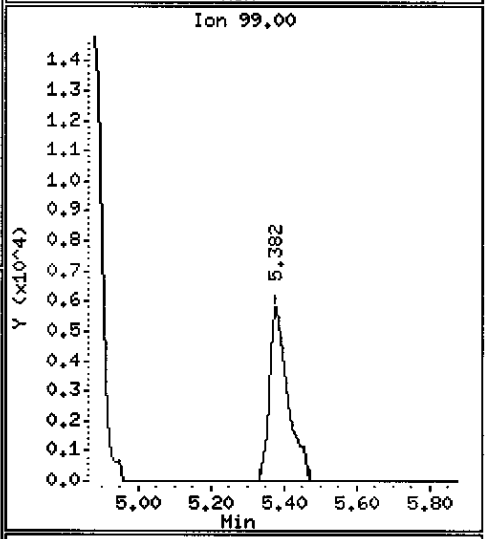


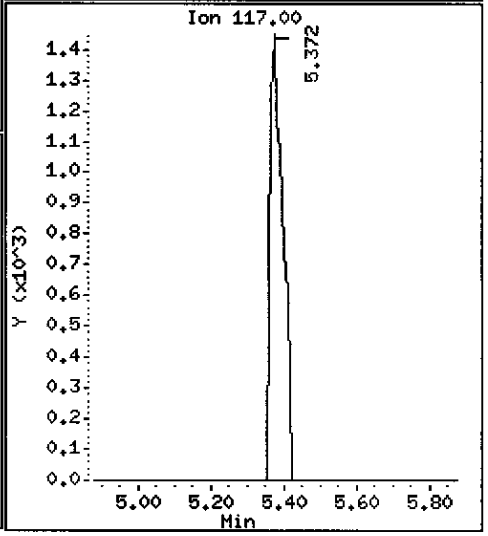












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

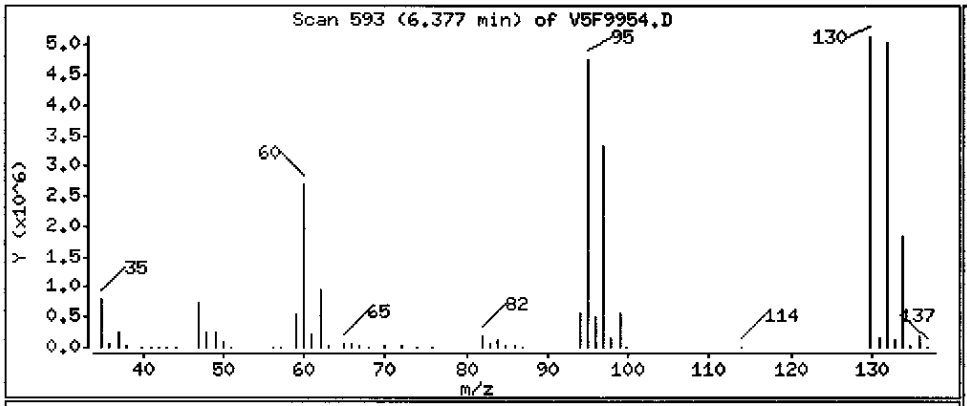
Client ID: B-330 Instrument: v5.i

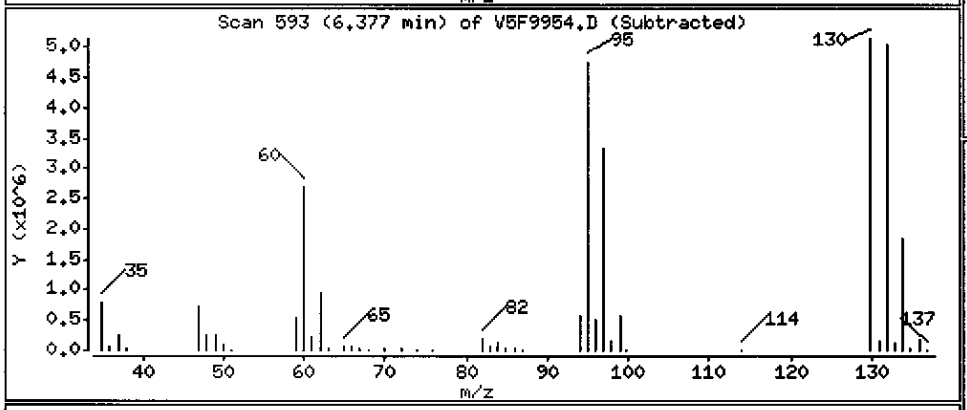
Sample Info: ,D0529-02A,,18114

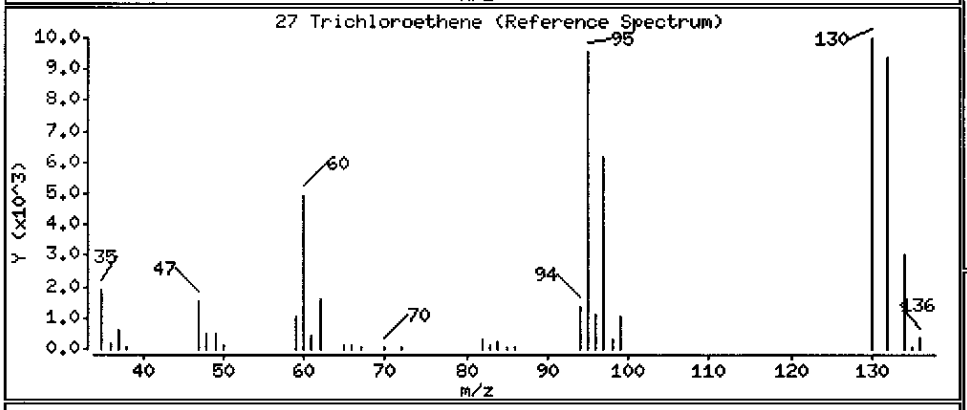
Operator: JC SRC: LIMS

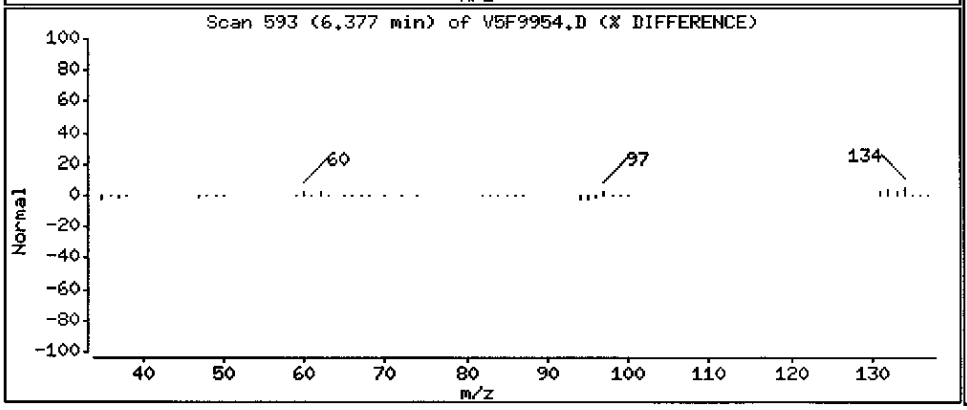
Column phase: DB-624 Column diameter: 0.25

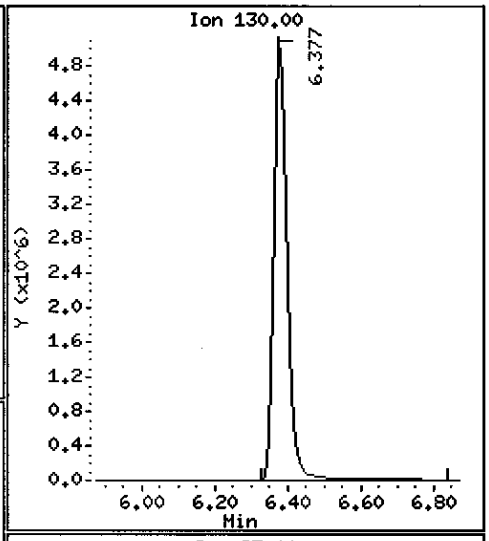
27 Trichloroethene Concentration: 6500 ug/Kg

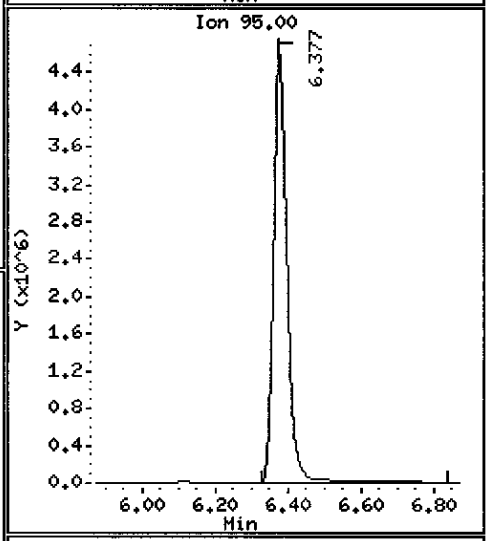


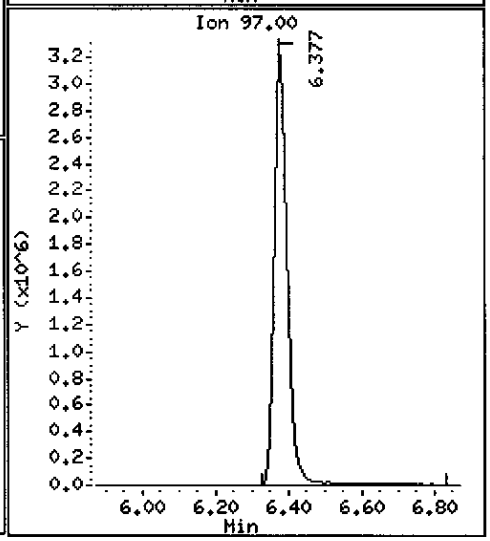












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

Client ID: B-330

Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

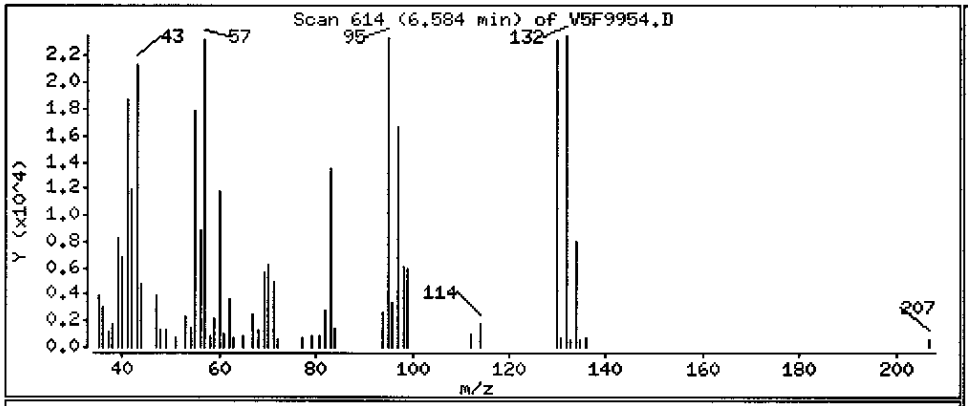
Column phase: DB-624

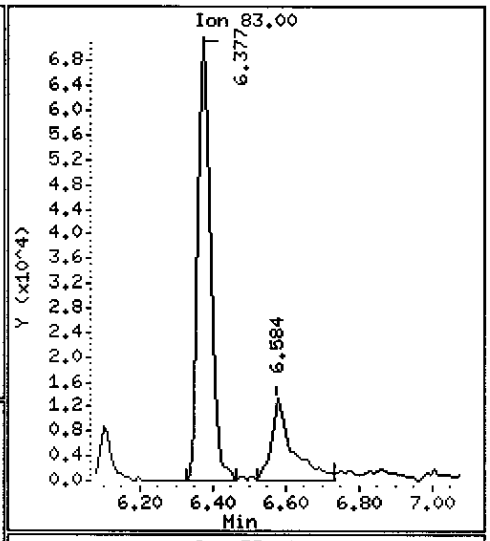
Column diameter: 0.25

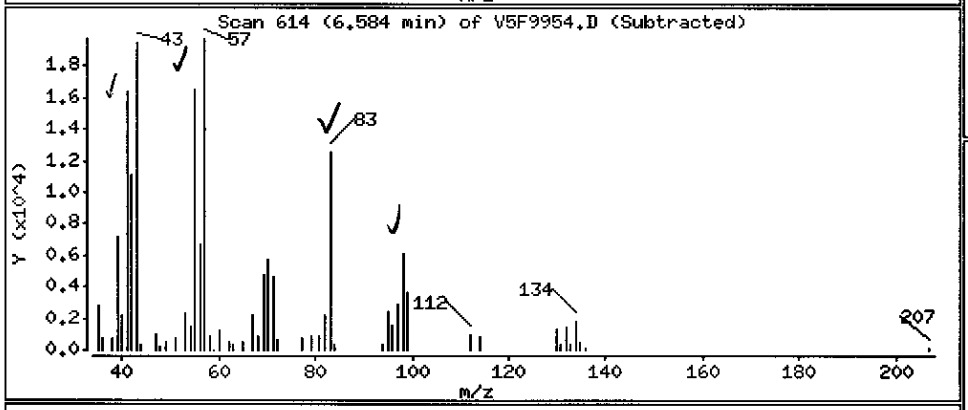
28 Methylcyclohexane

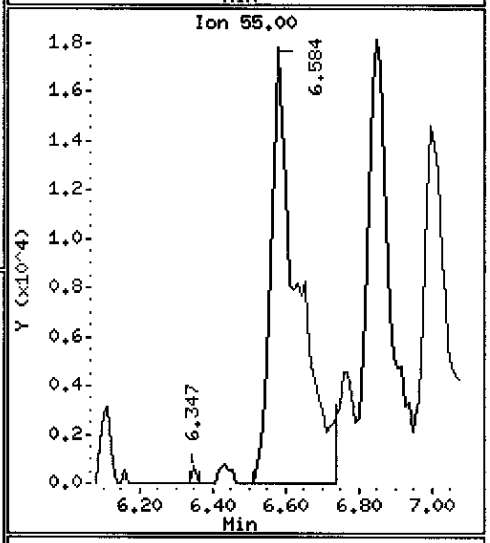
Concentration: 17 ug/Kg

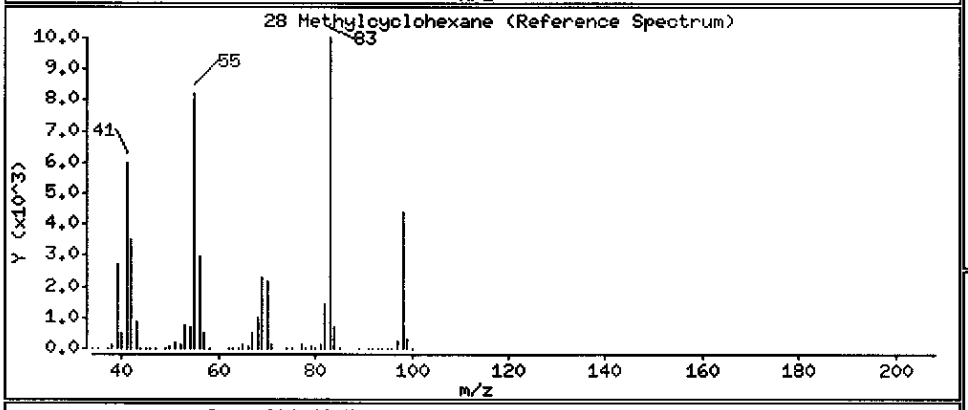
TCE & alkane coelution present SBL 5/27/05

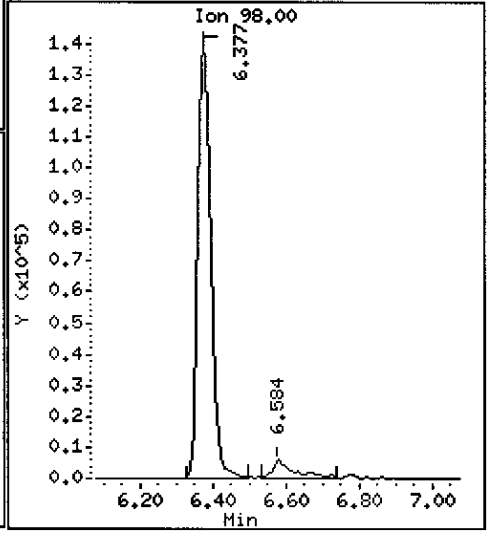


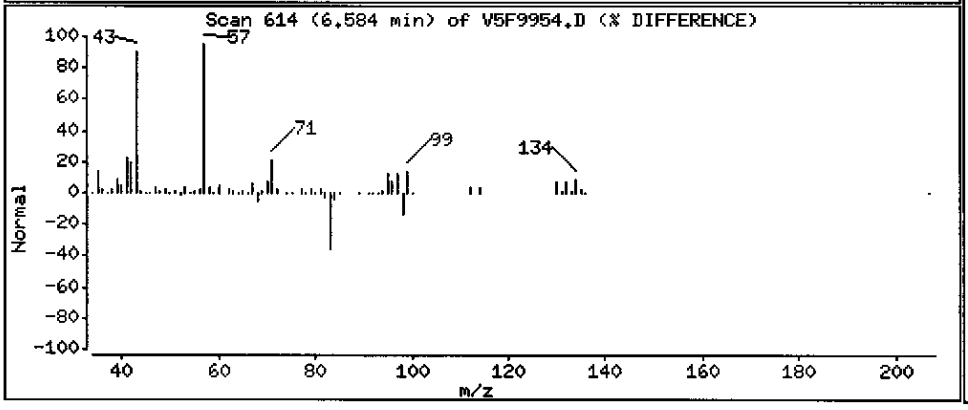












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

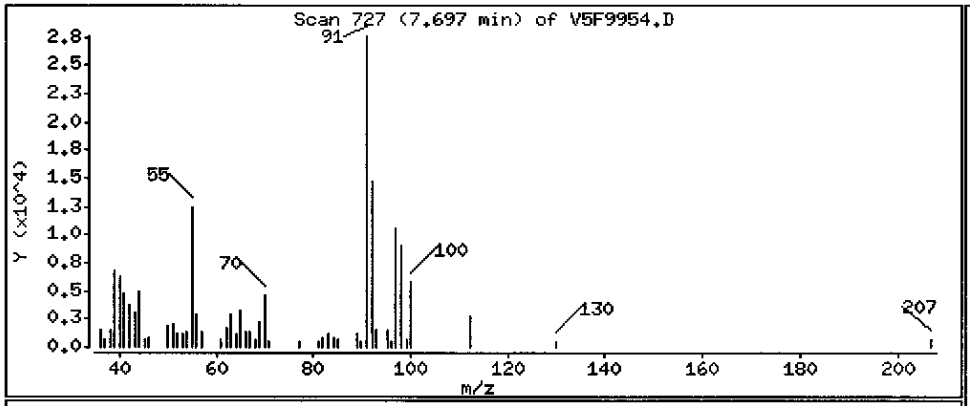
Client ID: B-330 Instrument: v5.i

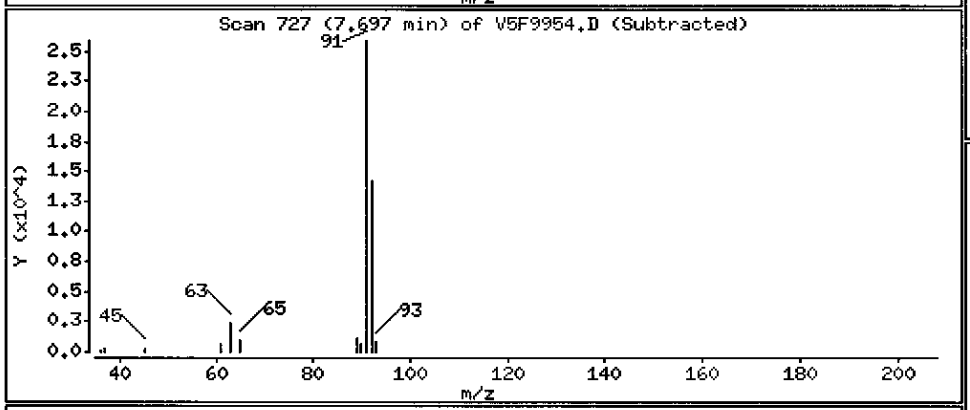
Sample Info: ,D0529-02A,,18114

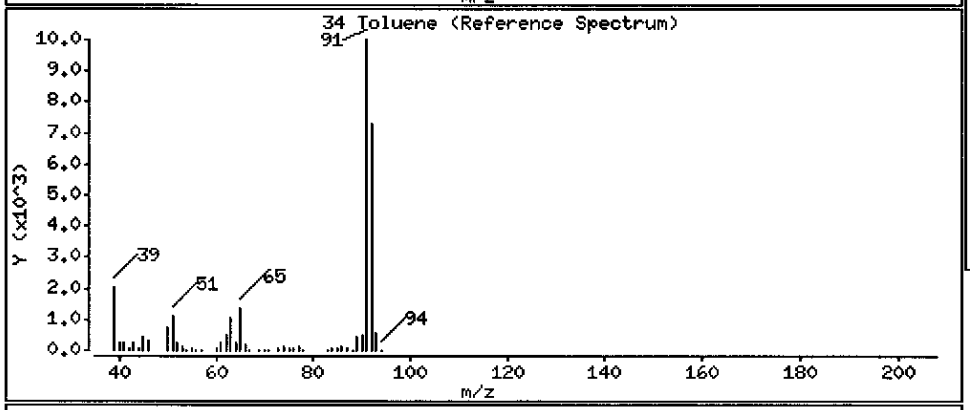
Operator: JC SRC: LIMS

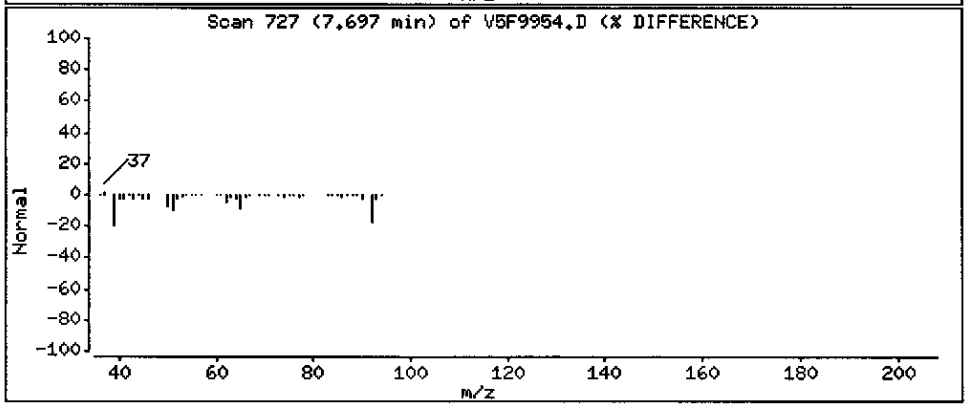
Column phase: DB-624 Column diameter: 0.25

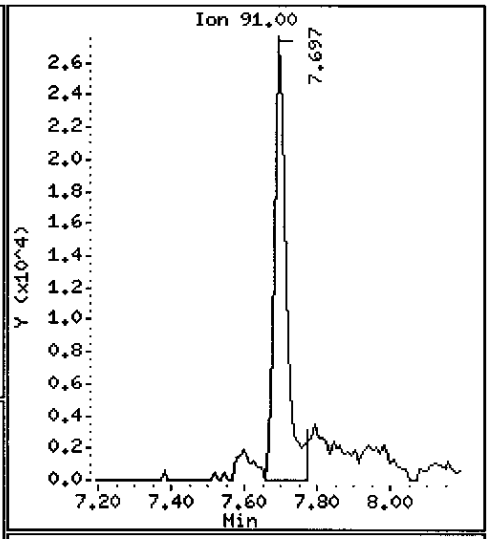
34 Toluene Concentration: 8 ug/Kg

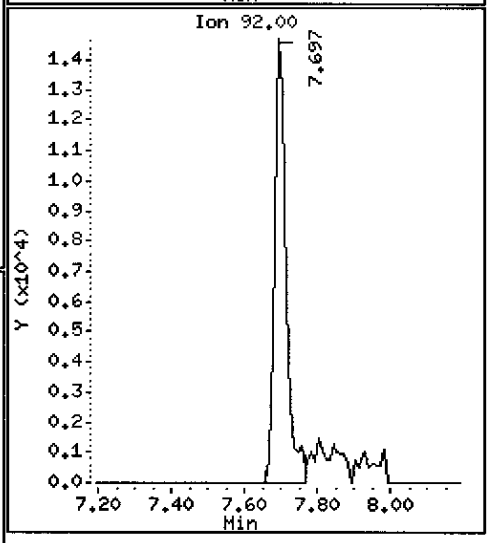












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

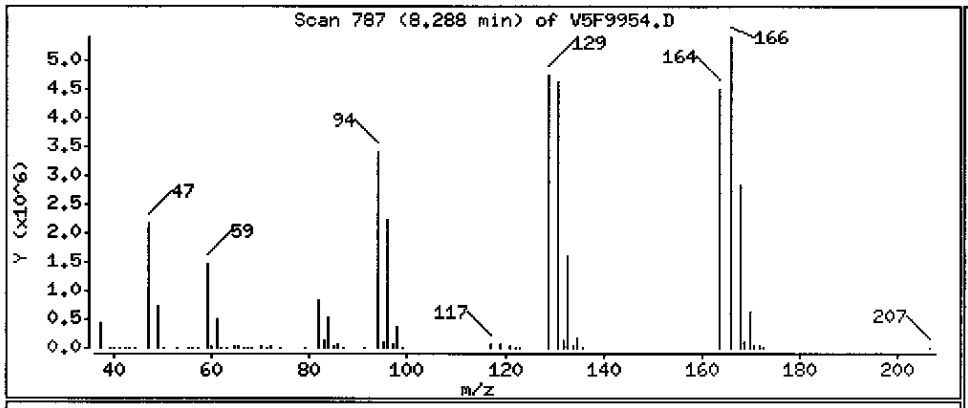
Client ID: B-330 Instrument: v5.i

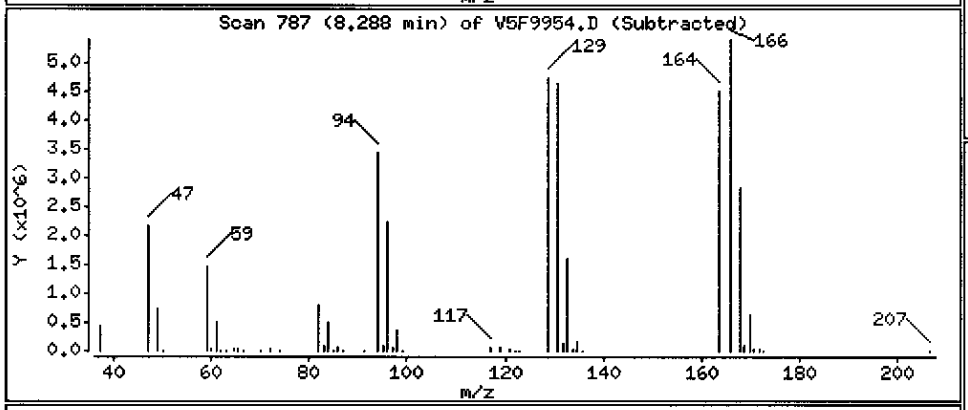
Sample Info: ,D0529-02A,,18114

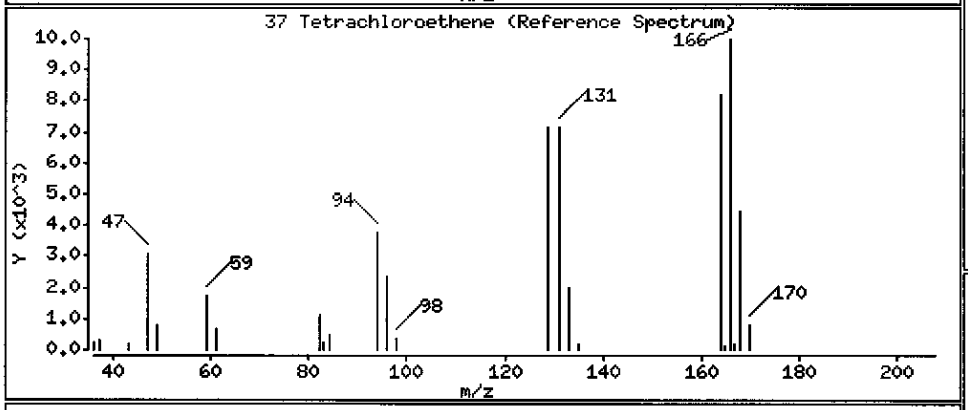
Operator: JC SRC: LIMS

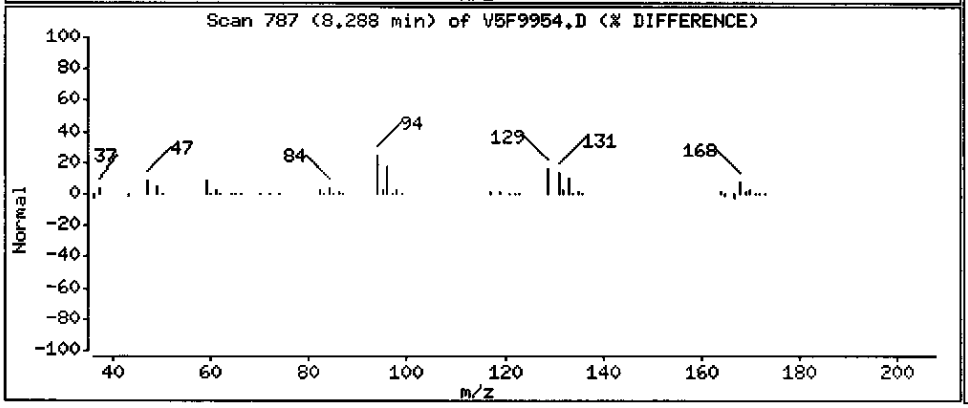
Column phase: DB-624 Column diameter: 0.25

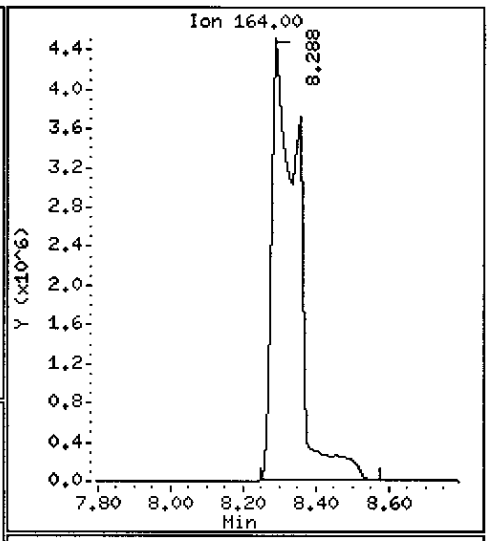
37 Tetrachloroethene Concentration: 12000 ug/Kg

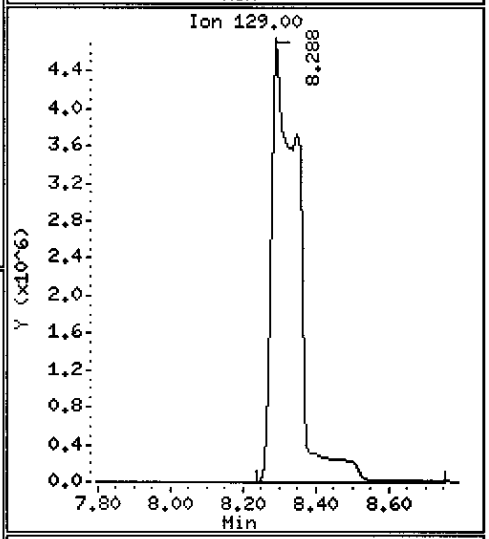


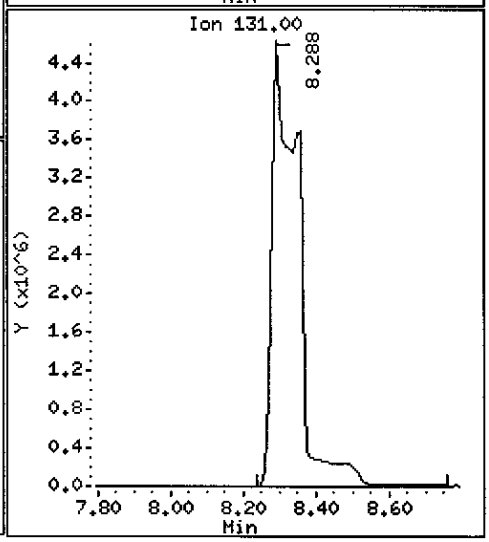












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

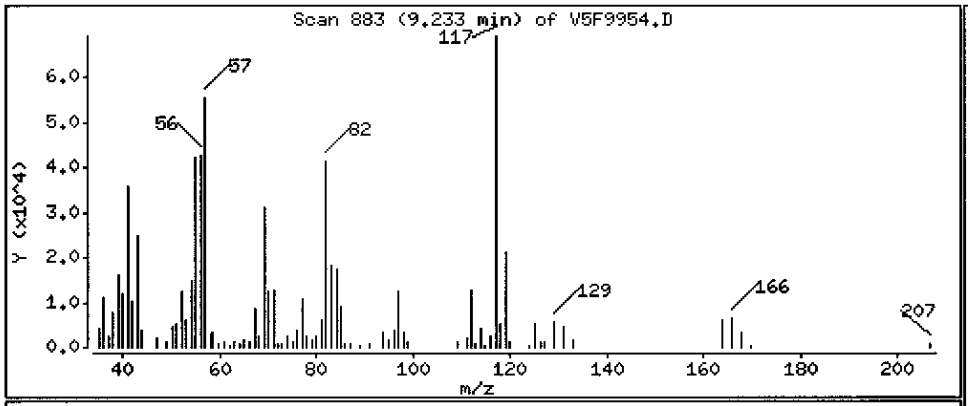
Client ID: B-330 Instrument: v5.i

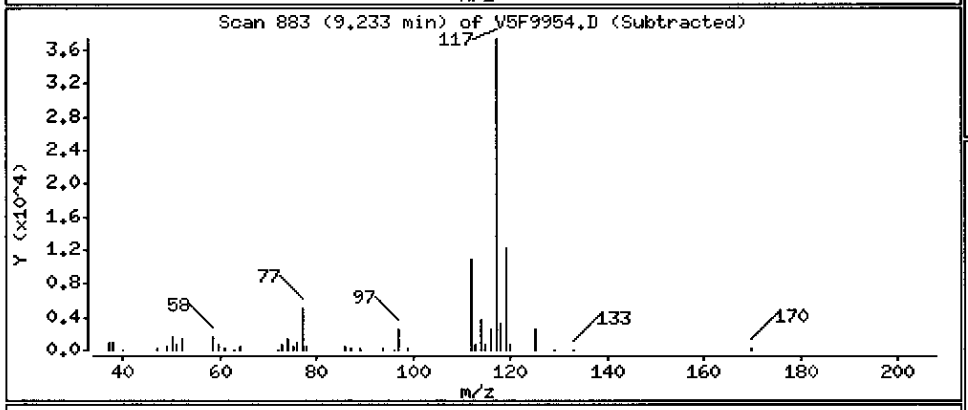
Sample Info: ,D0529-02A,,18114

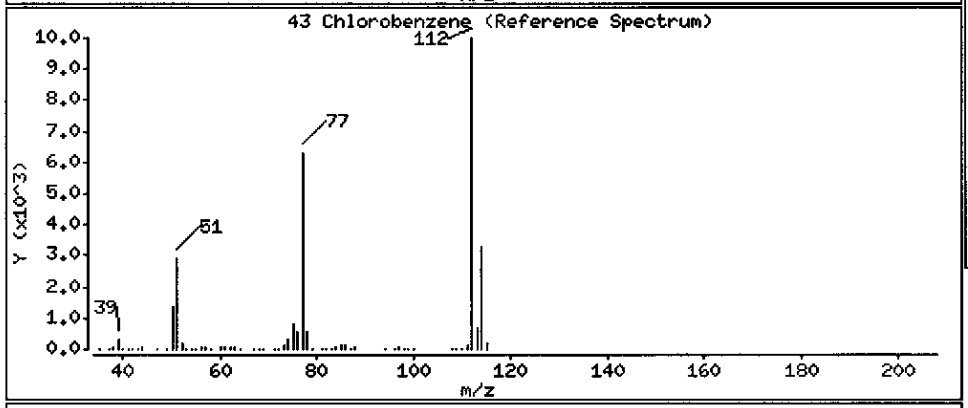
Operator: JC SRC: LIMS

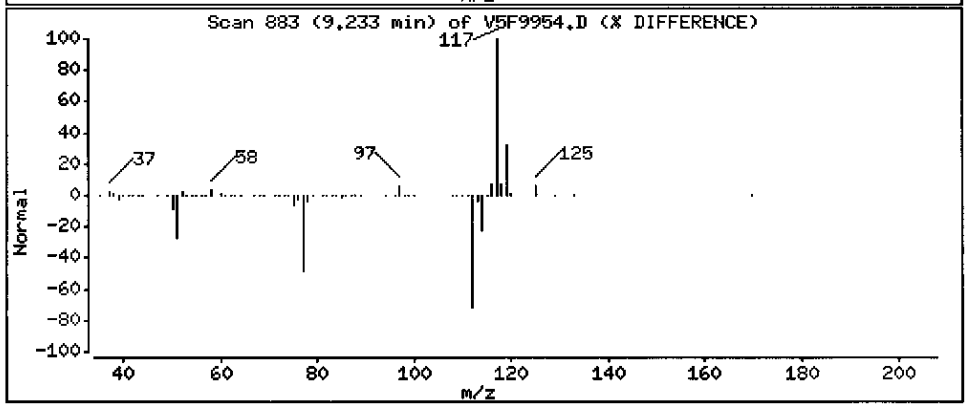
Column phase: DB-624 Column diameter: 0.25

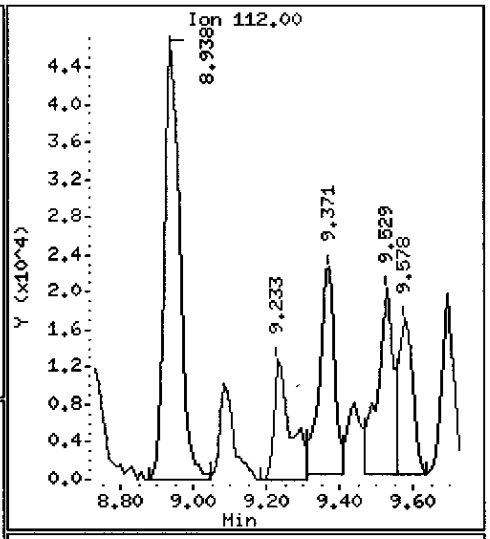
43 Chlorobenzene Concentration: 8 ug/Kg

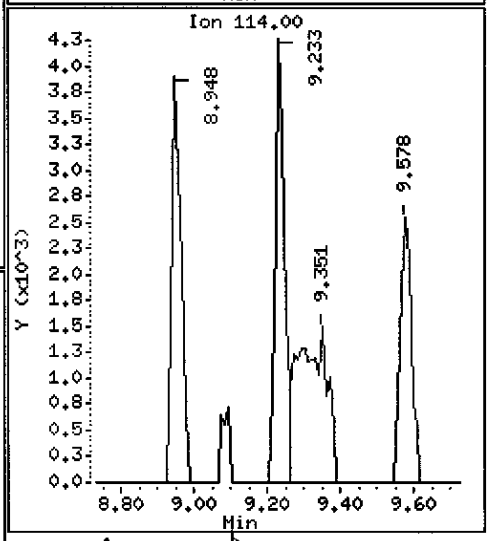












m/e 117
ds-chloro
coelution
8C57&65

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

Client ID: B-330

Instrument: v5.i

Sample Info: ,D0529-02A,,18114

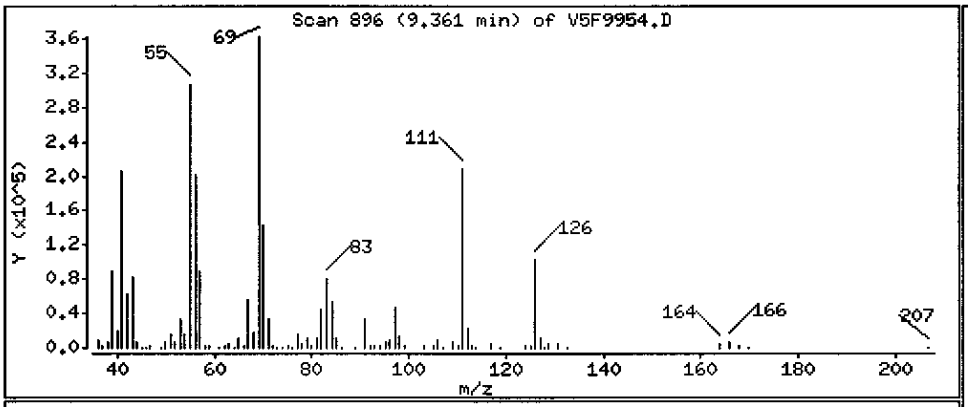
Operator: JC SRC: LIMS

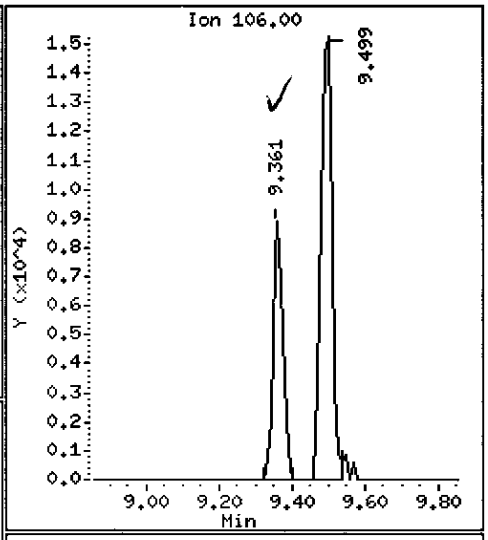
Column phase: DB-624

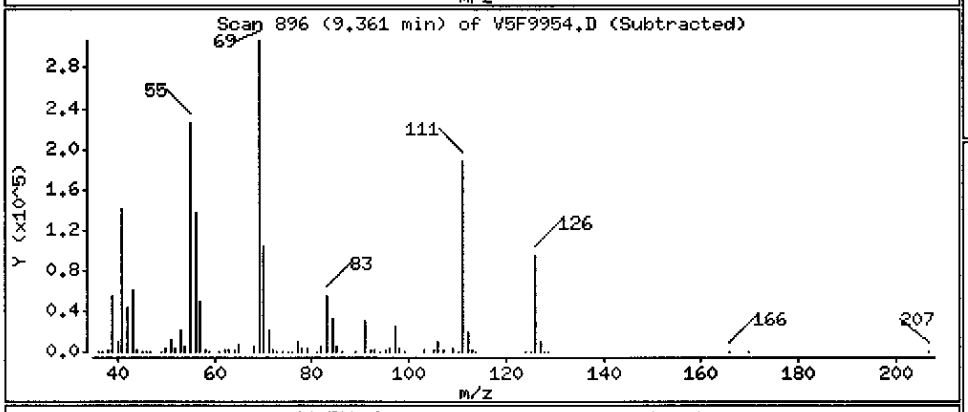
Column diameter: 0.25

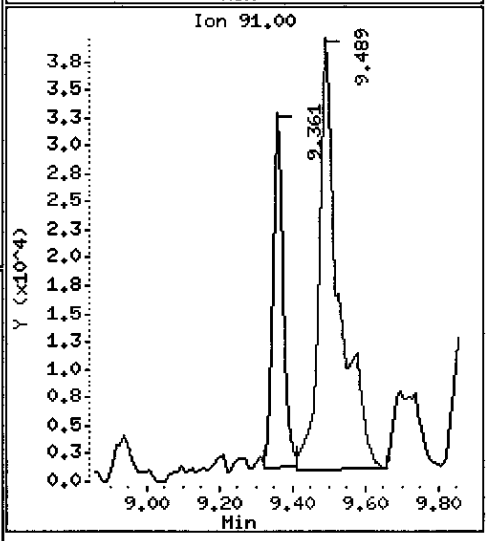
44 Ethylbenzene

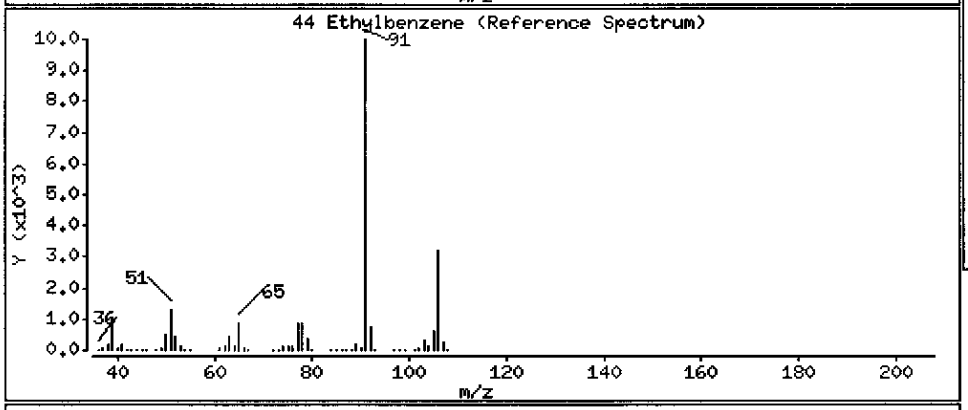
Concentration: 6 ug/Kg

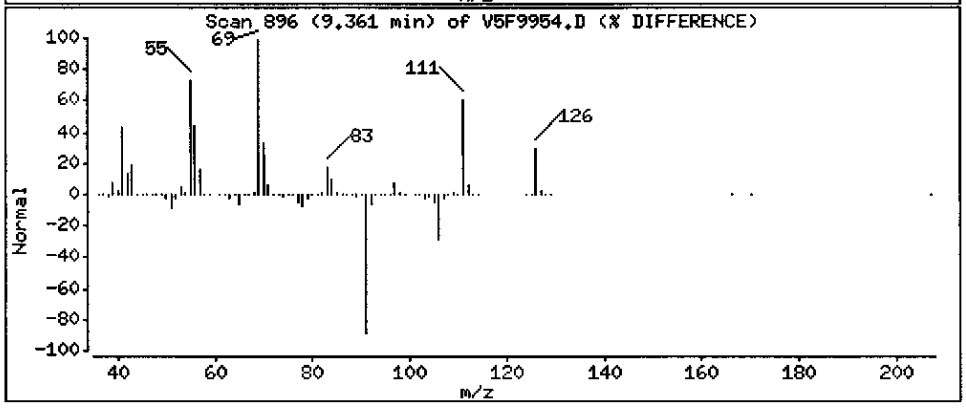












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

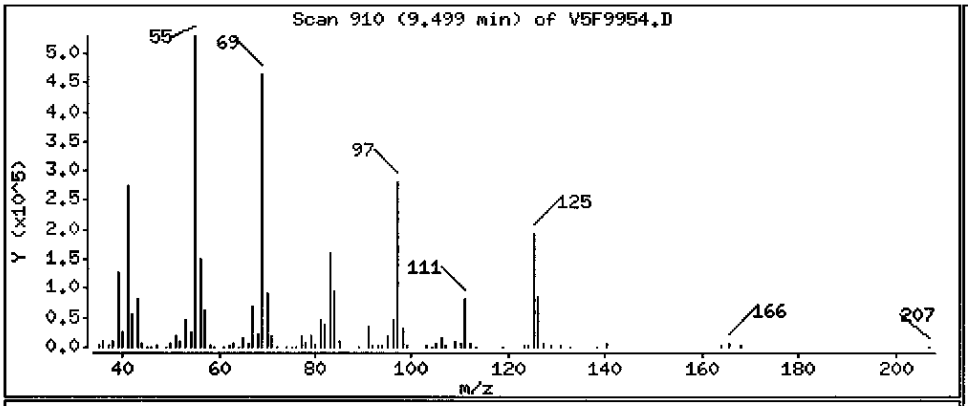
Client ID: B-330 Instrument: v5.i

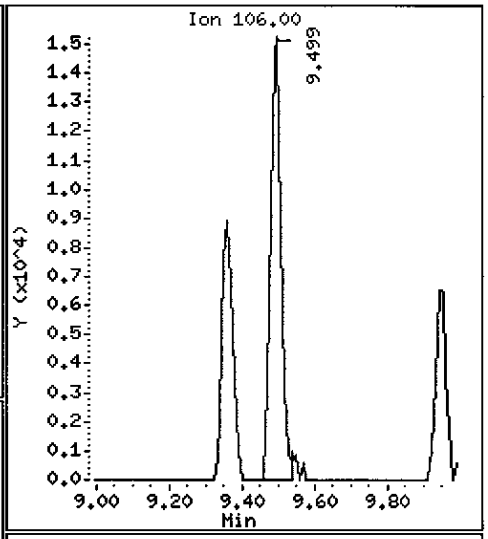
Sample Info: ,D0529-02A,,18114

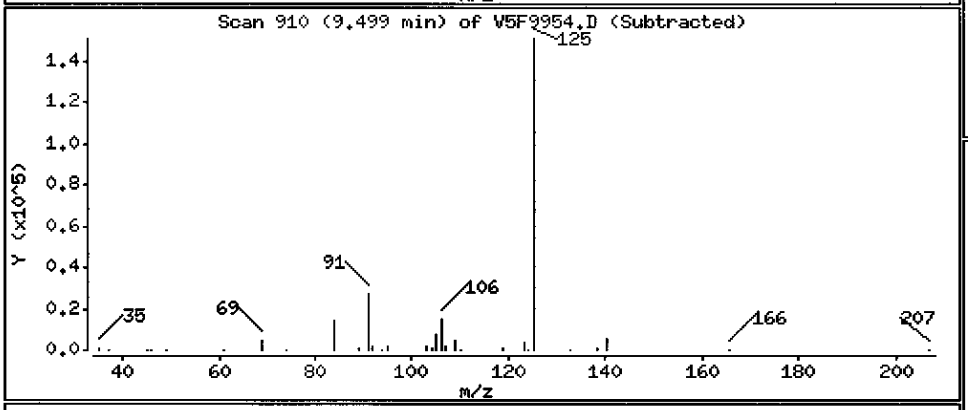
Operator: JC SRC: LIMS

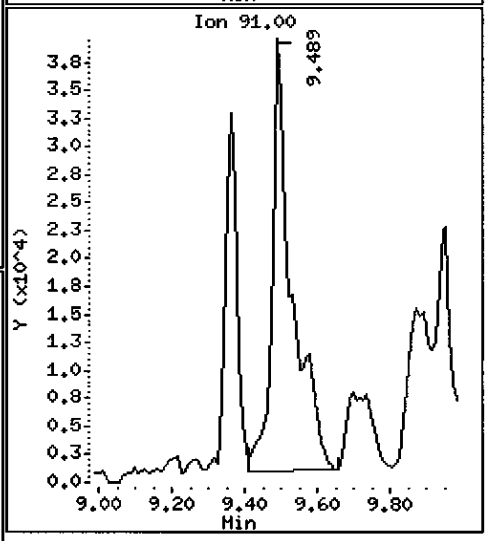
Column phase: DB-624 Column diameter: 0.25

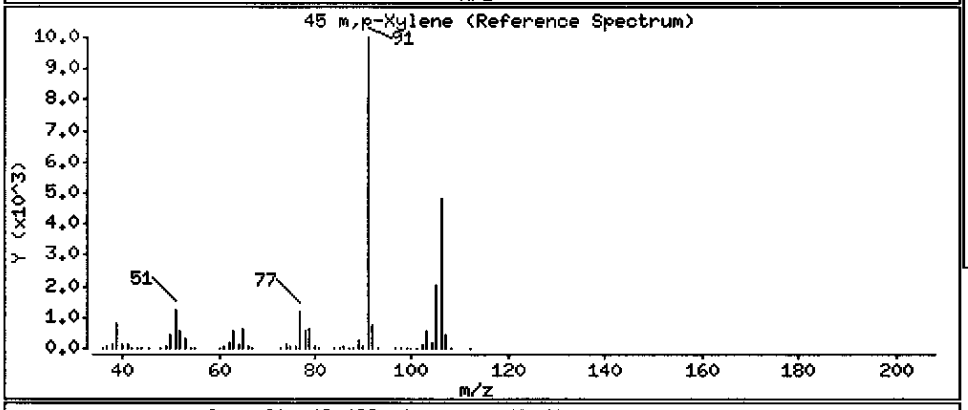
45 m,p-Xylene Concentration: 10 ug/Kg

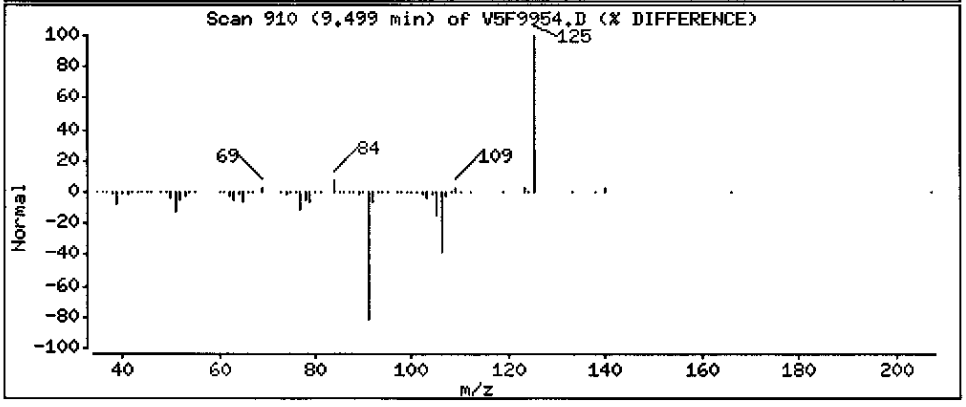












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

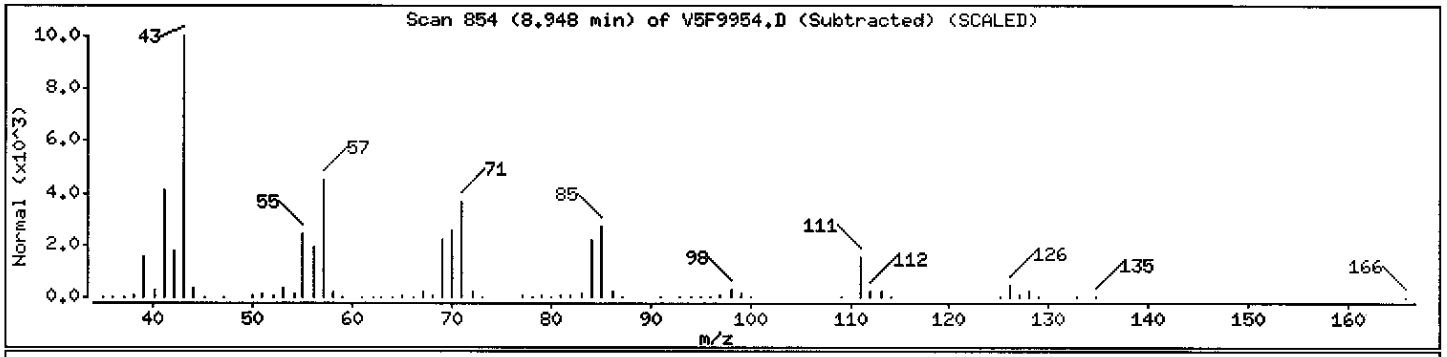
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

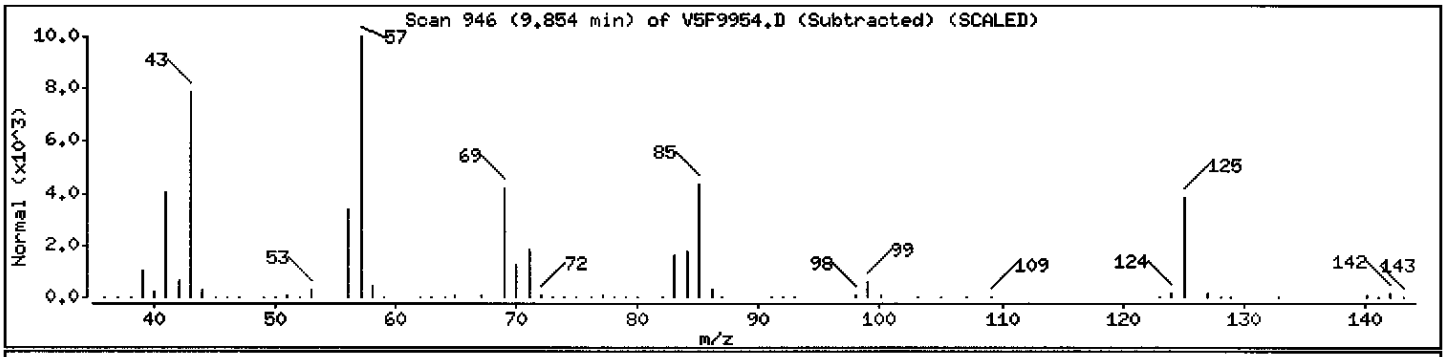
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

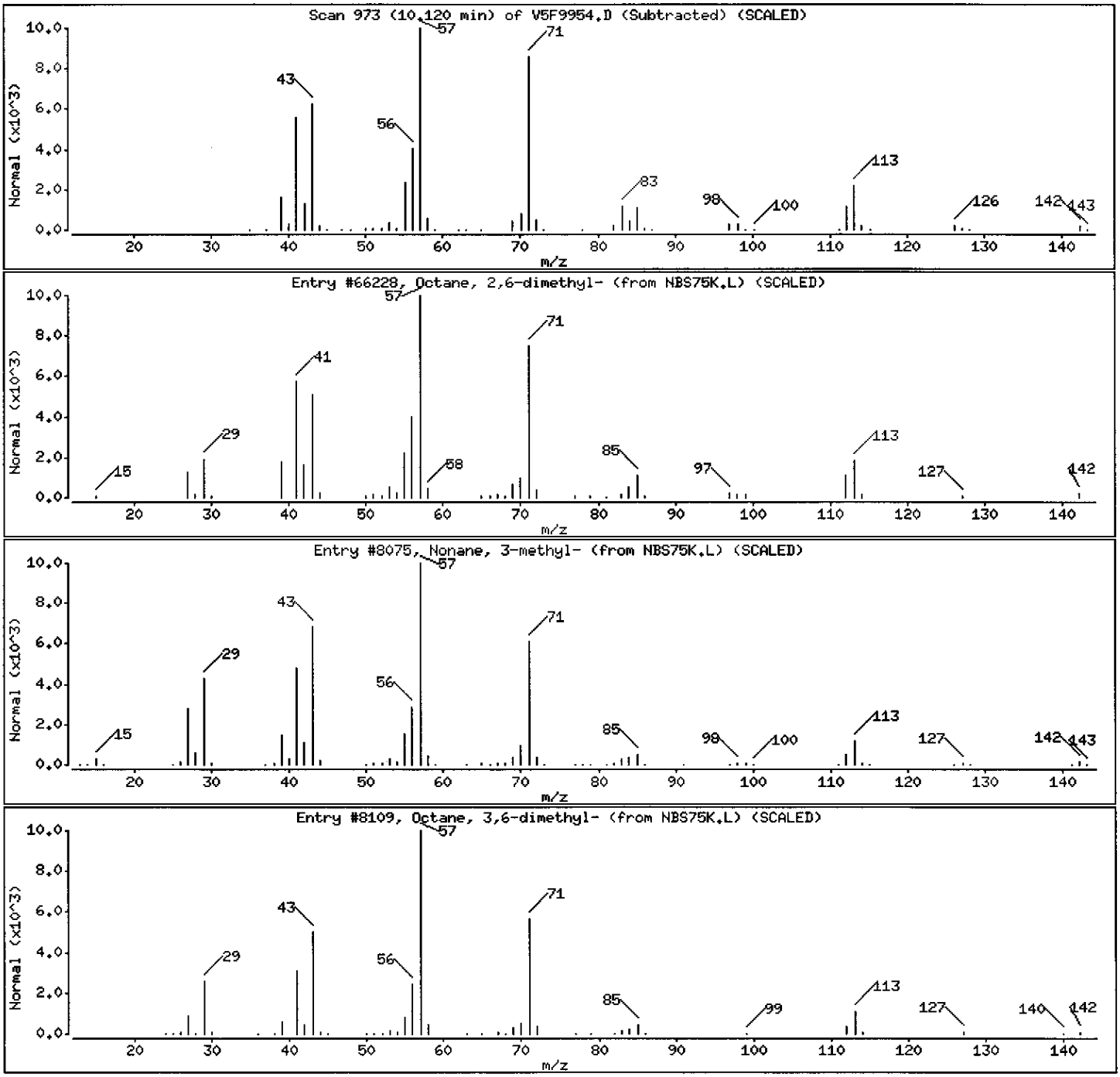
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Branched Alkane						
Octane, 2,6-dimethyl-	2051-30-1	NBS75K.L	66228	90	C10H22	142
Nonane, 3-methyl-	5911-04-6	NBS75K.L	8075	87	C10H22	142
Octane, 3,6-dimethyl-	15869-94-0	NBS75K.L	8109	74	C10H22	142



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

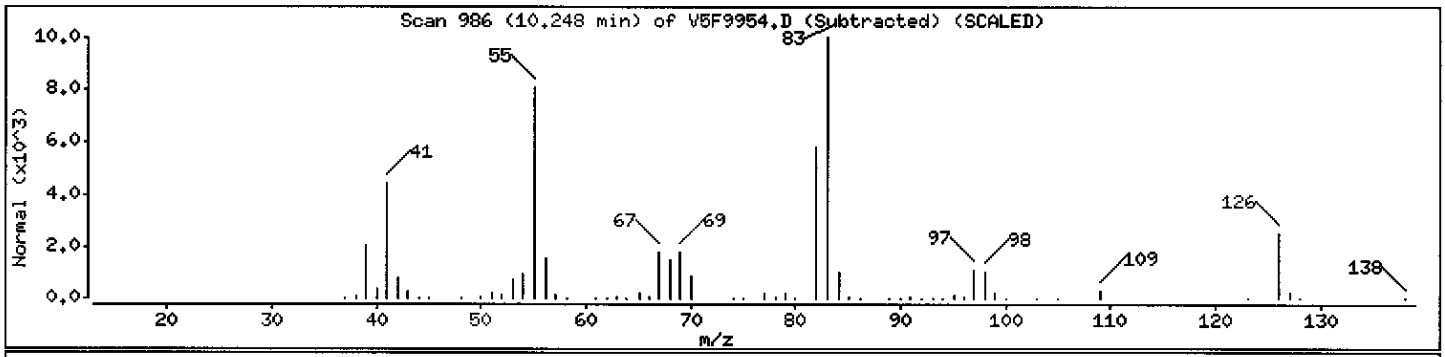
Client ID: B-330 Instrument: v5.i

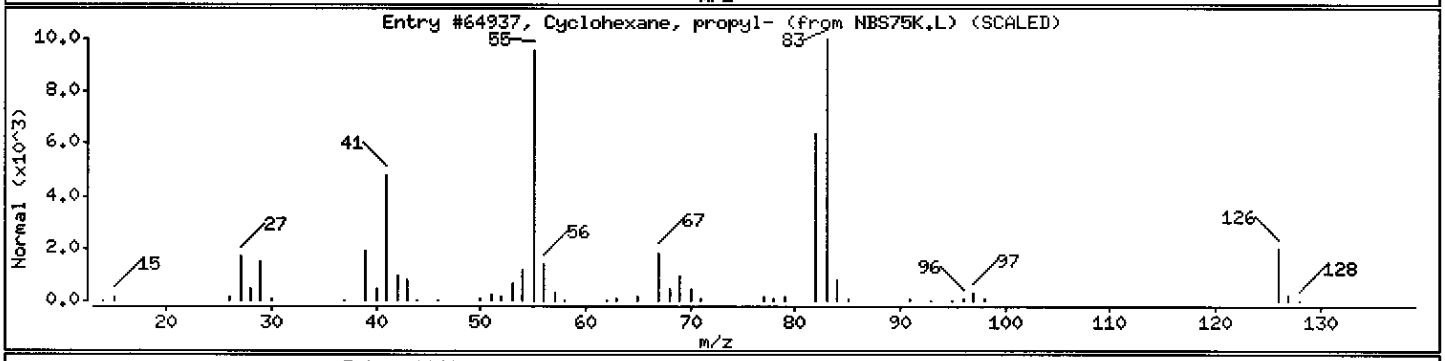
Sample Info: ,D0529-02A,,18114

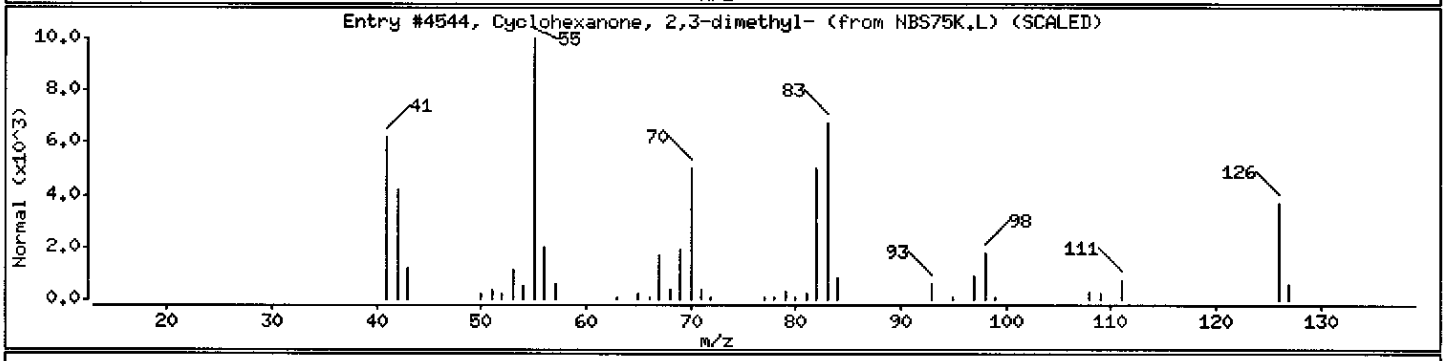
Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclic Alkane						
Cyclohexane, propyl-	1678-92-8	NBS75K.L	64937	90	C9H18	126
Cyclohexanone, 2,3-dimethyl-	13395-76-1	NBS75K.L	4544	86	C8H140	126







Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

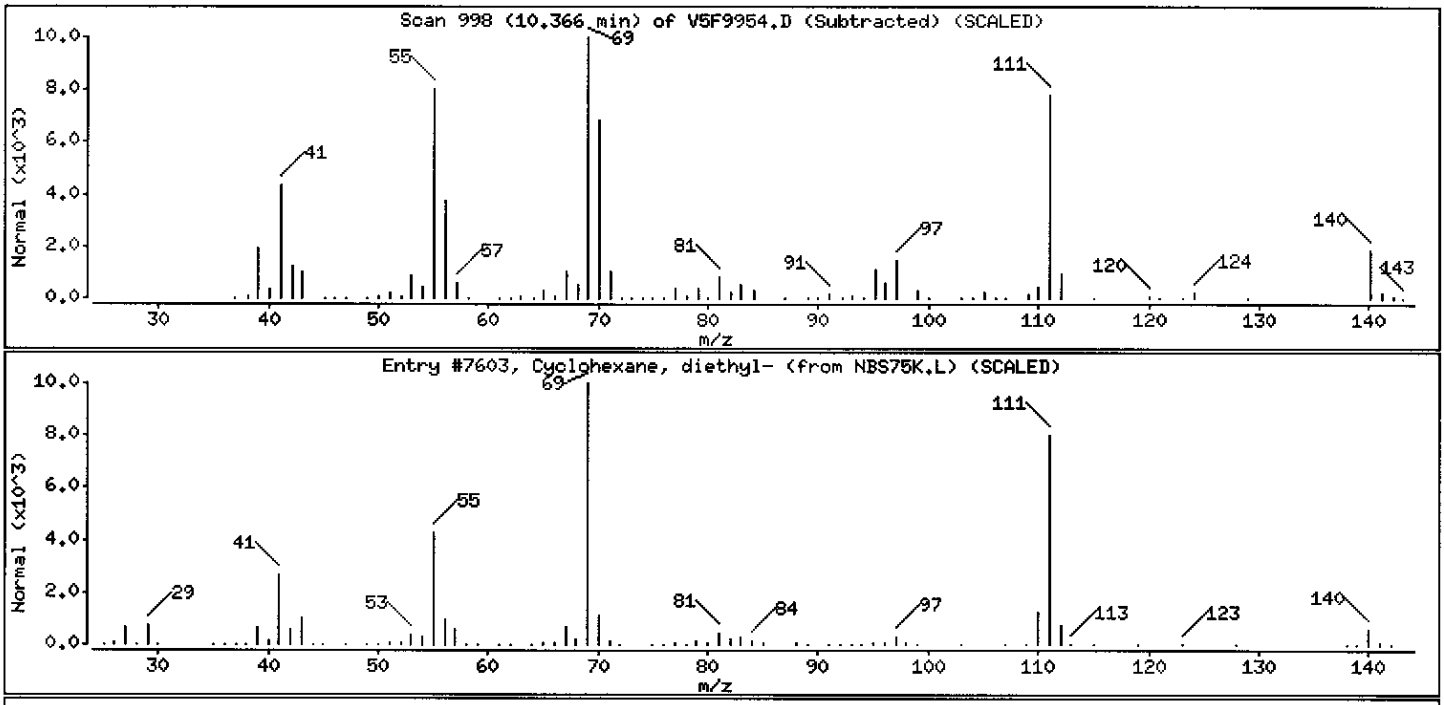
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, diethyl-	1331-43-7	NBS75K.L	7603	68	C10H20	140



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

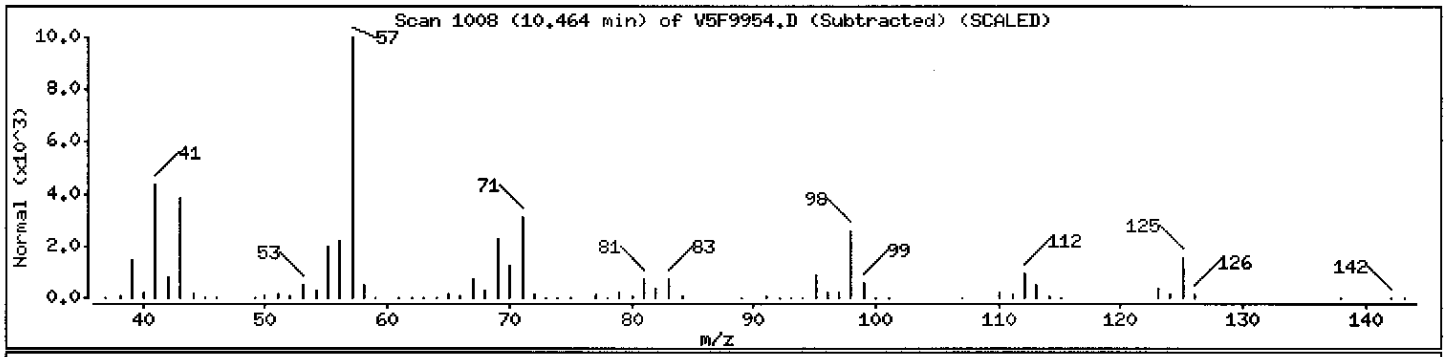
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

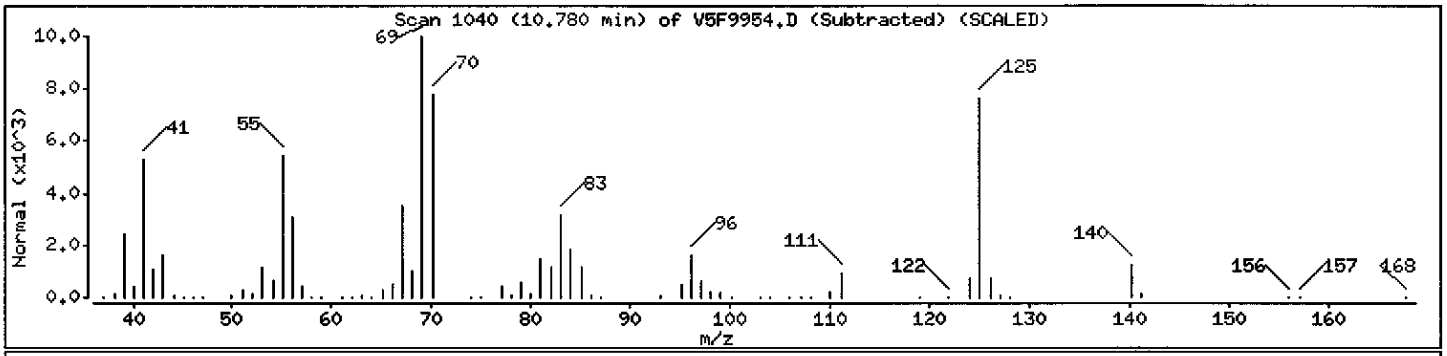
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

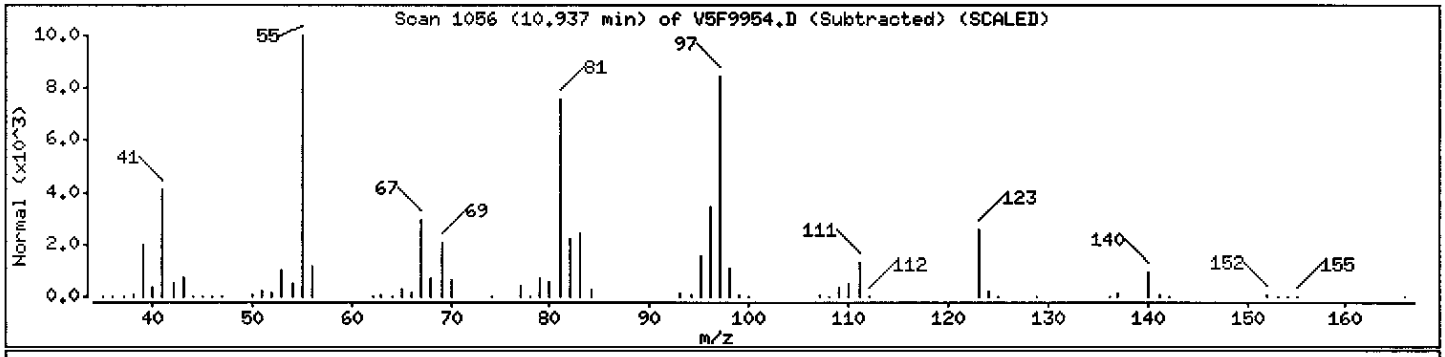
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
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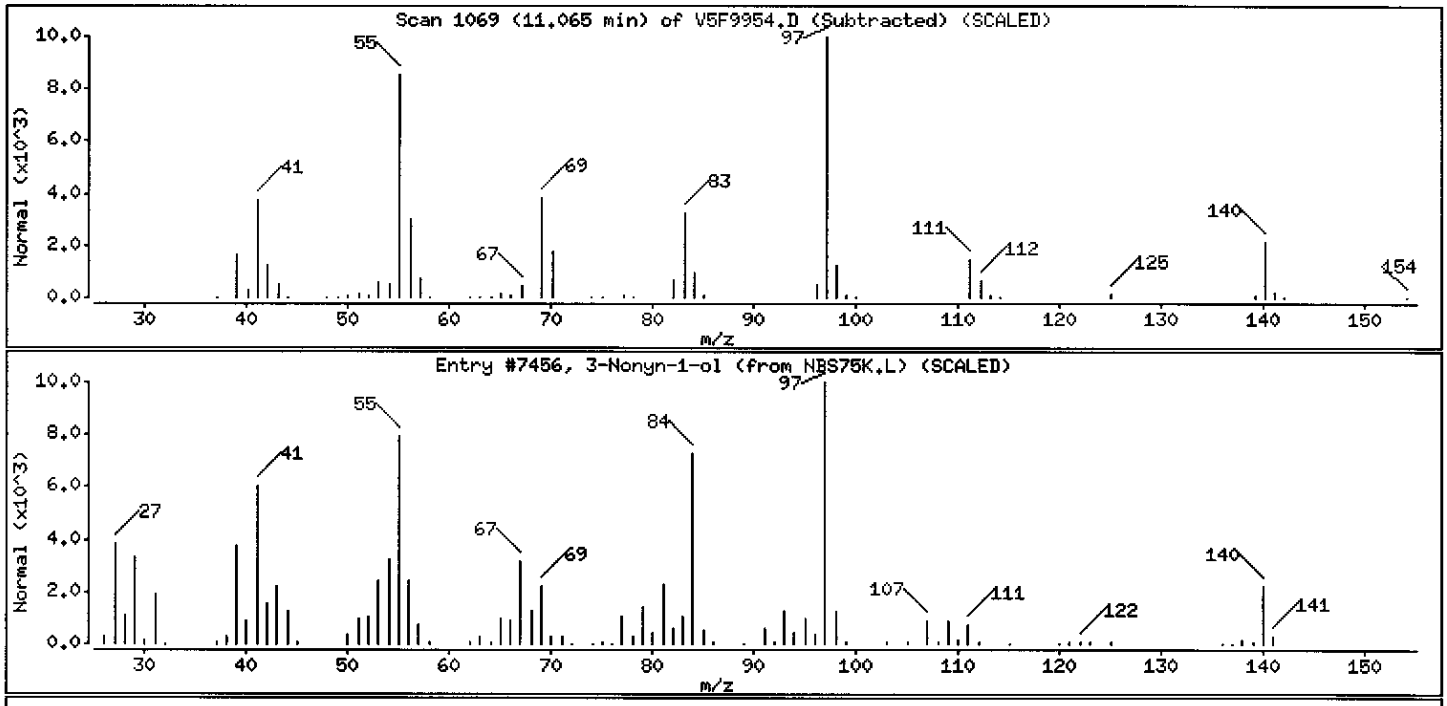

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Date : 13-MAY-2005 17:24

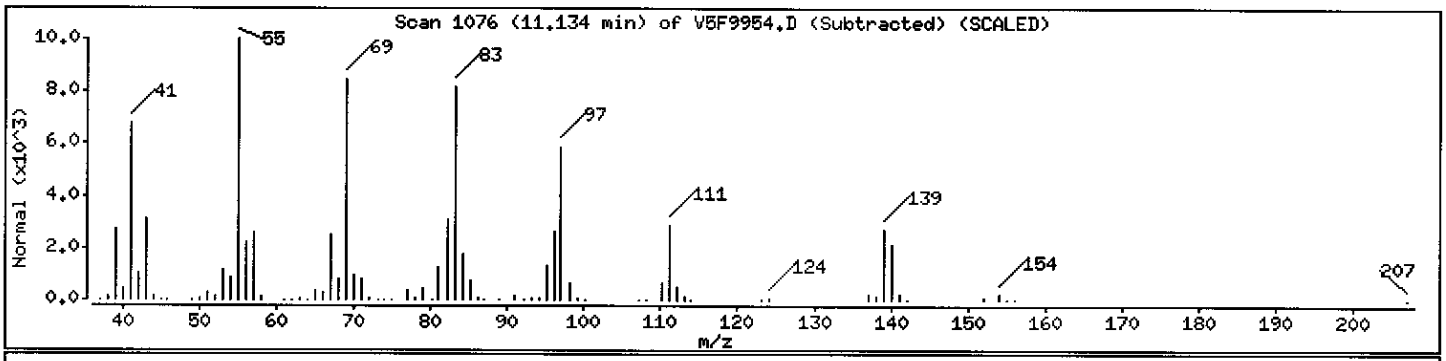
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 13-MAY-2005 17:24

Client ID: B-330

Instrument: v5.i

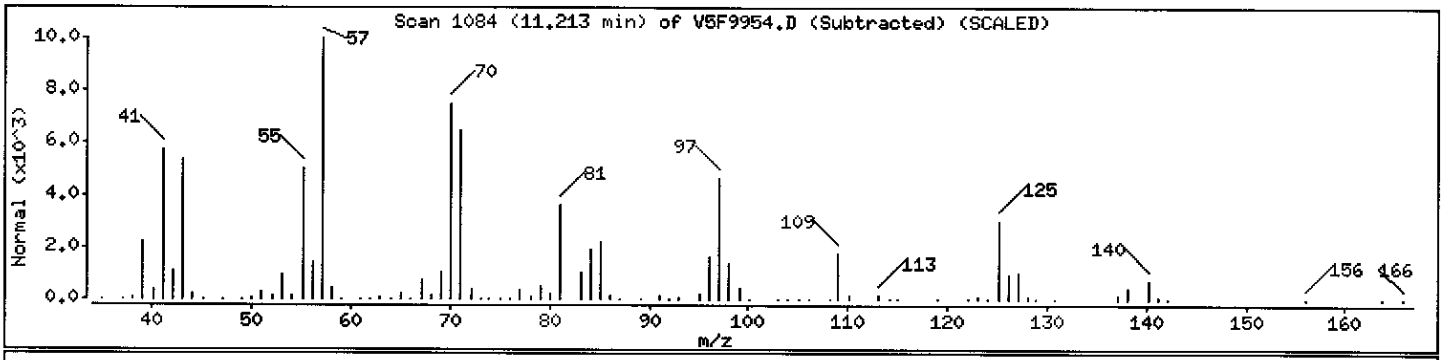
Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

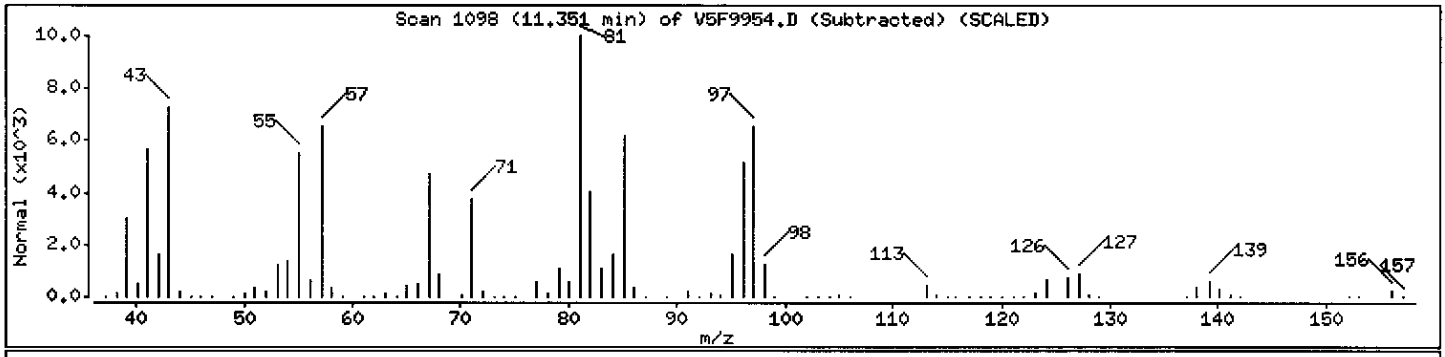
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

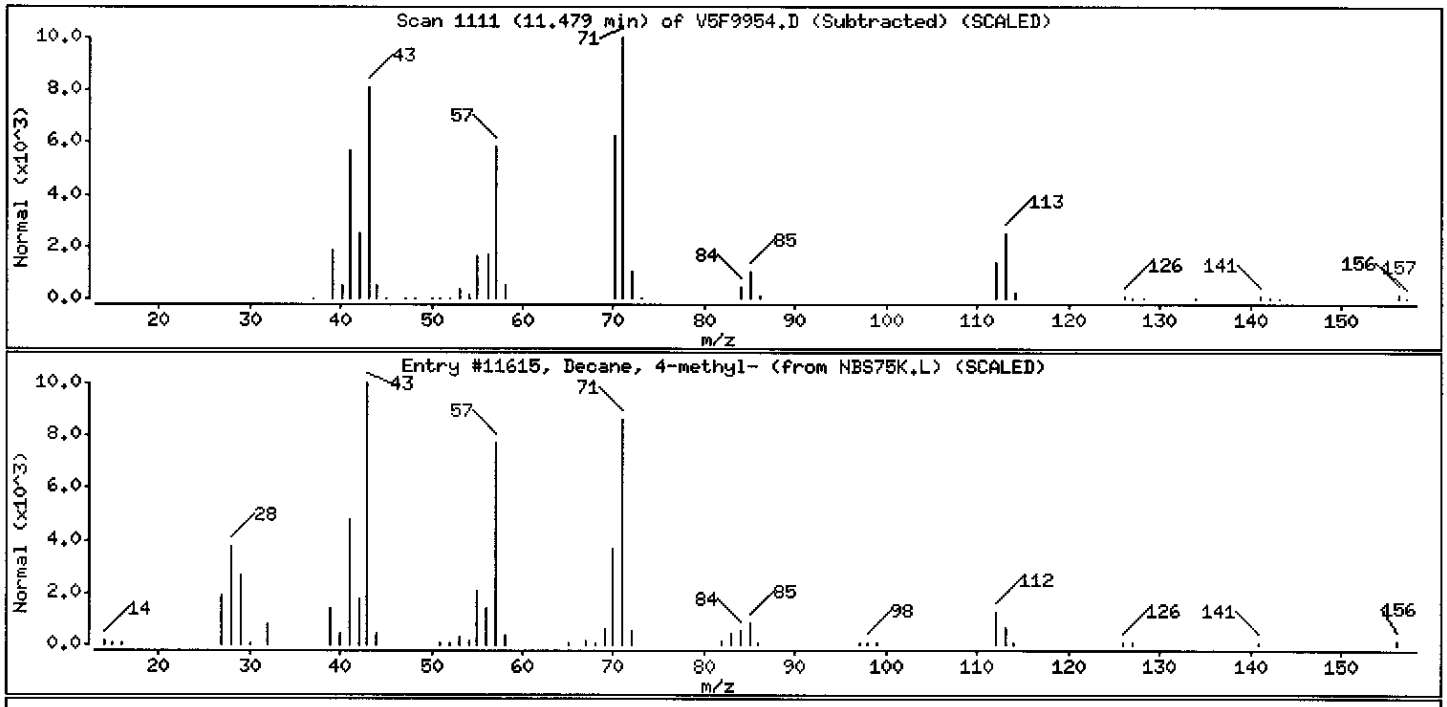
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Decane, 4-methyl-	2847-72-5	NBS75K.L	11615	72	C11H24	156



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Date : 13-MAY-2005 17:24

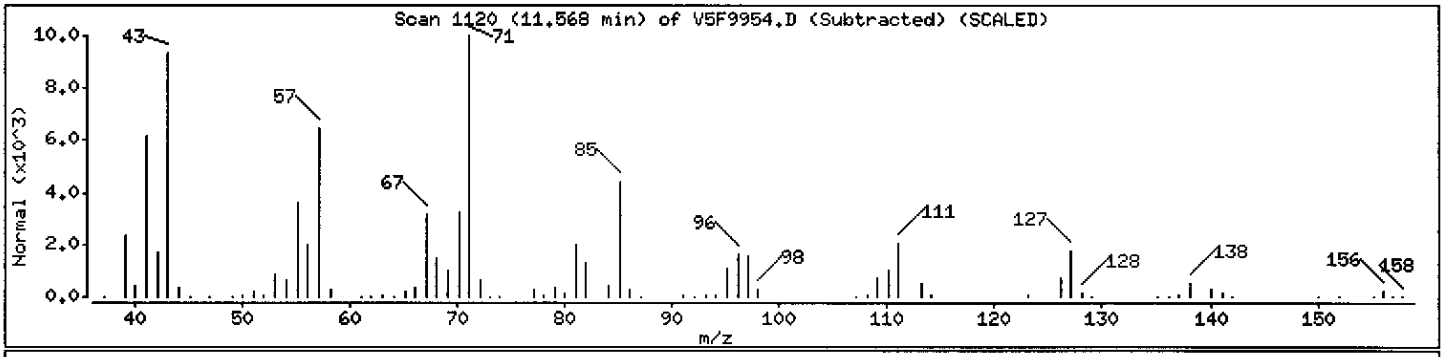
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

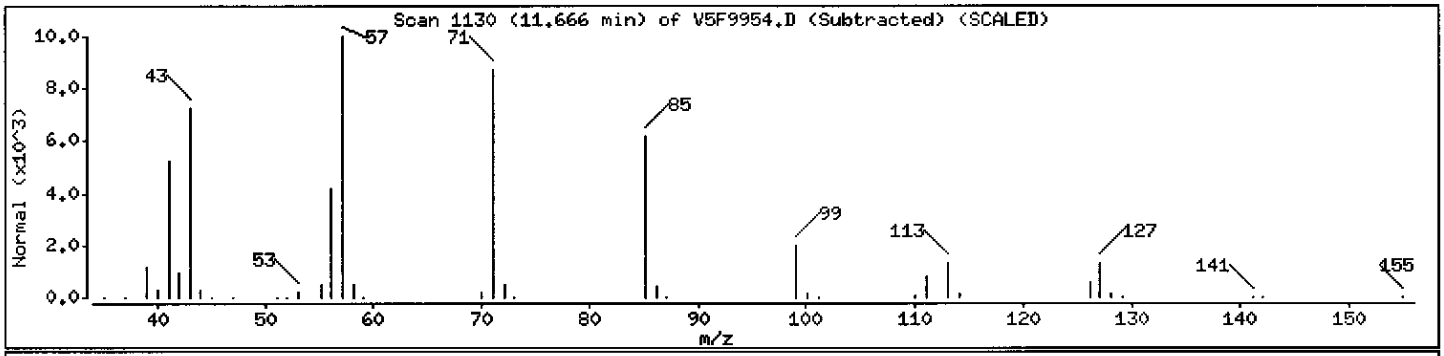
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

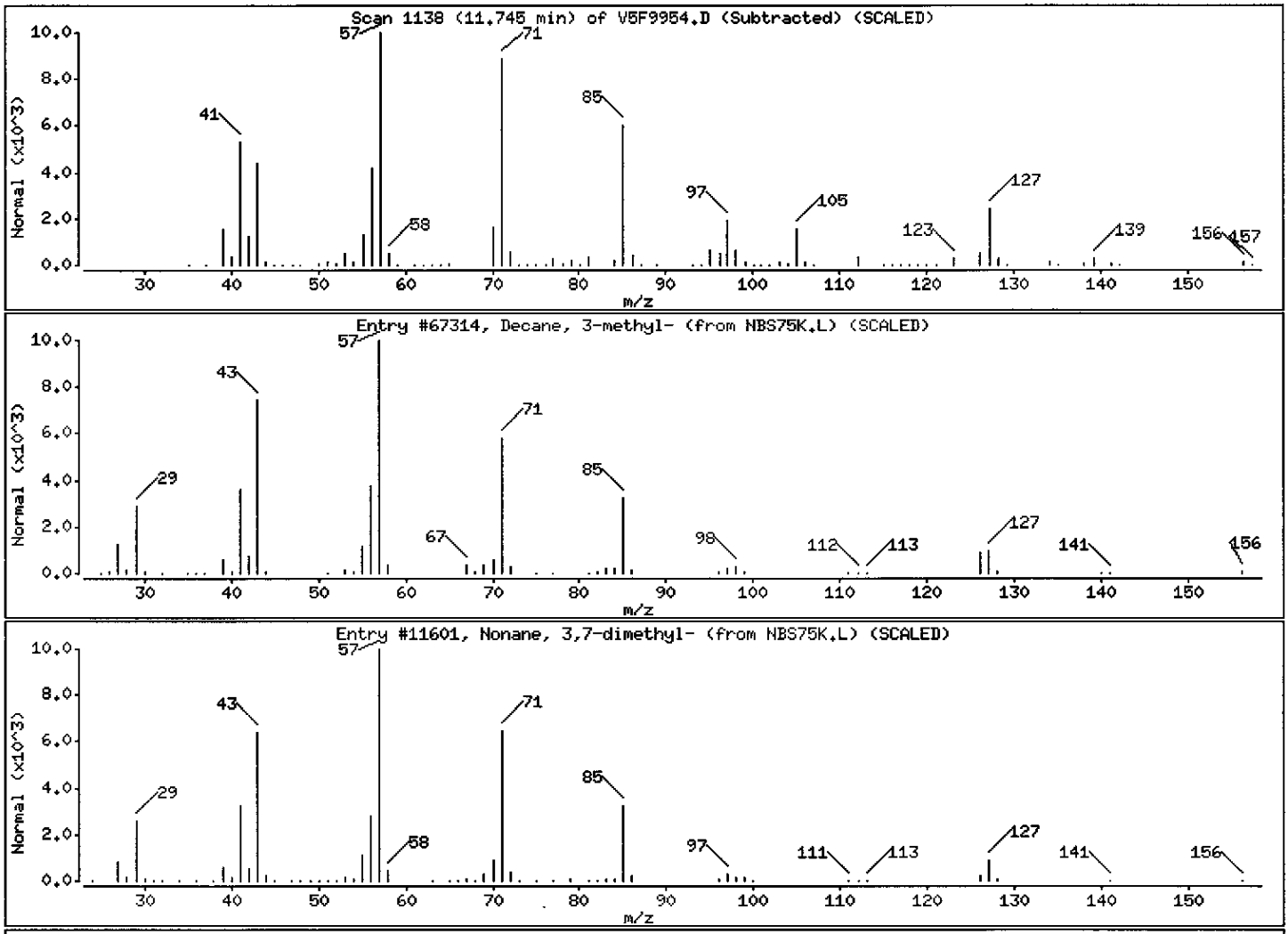
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Branched Alkane						
Decane, 3-methyl-	13151-34-3	NBS75K.L	67314	87	C11H24	156
Nonane, 3,7-dimethyl-	17302-32-8	NBS75K.L	11601	81	C11H24	156



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Date : 13-MAY-2005 17:24

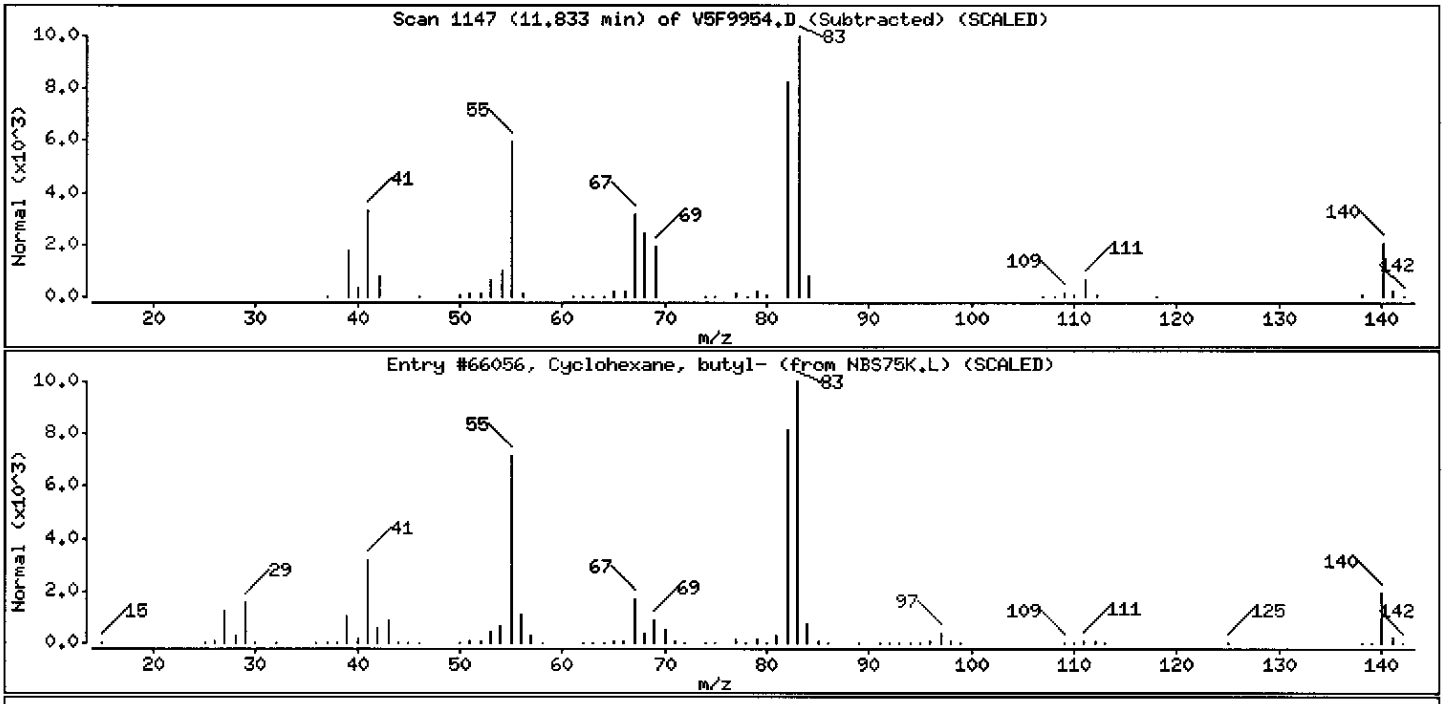
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, butyl-	1678-93-9	NBS75K.L	66056	80	C10H20	140



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Date : 13-MAY-2005 17:24

Client ID: B-330

Instrument: v5.i

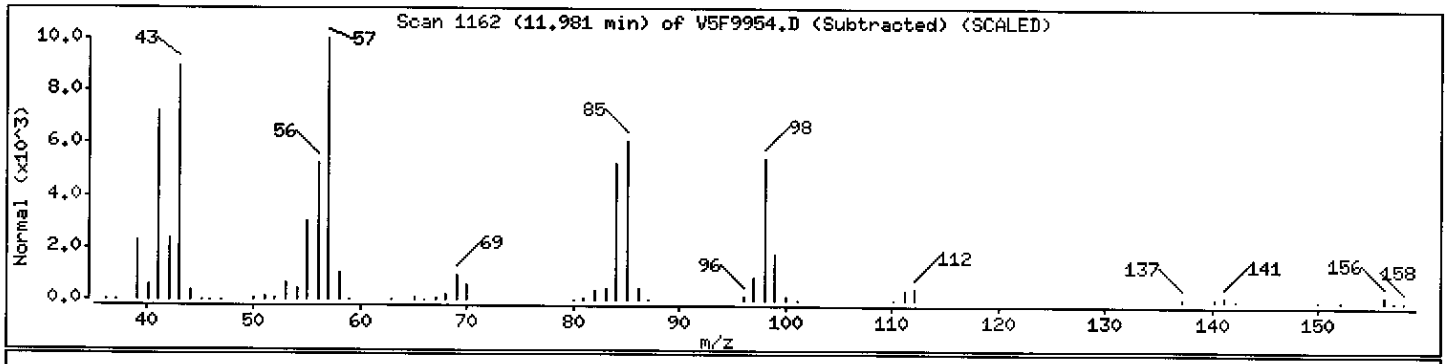
Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

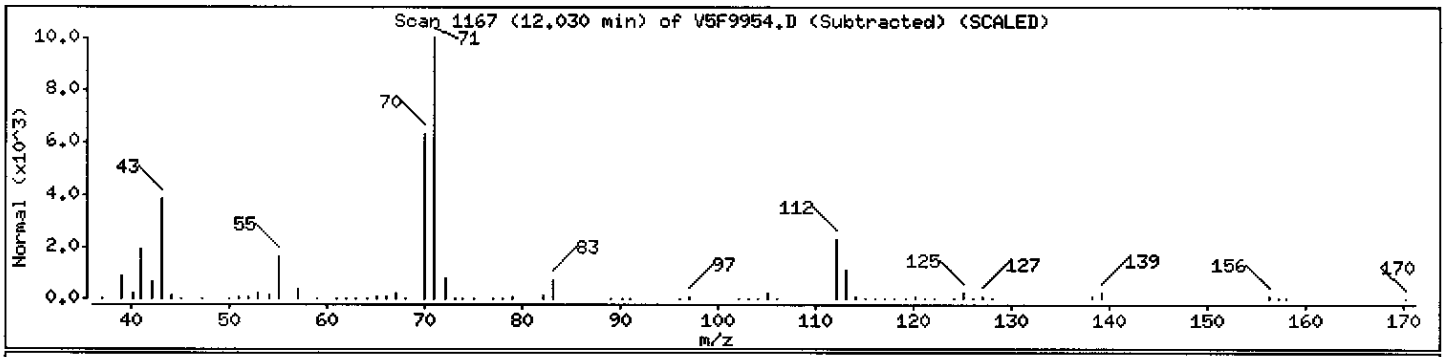
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

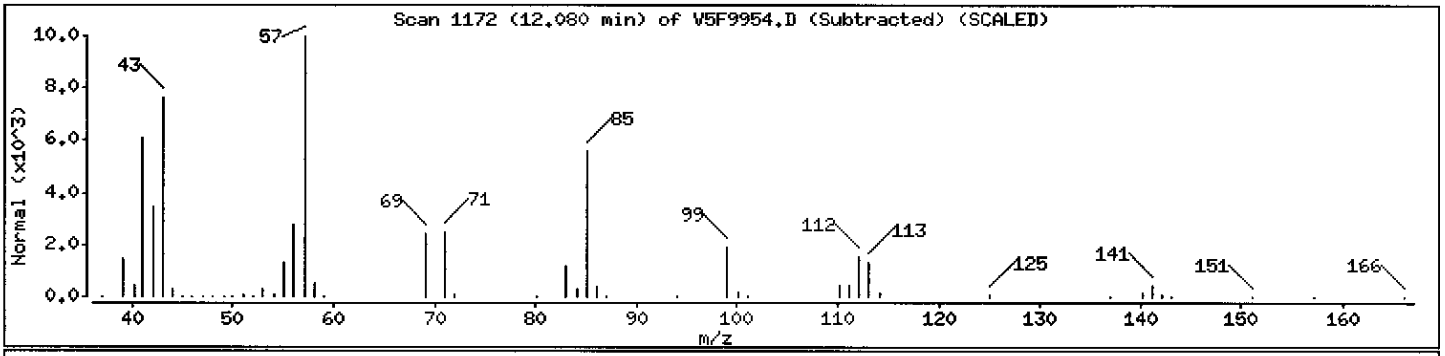
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

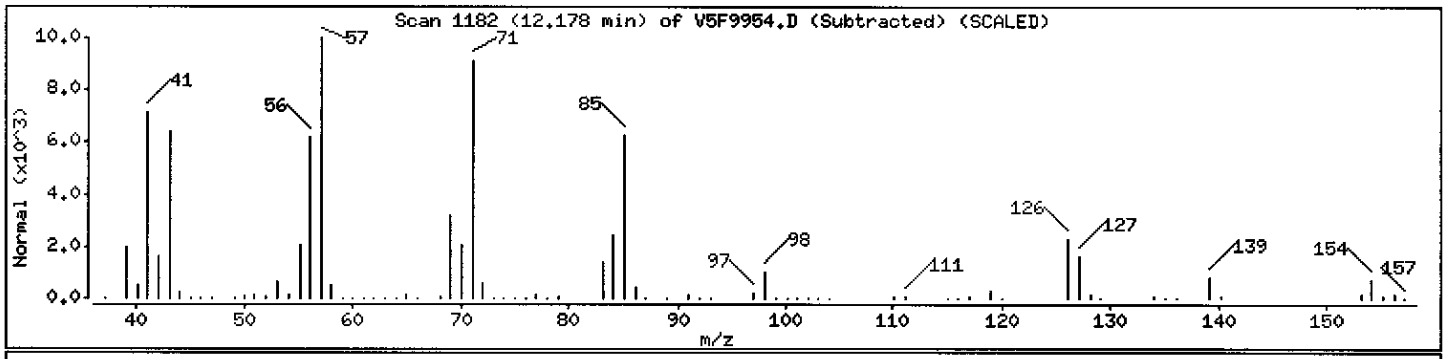
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 13-MAY-2005 17:24

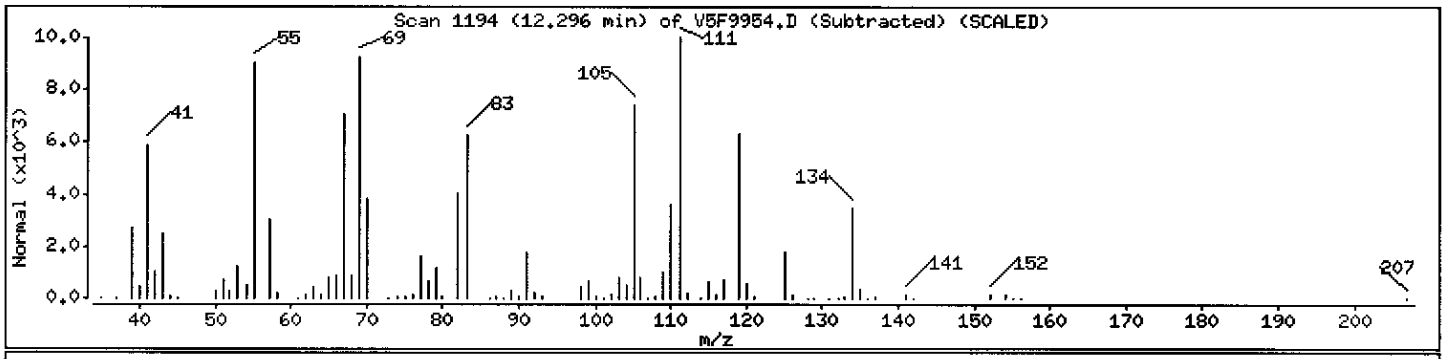
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

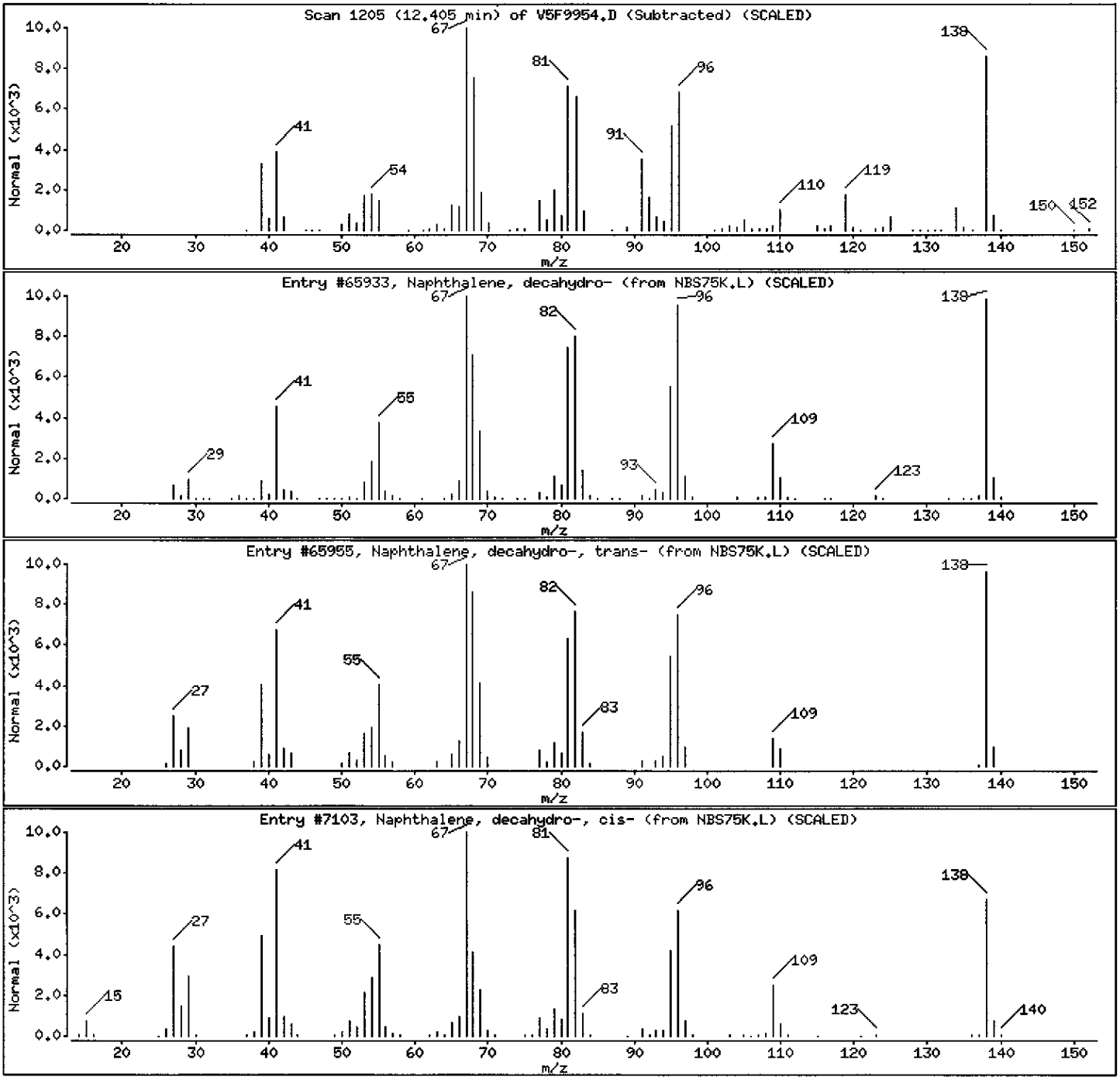
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, decahydro-	91-17-8	NBS75K.L	65933	96	C10H18	138
Naphthalene, decahydro-, trans-	493-02-7	NBS75K.L	65955	93	C10H18	138
Naphthalene, decahydro-, cis-	493-01-6	NBS75K.L	7103	89	C10H18	138



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

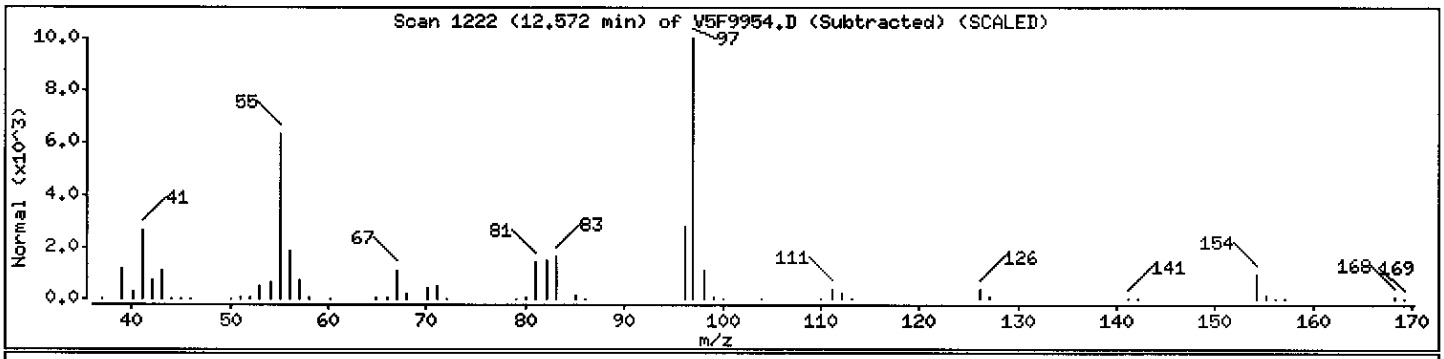
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

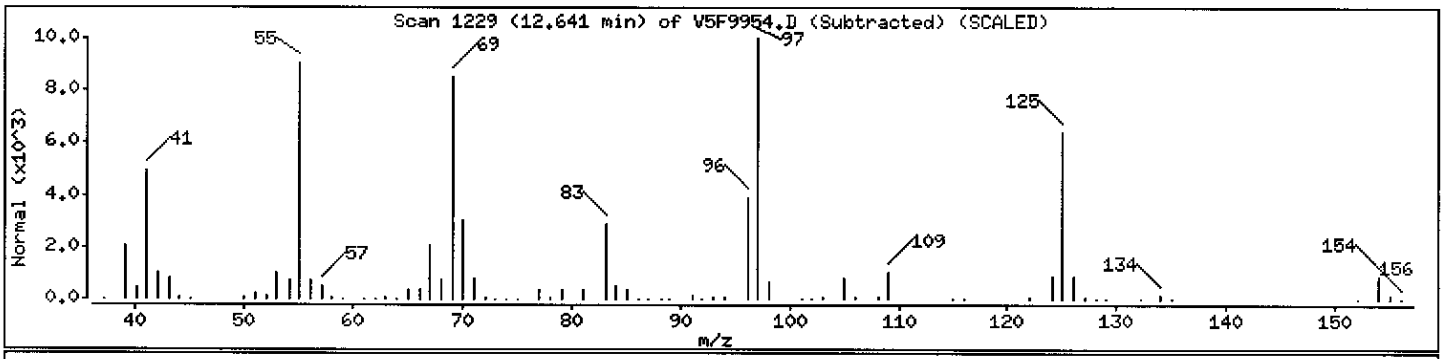
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

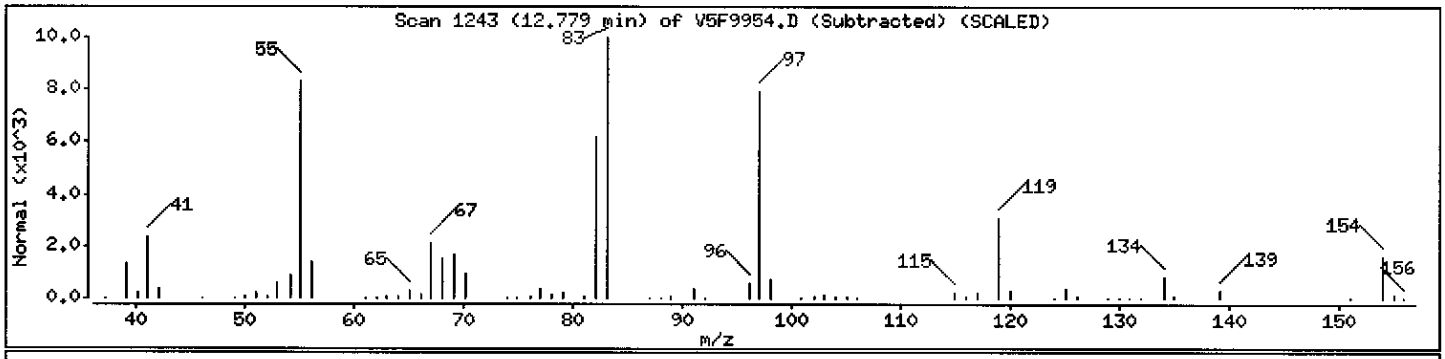
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

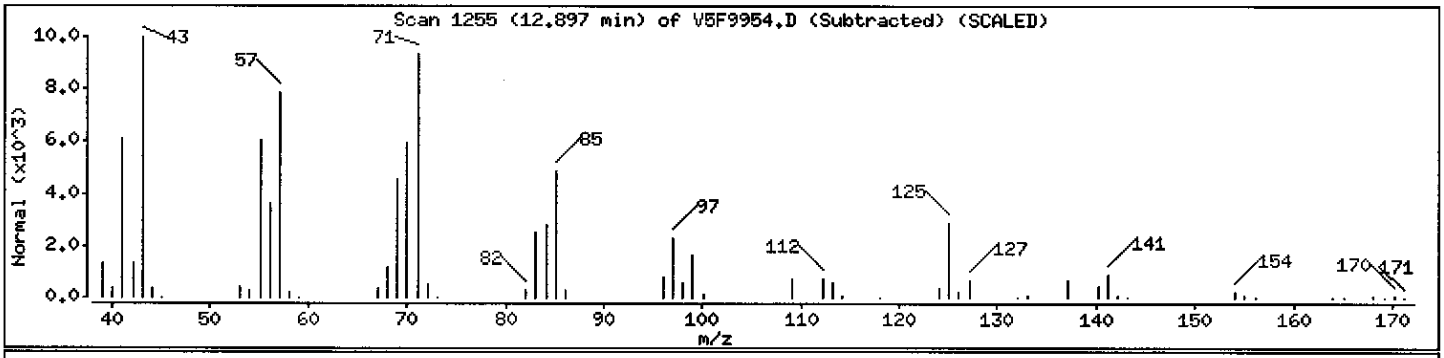
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

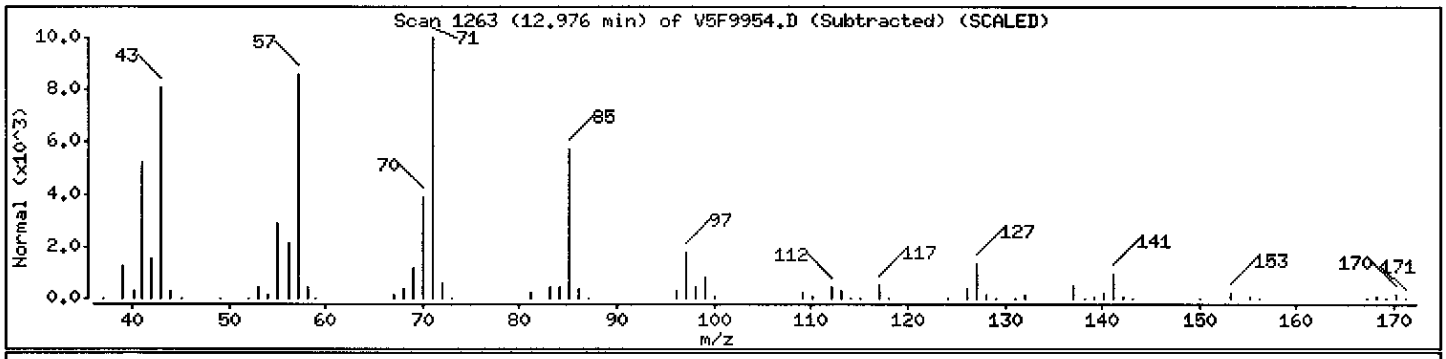
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

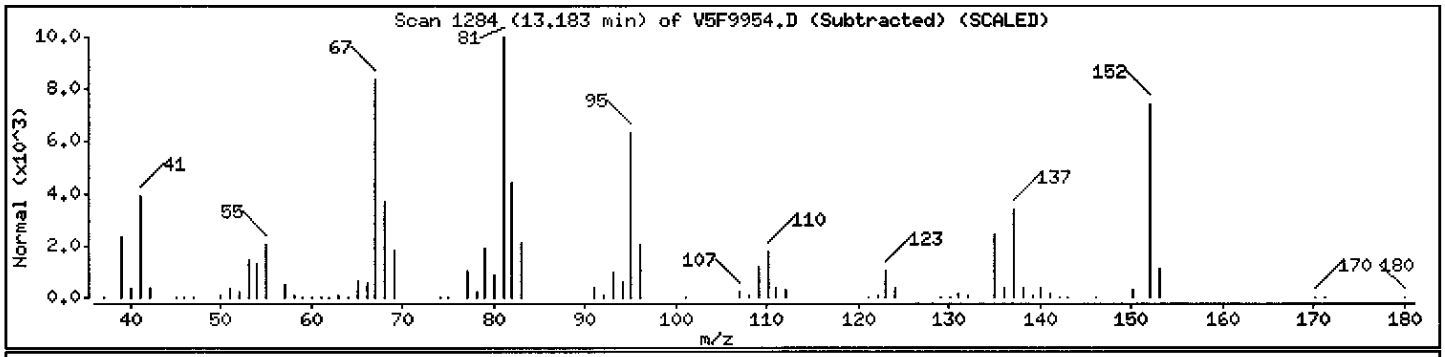
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9954.D

Date : 13-MAY-2005 17:24

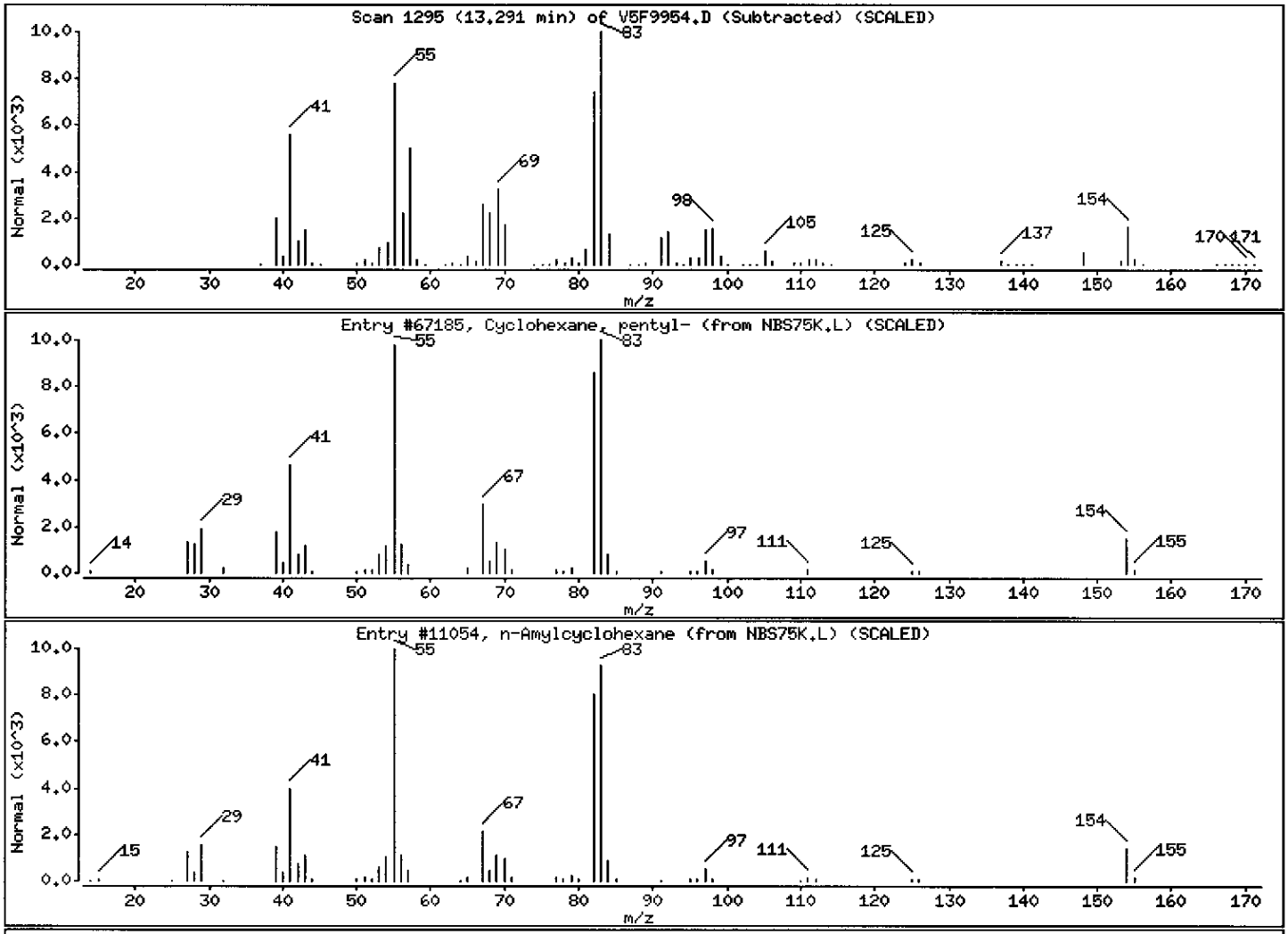
Client ID: B-330 Instrument: v5.i

Sample Info: ,D0529-02A,,18114

Operator: JC SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, pentyl-	4292-92-6	NBS75K.L	67185	81	C11H22	154
n-Amylcyclohexane	29949-27-7	NBS75K.L	11054	76	C11H22	154



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-330DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-02ADL

Sample wt/vol: 4.1(g/mL) G Lab File ID: V6D6175

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 13 Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	70000	U
74-87-3	Chloromethane	70000	U
75-01-4	Vinyl Chloride	70000	U
74-83-9	Bromomethane	70000	U
75-00-3	Chloroethane	70000	U
75-69-4	Trichlorofluoromethane	70000	U
75-35-4	1,1-Dichloroethene	70000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	70000	U
67-64-1	Acetone	70000	U
75-15-0	Carbon Disulfide	70000	U
79-20-9	Methyl Acetate	70000	U
75-09-2	Methylene Chloride	70000	U
156-60-5	trans-1,2-Dichloroethene	70000	U
1634-04-4	Methyl tert-Butyl Ether	70000	U
75-34-3	1,1-Dichloroethane	70000	U
156-59-2	cis-1,2-Dichloroethene	70000	U
78-93-3	2-Butanone	70000	U
67-66-3	Chloroform	70000	U
71-55-6	1,1,1-Trichloroethane	70000	U
110-82-7	Cyclohexane	70000	U
56-23-5	Carbon Tetrachloride	70000	U
71-43-2	Benzene	70000	U
107-06-2	1,2-Dichloroethane	70000	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-330DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-02ADL

Sample wt/vol: 4.1(g/mL) G Lab File ID: V6D6175

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 13 Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: 10000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	41000	DJ
108-87-2	Methylcyclohexane	70000	U
78-87-5	1,2-Dichloropropane	70000	U
75-27-4	Bromodichloromethane	70000	U
10061-01-5	cis-1,3-Dichloropropene	70000	U
108-10-1	4-Methyl-2-Pentanone	70000	U
108-88-3	Toluene	70000	U
10061-02-6	trans-1,3-Dichloropropene	70000	U
79-00-5	1,1,2-Trichloroethane	70000	U
127-18-4	Tetrachloroethene	1000000	D
591-78-6	2-Hexanone	70000	U
124-48-1	Dibromochloromethane	70000	U
106-93-4	1,2-Dibromoethane	70000	U
108-90-7	Chlorobenzene	70000	U
100-41-4	Ethylbenzene	70000	U
1330-20-7	Xylene (Total)	70000	U
100-42-5	Styrene	70000	U
75-25-2	Bromoform	70000	U
98-82-8	Isopropylbenzene	70000	U
79-34-5	1,1,2,2-Tetrachloroethane	70000	U
541-73-1	1,3-Dichlorobenzene	70000	U
106-46-7	1,4-Dichlorobenzene	70000	U
95-50-1	1,2-Dichlorobenzene	70000	U
96-12-8	1,2-Dibromo-3-chloropropane	70000	U
120-82-1	1,2,4-Trichlorobenzene	70000	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B-330DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-02ADL

Sample wt/vol: 4.1 (g/mL) G Lab File ID: V6D6175

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 13 Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

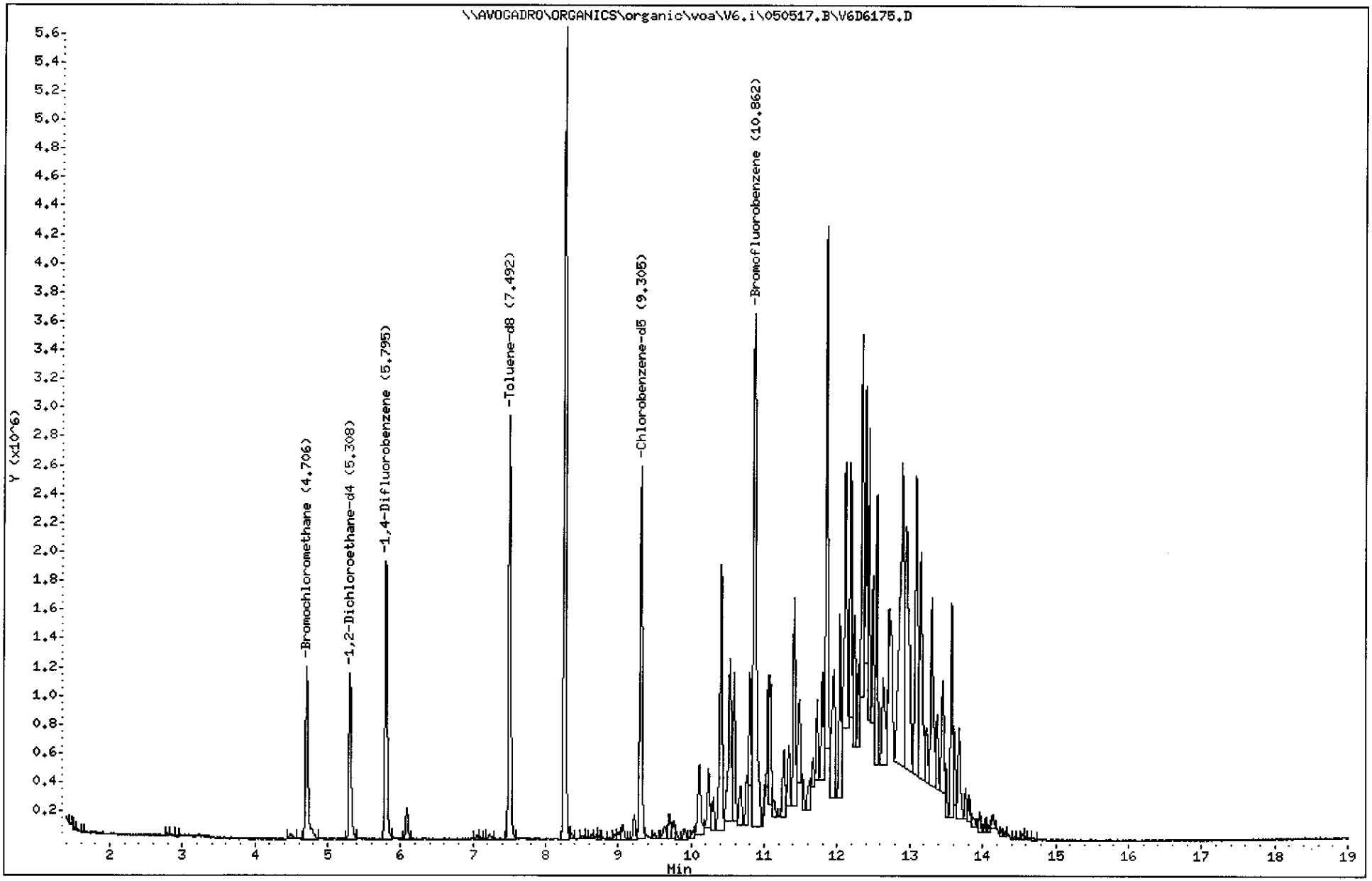
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.11	94000	JD
2.	BRANCHED ALKANE	10.41	280000	JD
3.	UNKNOWN	10.52	200000	JD
4.	UNKNOWN	10.58	150000	JD
5.	UNKNOWN	10.80	94000	JD
6.	UNKNOWN	11.05	94000	JD
7.	UNKNOWN	11.08	120000	JD
8.	UNKNOWN	11.41	190000	JD
9.	UNKNOWN	11.48	98000	JD
10.	UNKNOWN	11.80	98000	JD
11.	BRANCHED ALKANE	11.85	430000	JD
12.	UNKNOWN	11.94	190000	JD
13.	UNKNOWN	12.04	160000	JD
14.	UNKNOWN	12.12	260000	JD
15.	CYCLIC ALKANE	12.18	210000	JD
16.	UNKNOWN	12.24	120000	JD
17.	UNKNOWN	12.35	300000	JD
18.	BRANCHED ALKANE	12.40	190000	JD
19.	UNKNOWN	12.44	220000	JD
20.	UNKNOWN	12.49	100000	JD
21.	BRANCHED ALKANE	12.55	220000	JD
22.	UNKNOWN	12.63	120000	JD
23.	UNKNOWN	12.90	610000	JD
24.	UNKNOWN	12.95	410000	JD
25.	UNKNOWN	13.08	360000	JD
26.	UNKNOWN	13.15	300000	JD
27.	UNKNOWN	13.30	210000	JD
28. 2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	13.45	120000	NJD
29.	UNKNOWN	13.57	200000	JD
30. 527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	13.68	95000	NJD

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D
Date : 17-MAY-2005 13:31
Client ID: B-330DL
Instrument: V6.i
Sample Info: ,D0529-02ADL,18152,
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0600

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D
Report Date: 25-May-2005 12:07

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D
Lab Smp Id: D0529-02ADL Client Smp ID: B-330DL
Inj Date : 17-MAY-2005 13:31
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0529-02ADL,18152,
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\v6clp4s.m
Meth Date : 25-May-2005 12:05 mtl Quant Type: ISTD
Cal Date : 17-MAY-2005 10:10 Cal File: V6D6171.D ✓
Als bottle: 5
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: CLP4.sub ✓
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula:
Amt * DF * Uf * ((Vt+Ws*M/100)* 5)/(Va * Ws * ((100-M)/100))

Name	Value	Description
DF	50.000 ✓	Dilution Factor
Uf	1.000 ✓	ng unit correction factor
Ws	4.100 ✓	Weight of sample extracted (g)
M	13.000 ✓	% Moisture (not decanted)
Vt	10000.000 ✓	Methanol extract volume (uL)
Va	100.000	Aliquot of methanol (uL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
* 18 Bromochloromethane	128	4.706	4.703	(1.000)	347239	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.308	5.311	(1.128)	945643	48.3041	6800
* 26 1,4-Difluorobenzene	114	5.795	5.798	(1.000)	1650019	50.0000	
27 Trichloroethene	130	6.087	6.090	(1.050)	76178	5.80175	41000(a)
$ 33 Toluene-d8	98	7.492	7.495	(0.805)	2196283	44.9707	6300
37 Tetrachloroethene	164	8.258	8.255	(0.888)	1536430	143.573	1000000
* 42 Chlorobenzene-d5	117	9.305	9.308	(1.000)	1745614	50.0000	
$ 50 Bromofluorobenzene	95	10.862	10.859	(1.167)	1089800	55.4189	7800

SB
5/25/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D
Report Date: 25-May-2005 12:07

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D
Report Date: 31-May-2005 10:05

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D
Lab Smp Id: D0529-02ADL Client Smp ID: B-330DL
Inj Date : 17-MAY-2005 13:31
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0529-02ADL,18152,
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\v6clp4s.m
Meth Date : 31-May-2005 10:00 mtl Quant Type: ISTD
Cal Date : 17-MAY-2005 10:10 Cal File: V6D6171.D
Als bottle: 5
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula:
Amt * DF * Uf * ((Vt+Ws*M/100)* 5)/(Va * Ws * ((100-M)/100)))

Name	Value	Description
DF	50.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	4.100	Weight of sample extracted (g)
M	13.000	% Moisture (not decanted)
Vt	10000.000	Methanol extract volume (uL)
Va	100.000	Aliquot of methanol (uL)

ISTD	RT	AREA	AMOUNT
* 42 Chlorobenzene-d5	9.305	5318498	50.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.108	1422614	13.3742083	94000	0		0	42
Branched Alkane				CAS #:			
10.406	4202627	39.5095288	280000	0		0	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D
Report Date: 31-May-2005 10:05

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.521	3105298	29.1933738	200000	0		0	42
Unknown				CAS #:			
10.582	2311843	21.7339839	150000	0		0	42
Unknown				CAS #:			
10.795	1423909	13.3863828	94000	0		0	42
Unknown				CAS #:			
11.051	1428569	13.4301921	94000	0		0	42
Unknown				CAS #:			
11.081	1842637	17.3229077	120000	0		0	42
Unknown				CAS #:			
11.410	2882837	27.1019844	190000	0		0	42
Unknown				CAS #:			
11.477	1494574	14.0507151	98000	0		0	42
Unknown				CAS #:			
11.799	1488201	13.9908015	98000	0		0	42
Branched Alkane				CAS #:			
11.854	6479671	60.9163621	430000	0		0	42
Unknown				CAS #:			
11.945	2887974	27.1502781	190000	0		0	42
Unknown				CAS #:			
12.036	2455473	23.0842712	160000	0		0	42
Unknown				CAS #:			
12.115	3914162	36.7976259	260000	0		0	42
Cyclic Alkane				CAS #:			
12.182	3254411	30.5952075	210000	0		0	42
Unknown				CAS #:			
12.237	1778829	16.7230391	120000	0		0	42
Unknown				CAS #:			
12.346	4570940	42.9720948	300000	0		0	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D
Report Date: 31-May-2005 10:05

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
12.395	2957225	27.8013172	190000	0		0	42
Branched Alkane				CAS #:			
12.438	3385767	31.8301050	220000	0		0	42
Unknown				CAS #:			
12.492	1570006	14.7598627	100000	0		0	42
Unknown				CAS #:			
12.547	3285034	30.8830990	220000	0		0	42
Branched Alkane				CAS #:			
12.632	1877623	17.6518164	120000	0		0	42
Unknown				CAS #:			
12.900	9188937	86.3865794	610000	0		0	42
Unknown				CAS #:			
12.955	6197433	58.2630002	410000	0		0	42
Unknown				CAS #:			
13.083	5504180	51.7456244	360000	0		0	42
Unknown				CAS #:			
13.149	4589188	43.1436469	300000	0		0	42
Unknown				CAS #:			
13.295	3231500	30.3798178	210000	0		0	42
Naphthalene, decahydro-2-methyl-				CAS #: 2958-76-1			
13.454	1785550	16.7862242	120000	97	NBS75K.L	67009	42
Unknown				CAS #:			
13.569	3001968	28.2219529	200000	0		0	42
Benzene, 1,2,3,5-tetramethyl-				CAS #: 527-53-7			
13.679	1441310	13.5499722	95000	89	NBS75K.L	6220	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

Sample Info: ,D0529-02ADL,18152,

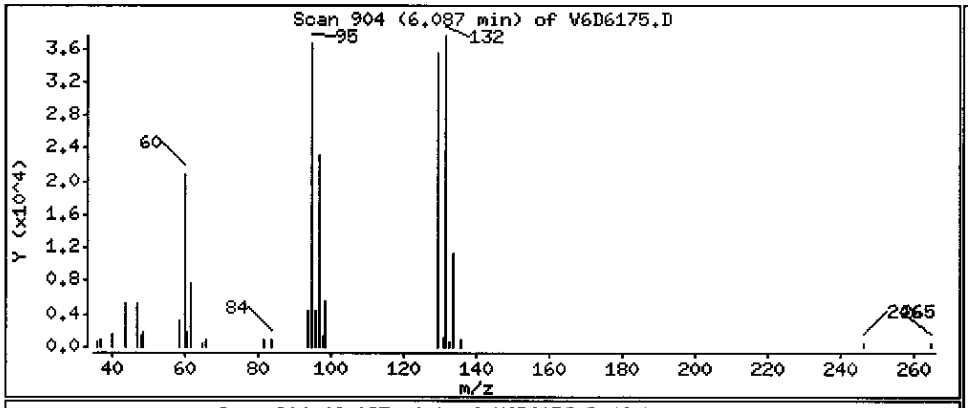
Operator: SB SRC: SB

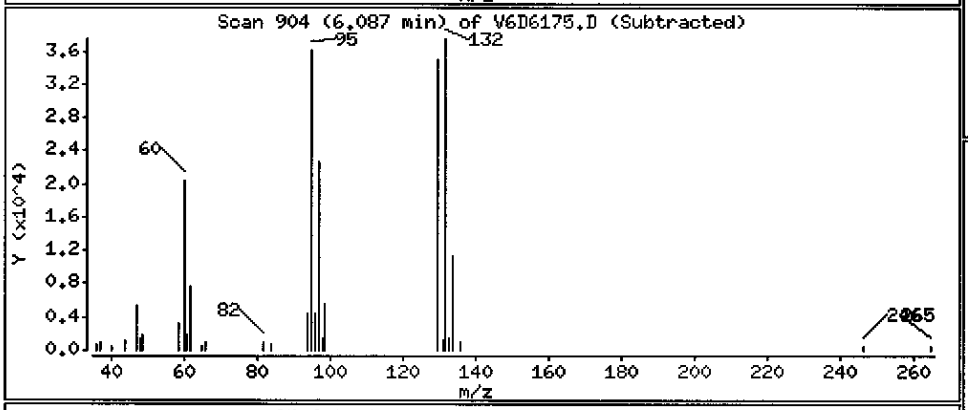
Column phase: DB-624

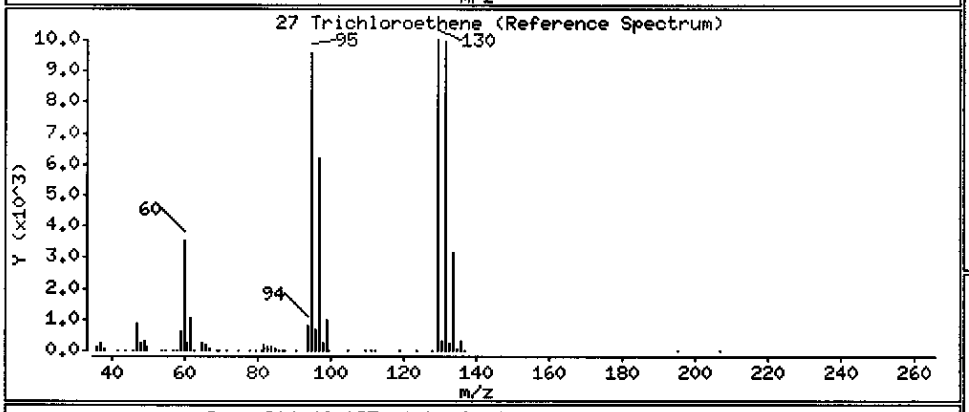
Column diameter: 0.25

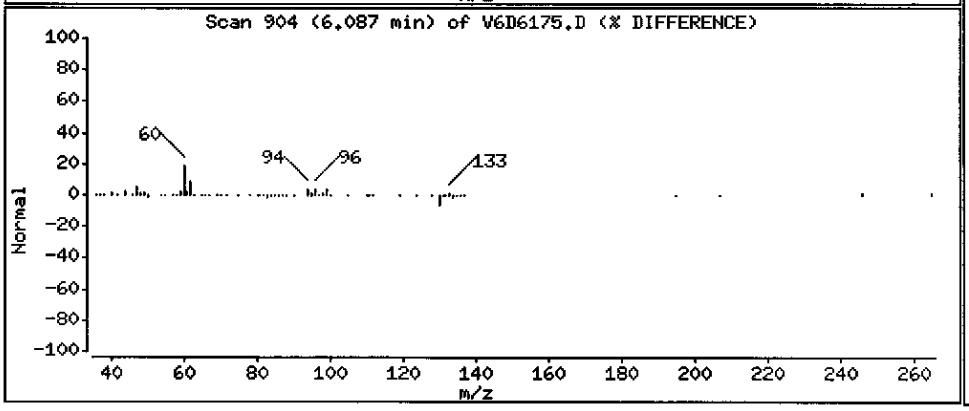
27 Trichloroethene

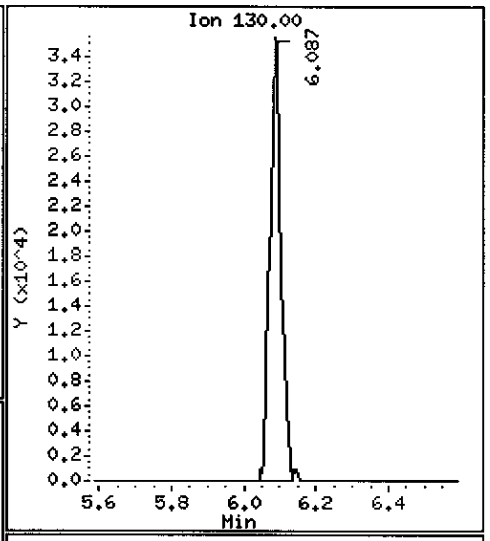
Concentration: 41000 ug/Kg

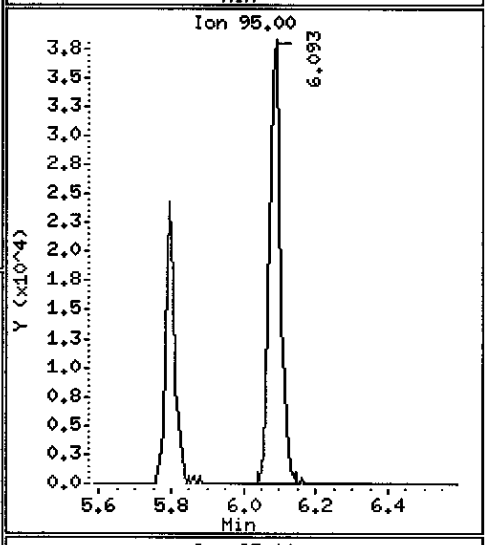


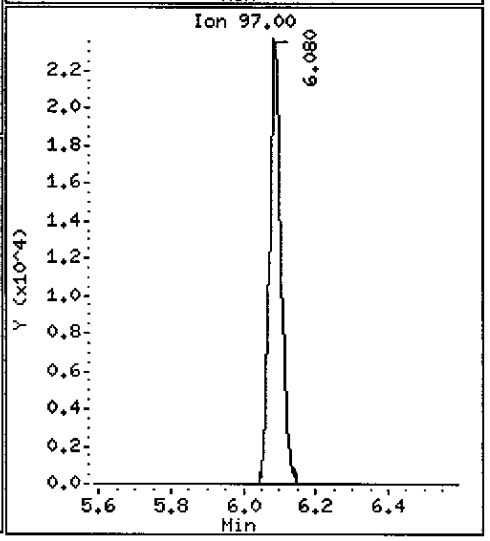












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

Sample Info: ,D0529-02ADL,18152,

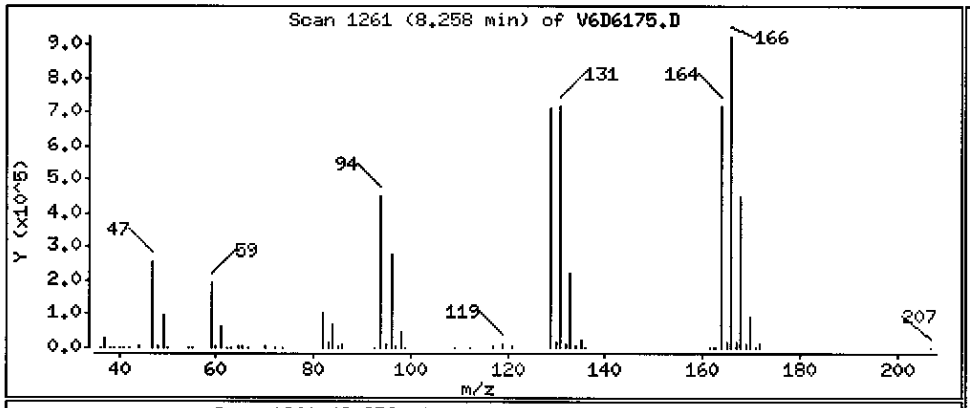
Operator: SB SRC: SB

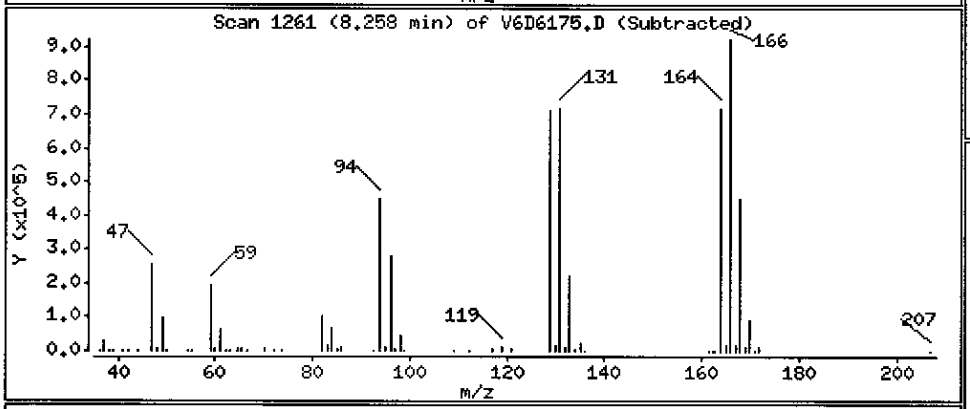
Column phase: DB-624

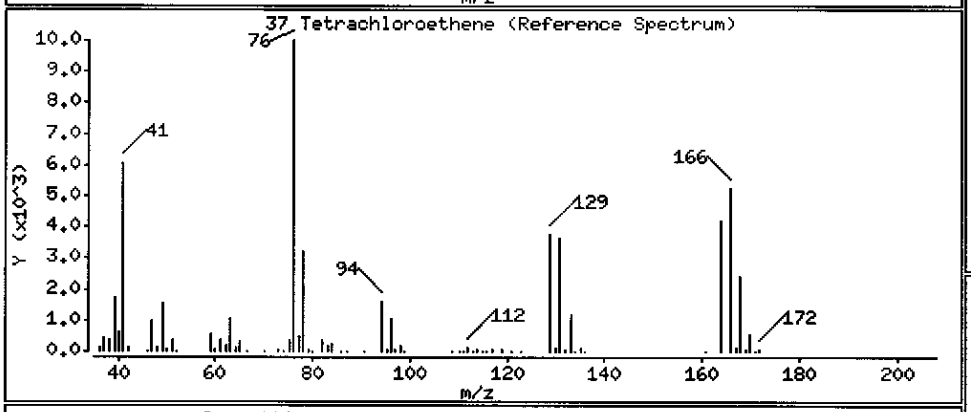
Column diameter: 0.25

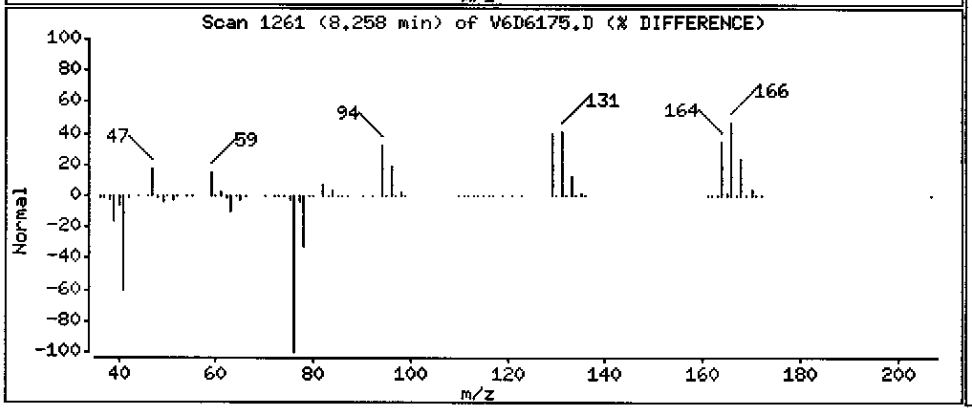
37 Tetrachloroethene

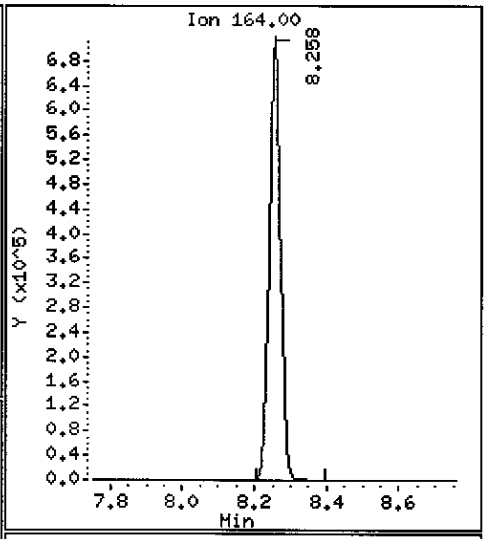
Concentration: 1000000 ug/Kg

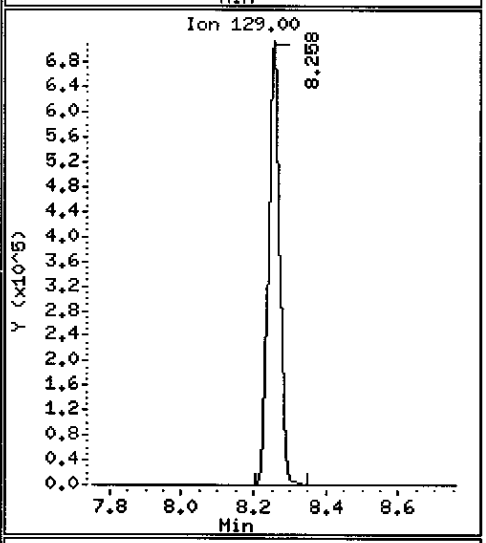


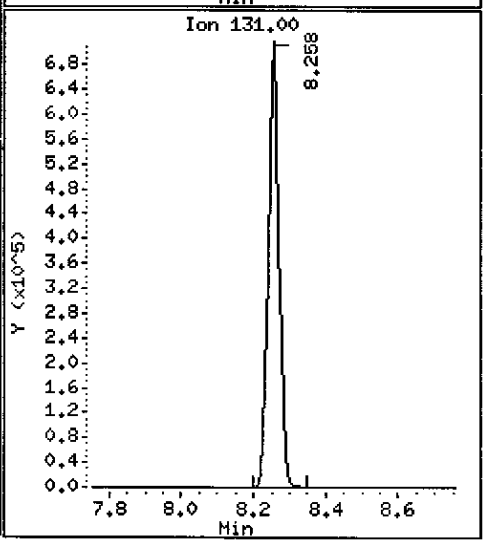












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

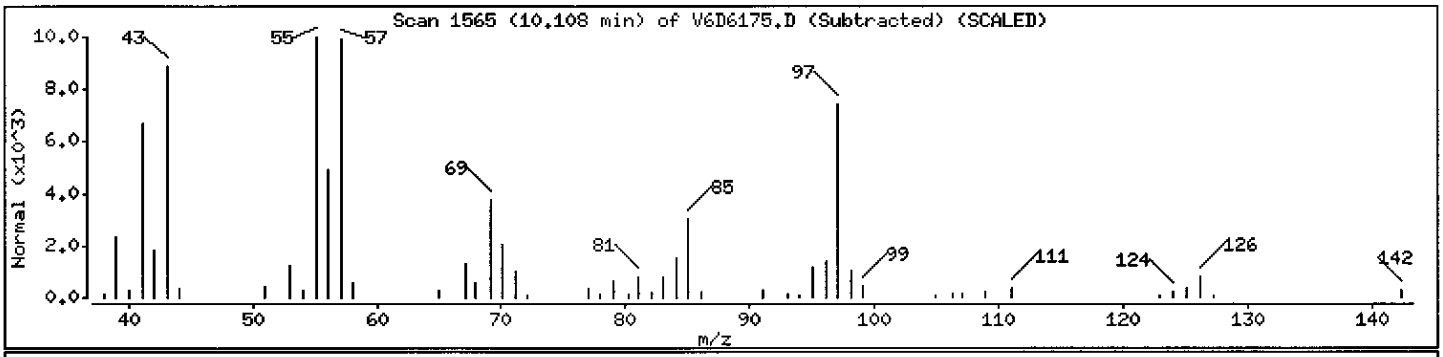
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

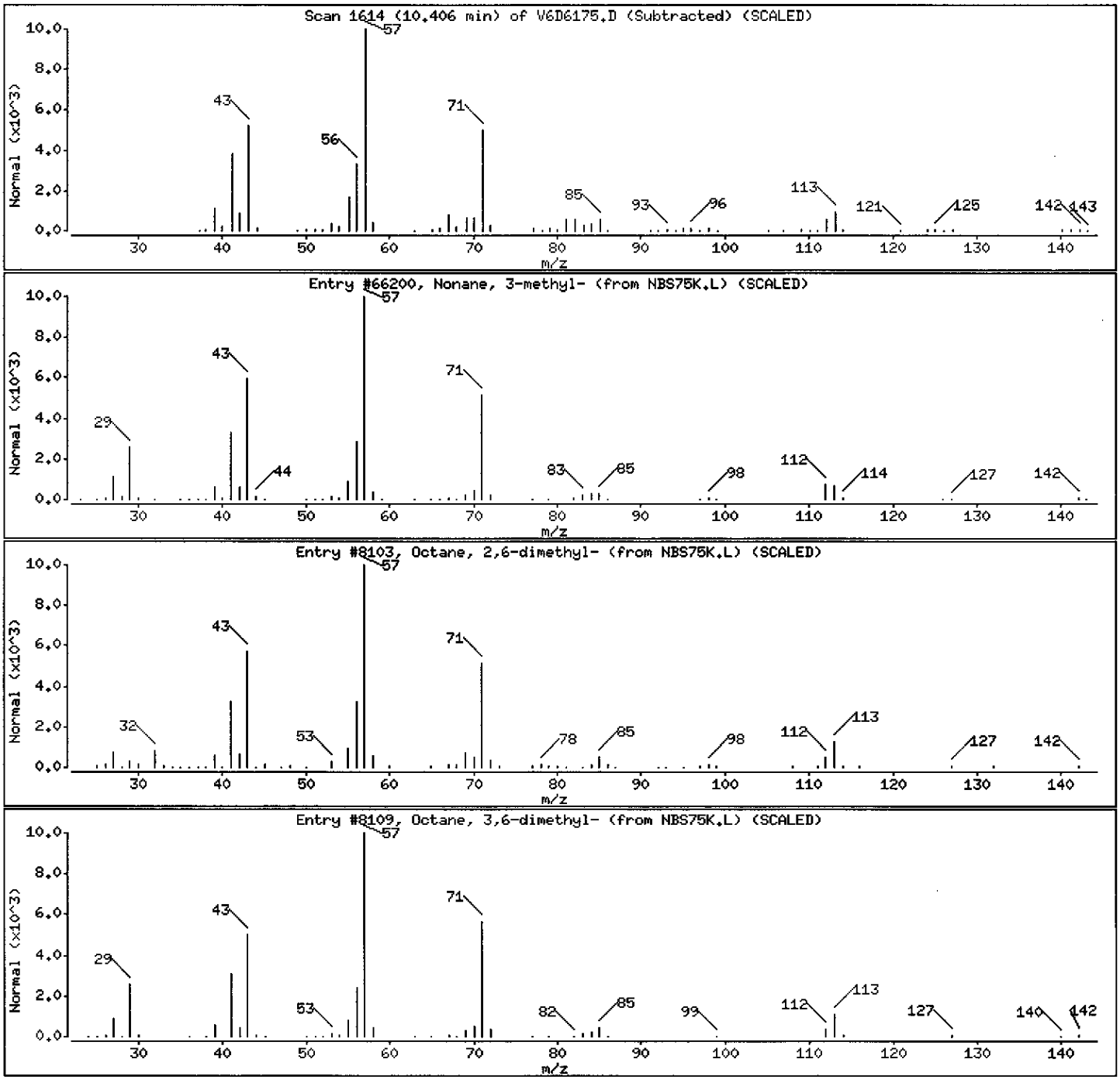
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Branched Alkane						
Nonane, 3-methyl-	5911-04-6	NBS75K.L	66200	90	C10H22	142
Octane, 2,6-dimethyl-	2051-30-1	NBS75K.L	8103	90	C10H22	142
Octane, 3,6-dimethyl-	15869-94-0	NBS75K.L	8109	90	C10H22	142



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Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

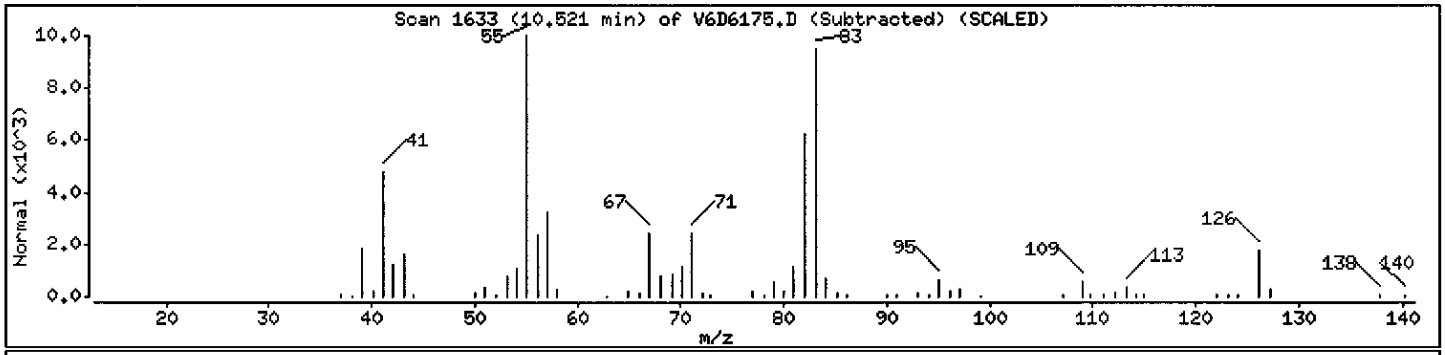
Sample Info: ,D0529-02ADL,18152,

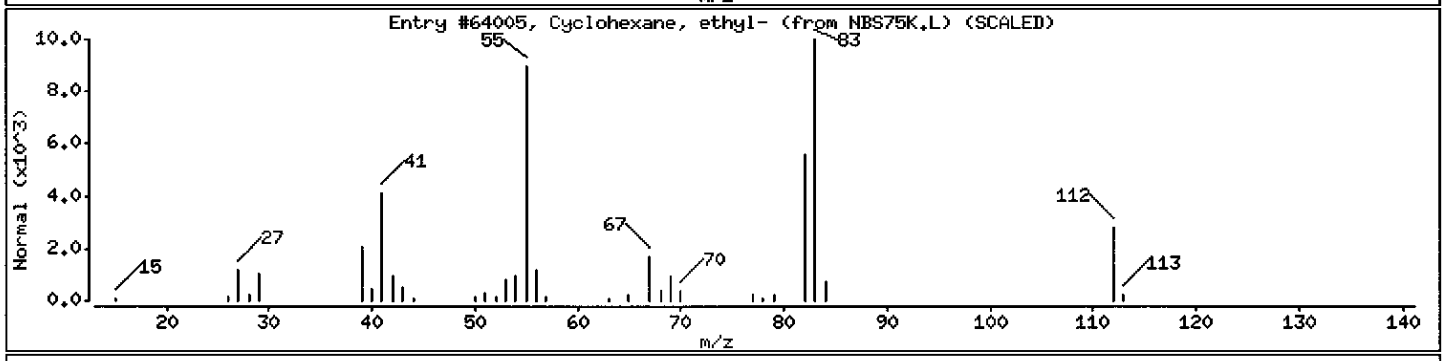
Operator: SB SRC: SB

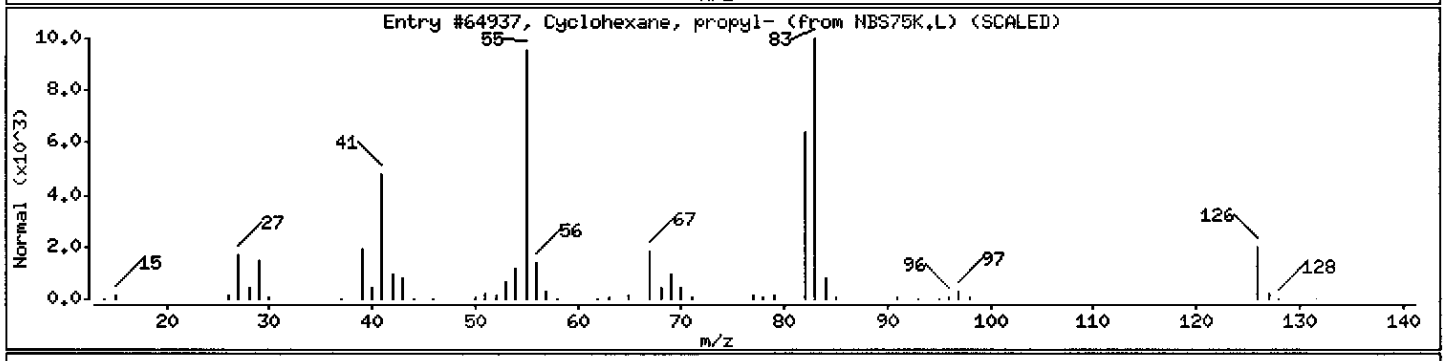
Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, ethyl-	1678-91-7	NBS75K.L	64005	76	C8H16	112
Cyclohexane, propyl-	1678-92-8	NBS75K.L	64937	76	C9H18	126







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Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

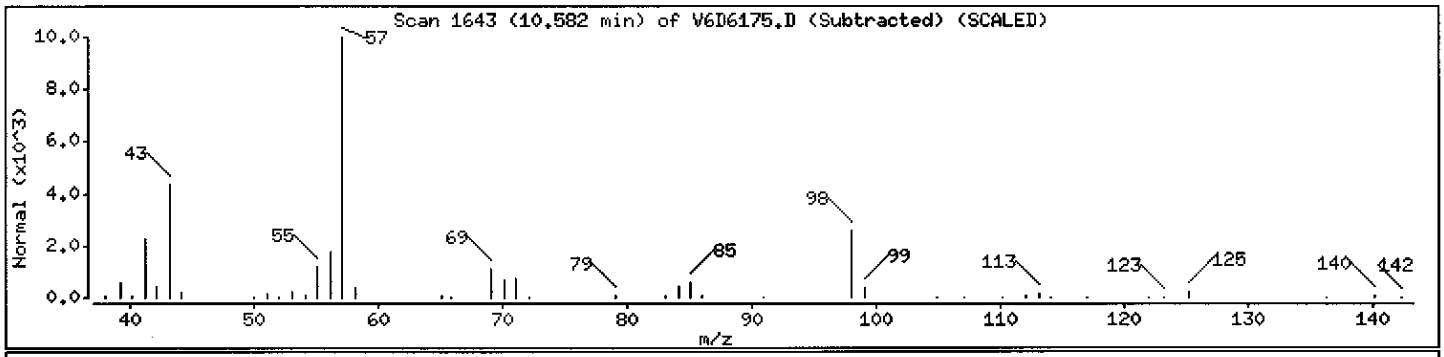
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

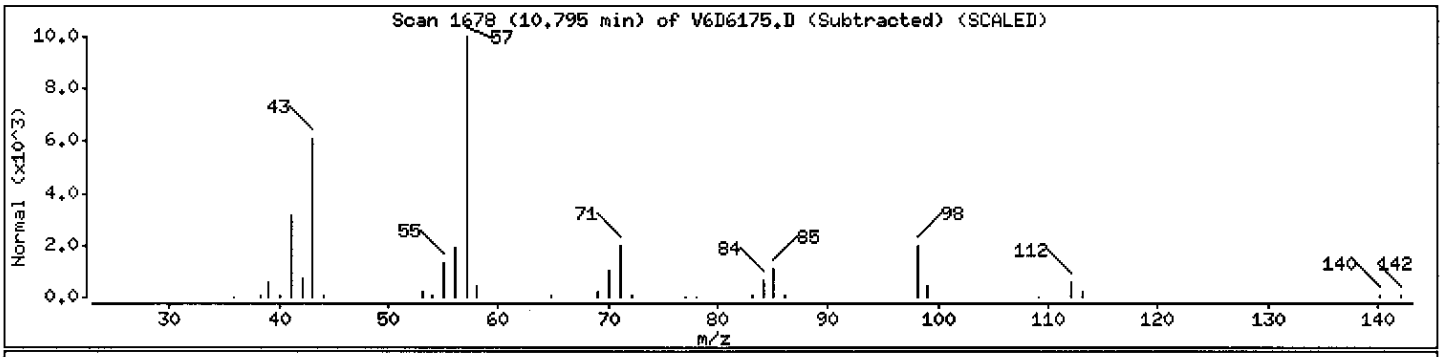
Sample Info: ,D0529-02ADL,18152,

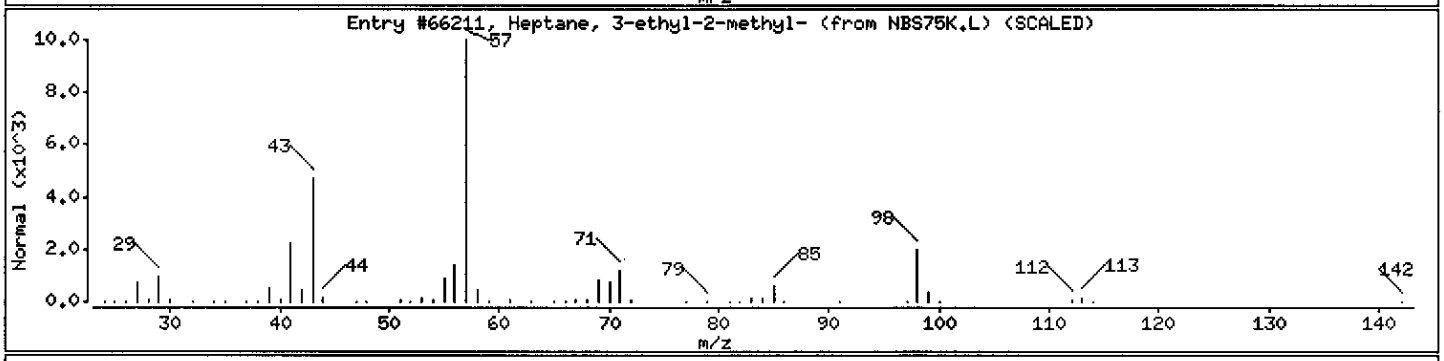
Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Heptane, 3-ethyl-2-methyl-	14676-29-0	NBS75K.L	66211	72	C10H22	142





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Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

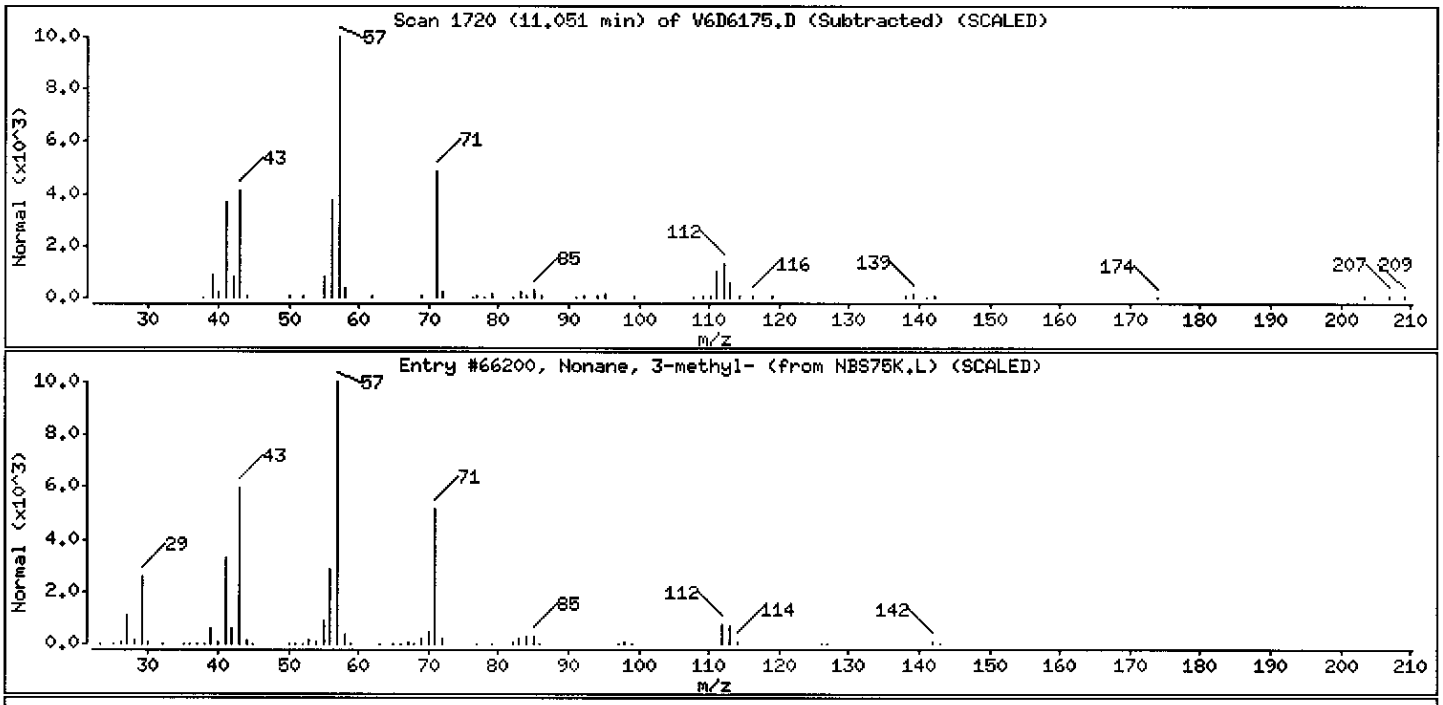
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Nonane, 3-methyl-	5911-04-6	NBS75K.L	66200	72	C10H22	142



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Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

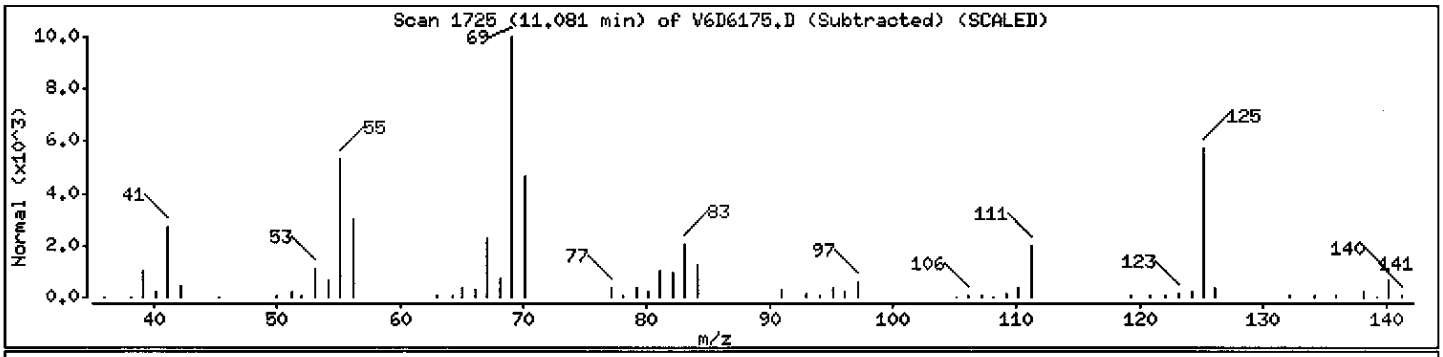
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

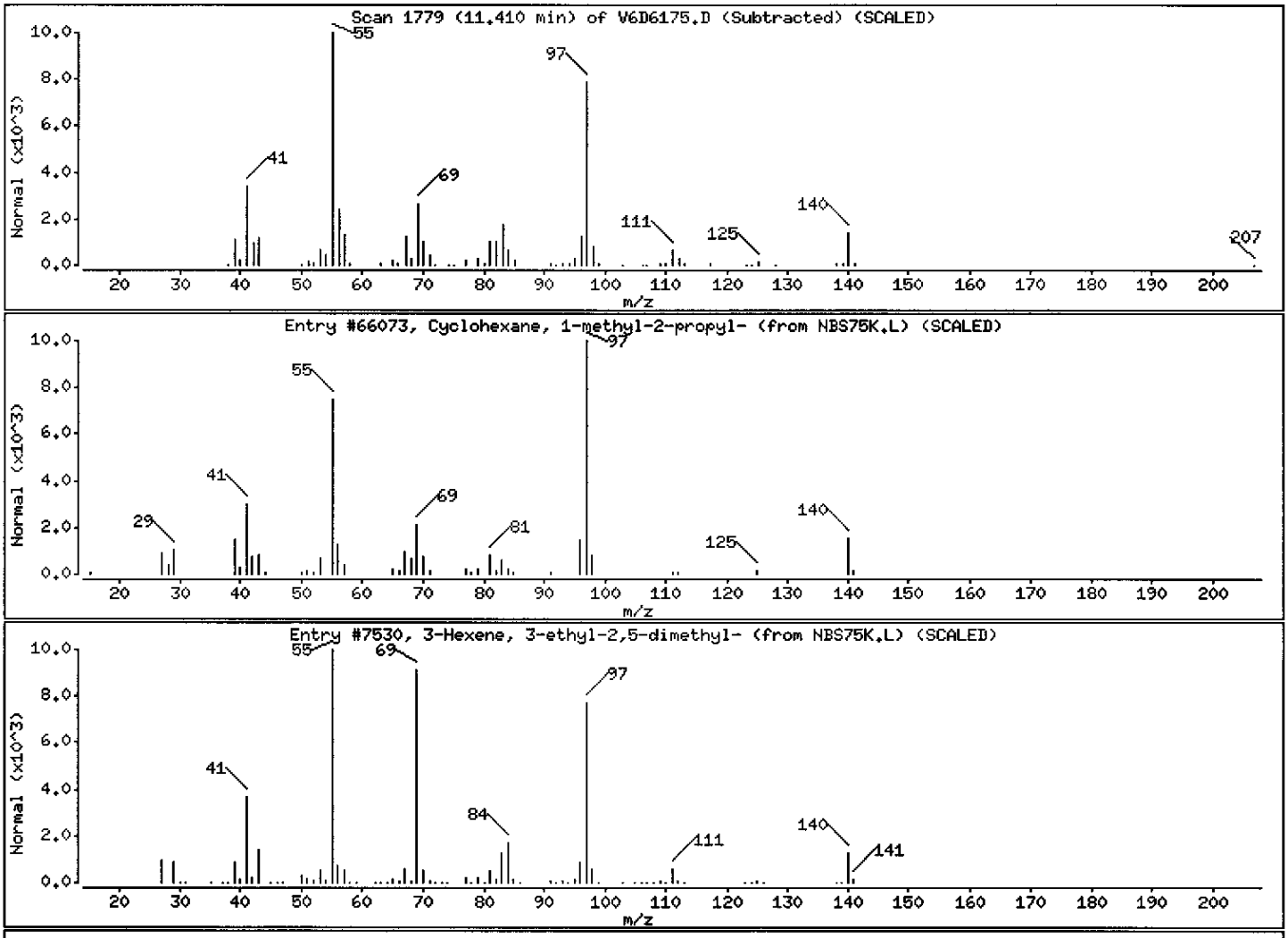
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, 1-methyl-2-propyl-	4291-79-6	NBS75K.L	66073	83	C10H20	140
3-Hexene, 3-ethyl-2,5-dimethyl-	62338-08-3	NBS75K.L	7530	81	C10H20	140



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Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

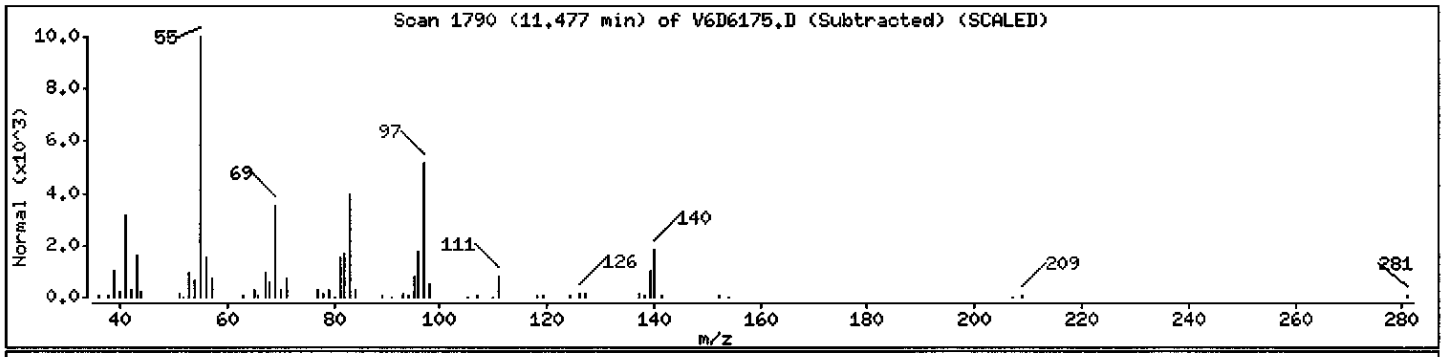
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

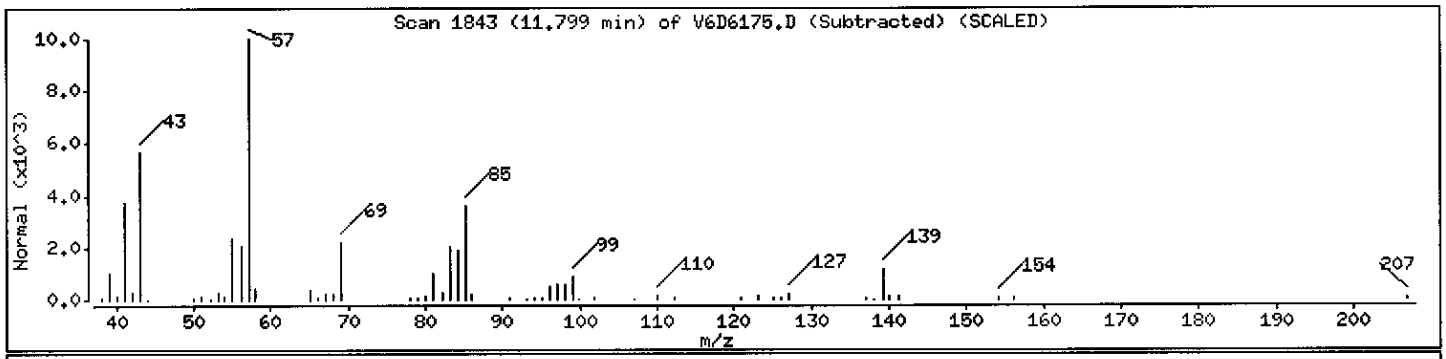
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

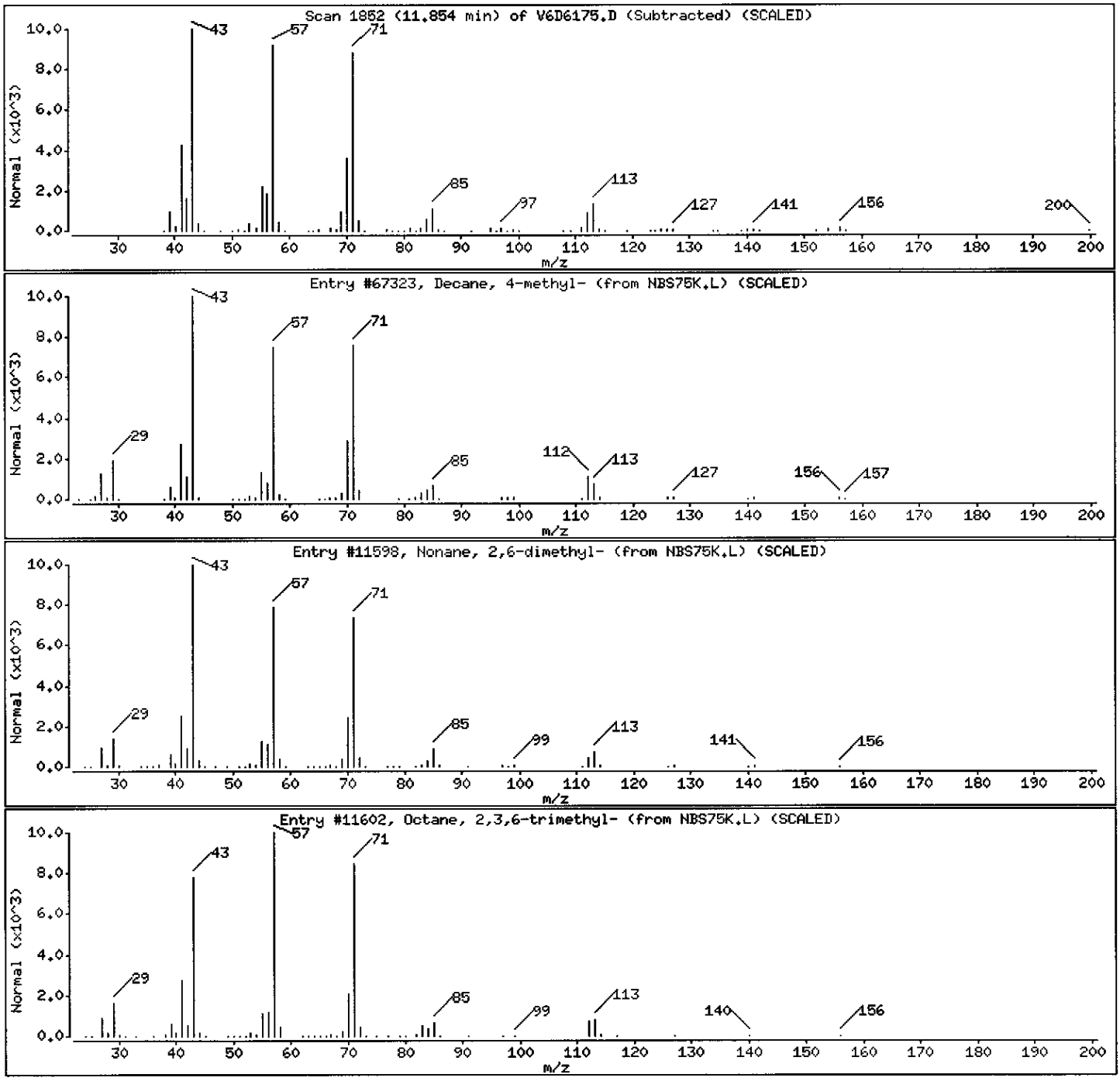
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Branched Alkane						
Decane, 4-methyl-	2847-72-5	NBS75K.L	67323	91	C11H24	156
Nonane, 2,6-dimethyl-	17302-28-2	NBS75K.L	11598	83	C11H24	156
Octane, 2,3,6-trimethyl-	62016-33-5	NBS75K.L	11602	78	C11H24	156



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Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

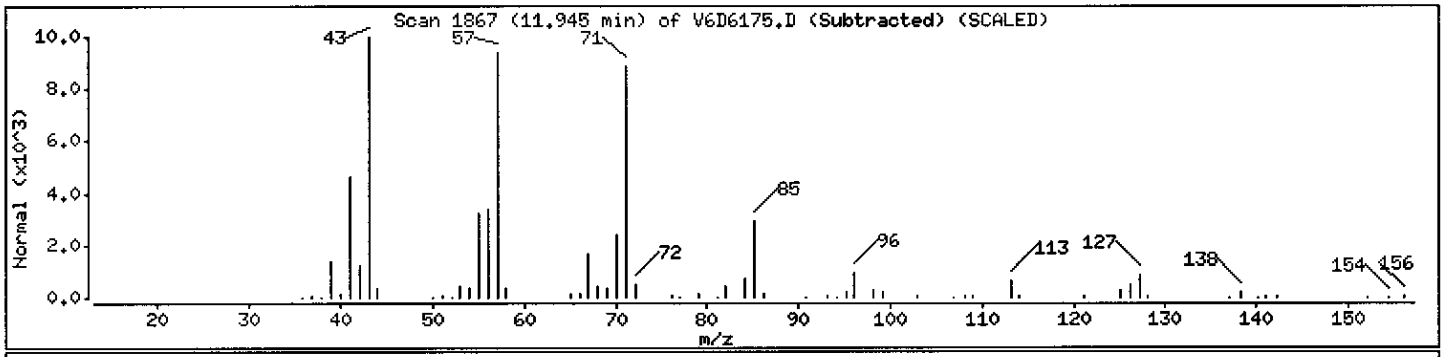
Sample Info: ,D0529-02ADL,18152,

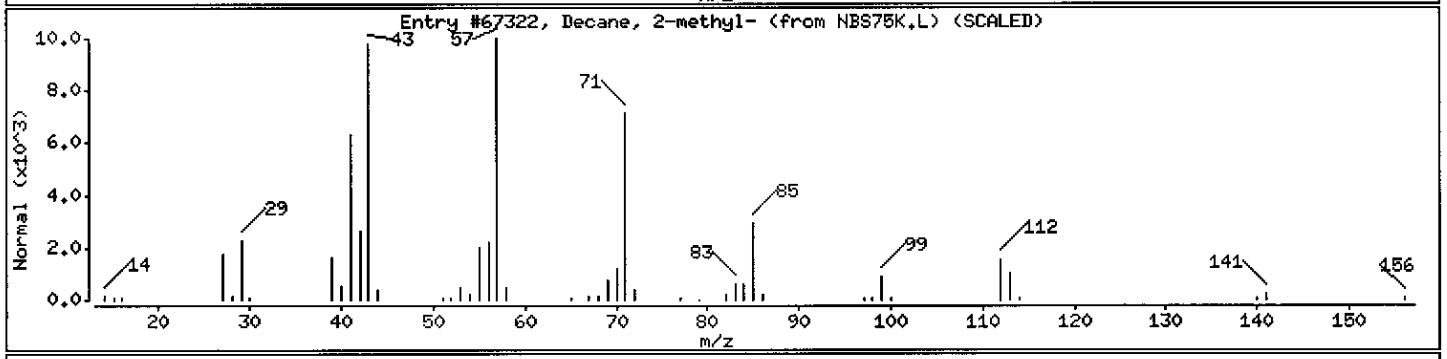
Operator: SB SRC: SB

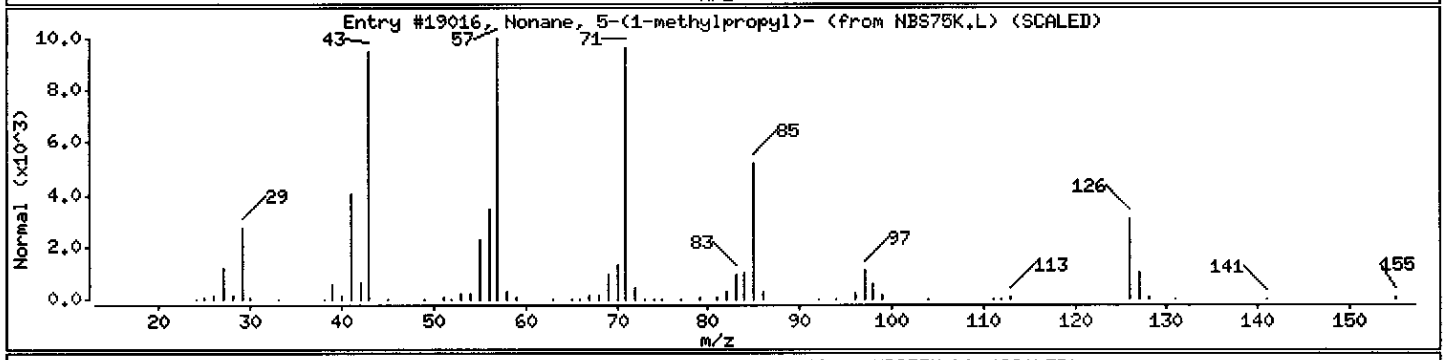
Column phase: DB-624

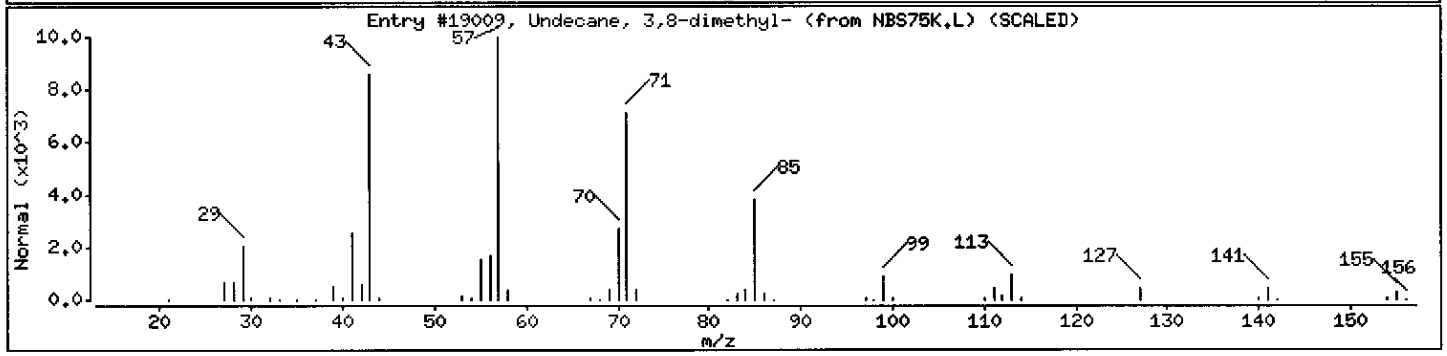
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Decane, 2-methyl-	6975-98-0	NBS75K.L	67322	72	C11H24	156
Nonane, 5-(1-methylpropyl)-	62185-54-0	NBS75K.L	19016	72	C13H28	184
Undecane, 3,8-dimethyl-	17301-30-3	NBS75K.L	19009	72	C13H28	184









Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

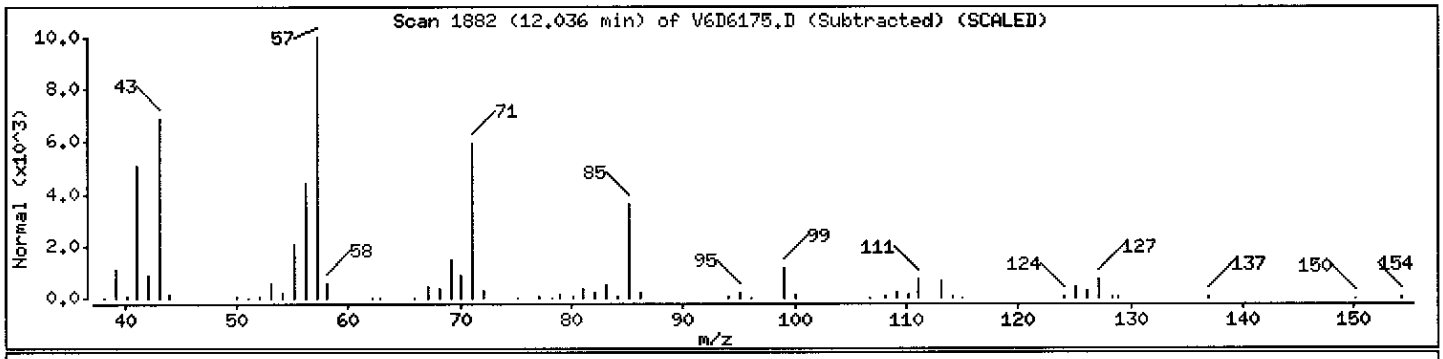
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

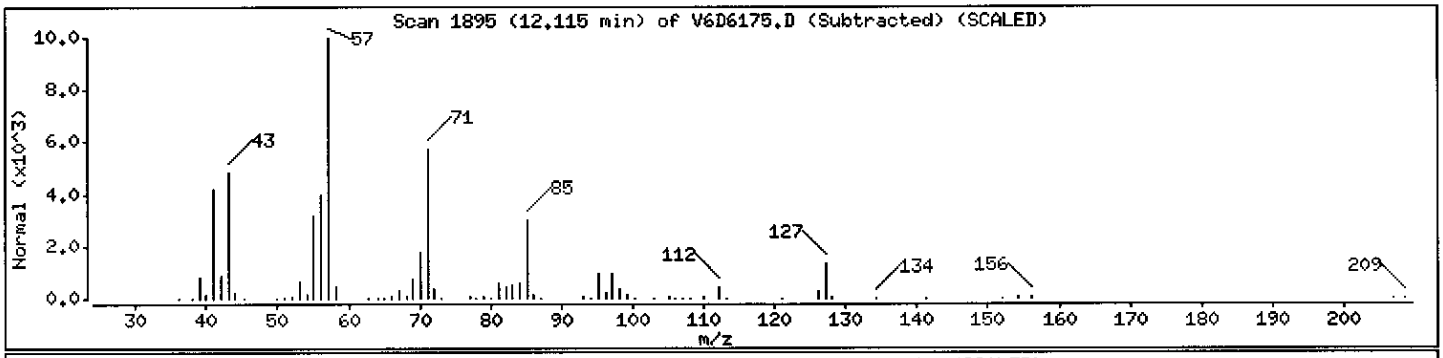
Sample Info: ,D0529-02ADL,18152,

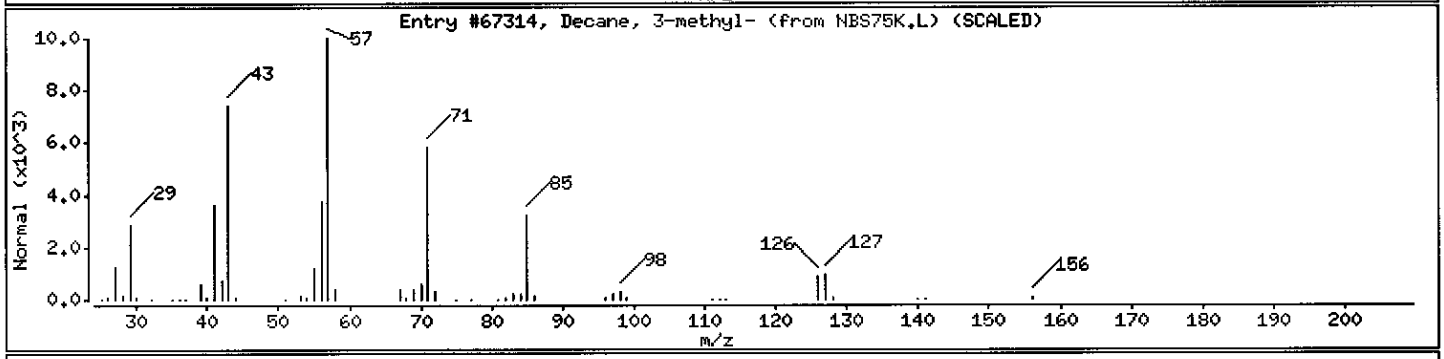
Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Decane, 3-methyl-	13151-34-3	NBS75K.L	67314	80	C11H24	156





Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

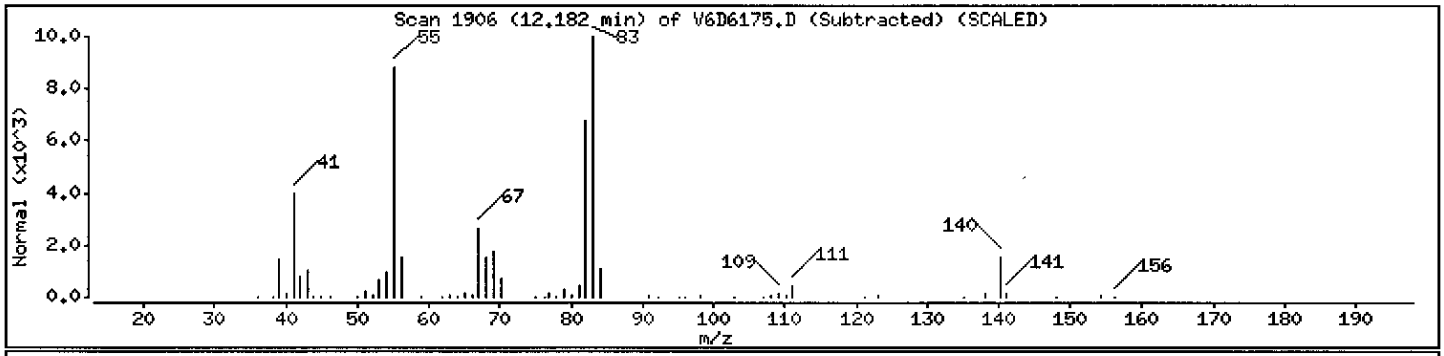
Sample Info: ,D0529-02ADL,18152,

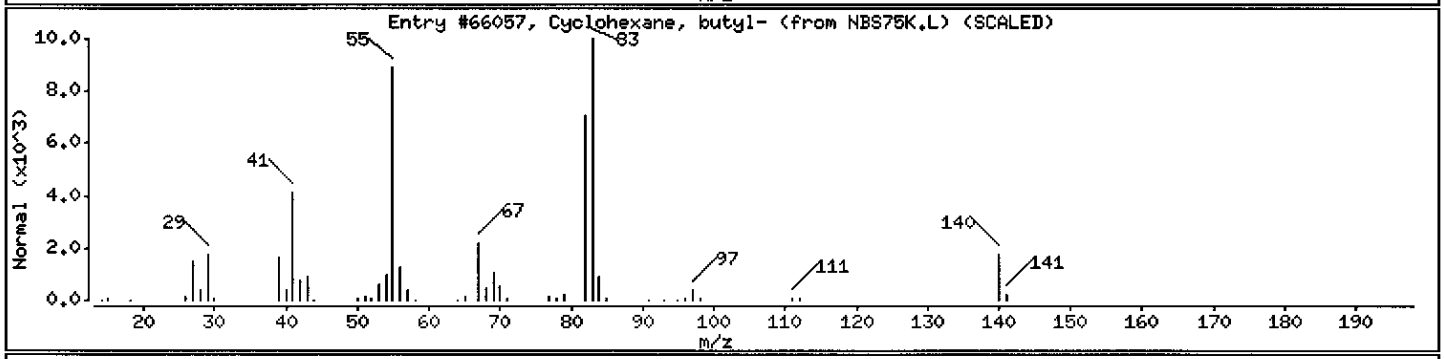
Operator: SB SRC: SB

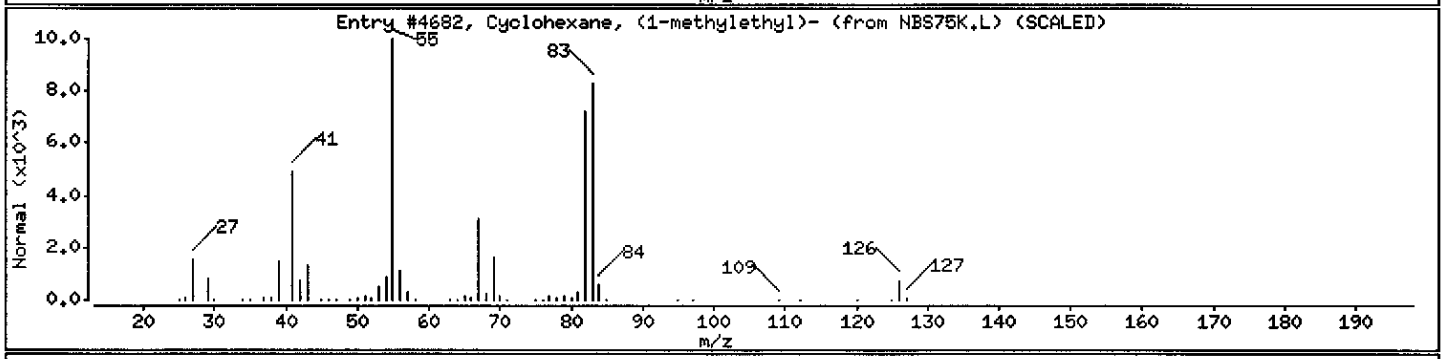
Column phase: DB-624

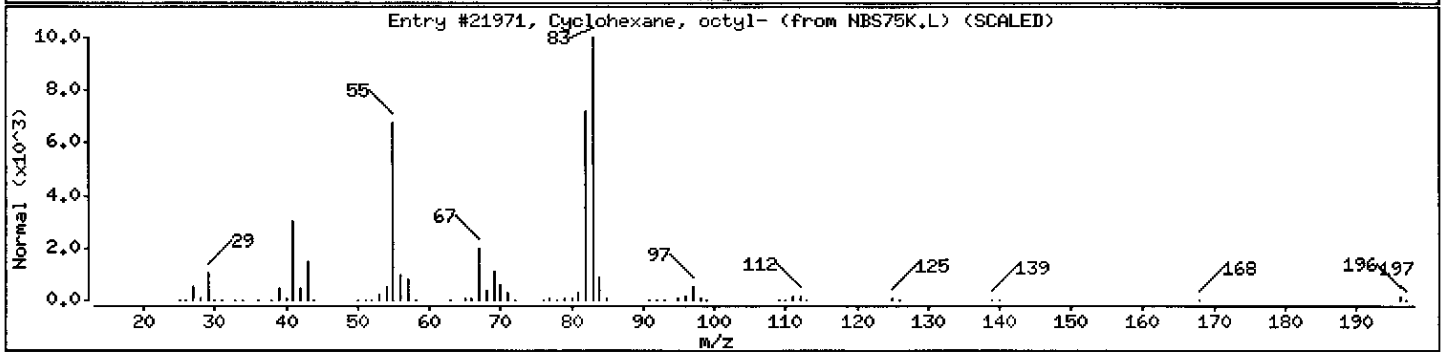
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclic Alkane						
Cyclohexane, butyl-	1678-93-9	NBS75K.L	66057	91	C10H20	140
Cyclohexane, (1-methylethyl)-	696-29-7	NBS75K.L	4682	80	C9H18	126
Cyclohexane, octyl-	1795-15-9	NBS75K.L	21971	78	C14H28	196









Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

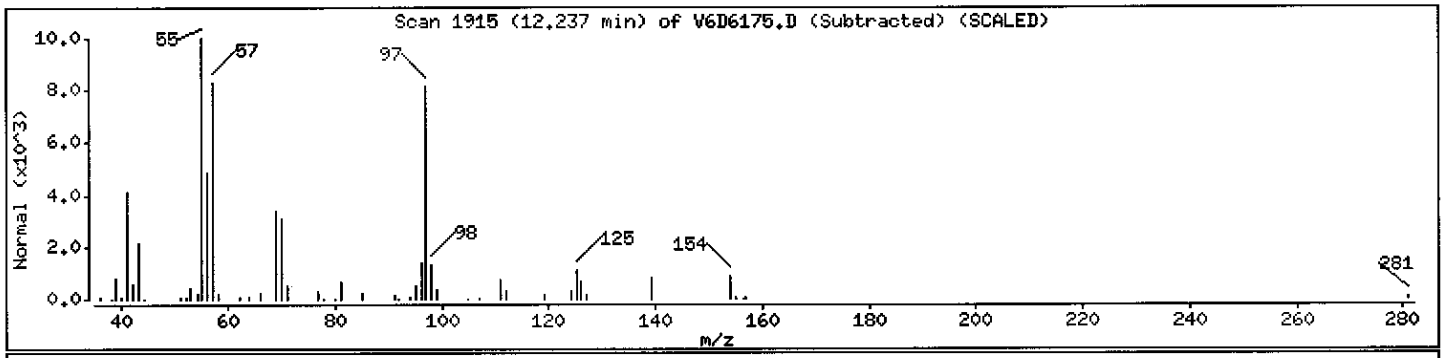
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

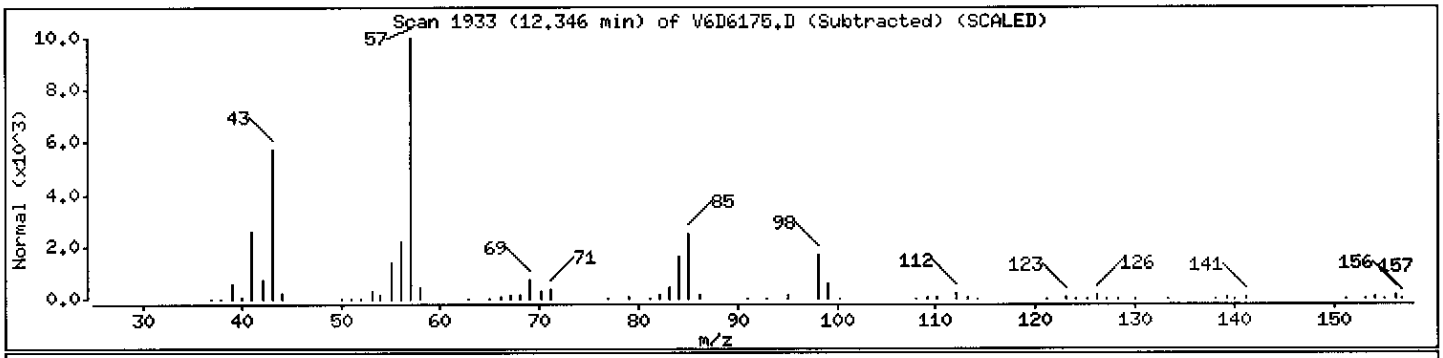
Sample Info: ,D0529-02ADL,18152,

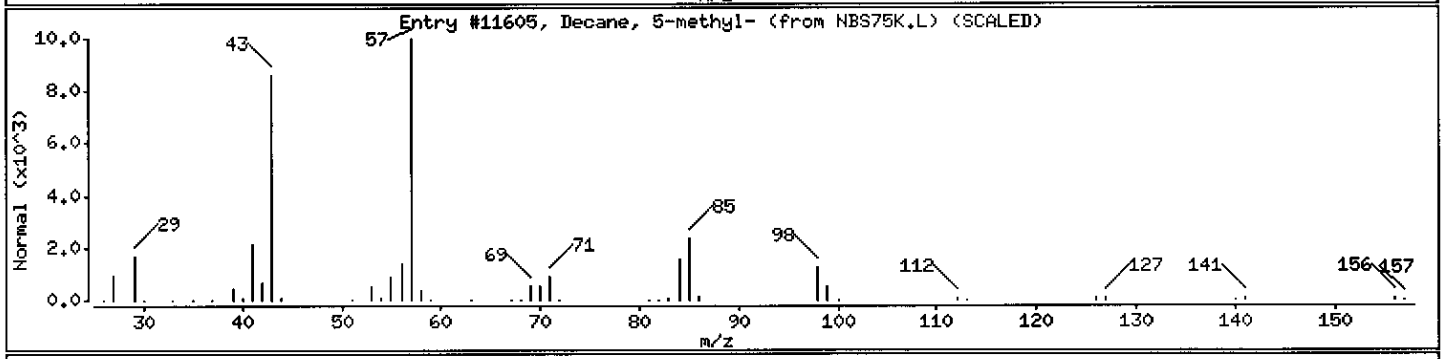
Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Decane, 5-methyl-	13151-35-4	NBS75K.L	11605	83	C11H24	156





Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

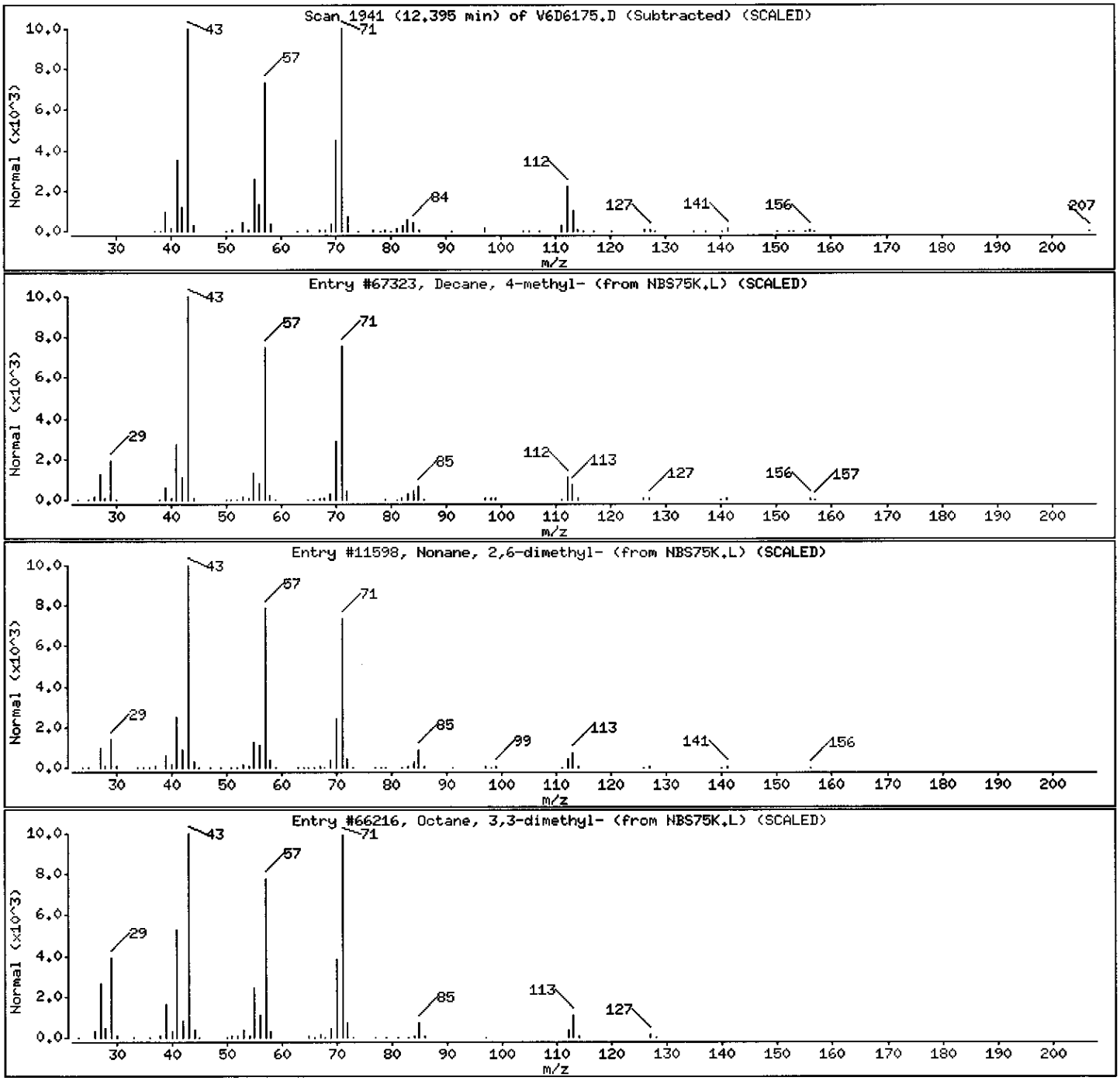
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Branched Alkane						
Decane, 4-methyl-	2847-72-5	NBS75K.L	67323	87	C11H24	156
Nonane, 2,6-dimethyl-	17302-28-2	NBS75K.L	11598	72	C11H24	156
Octane, 3,3-dimethyl-	4110-44-5	NBS75K.L	66216	72	C10H22	142



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

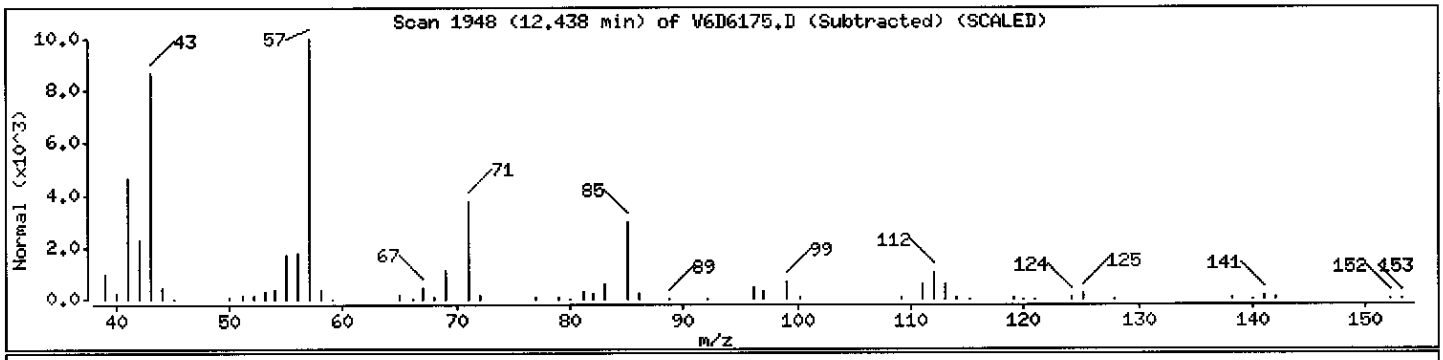
Sample Info: ,D0529-02ADL,10152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

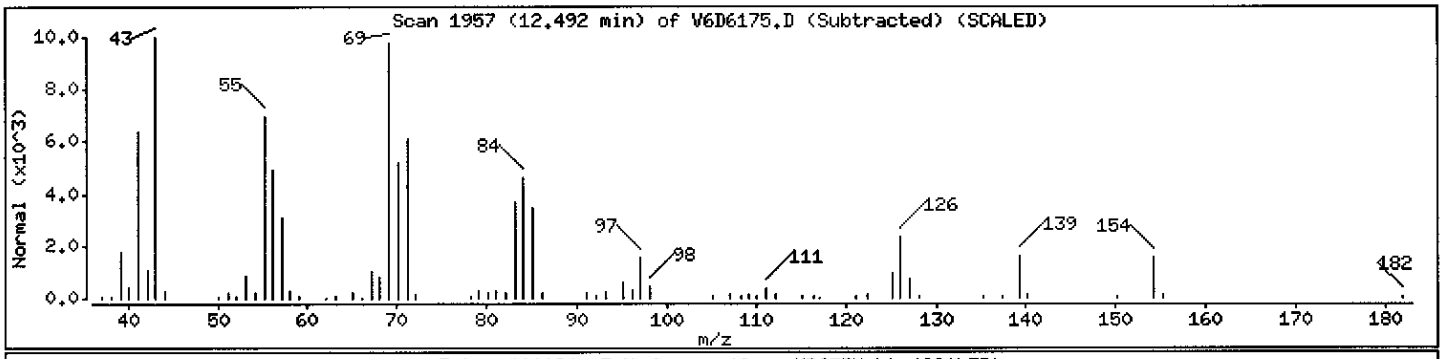
Sample Info: ,D0529-02ADL,18152,

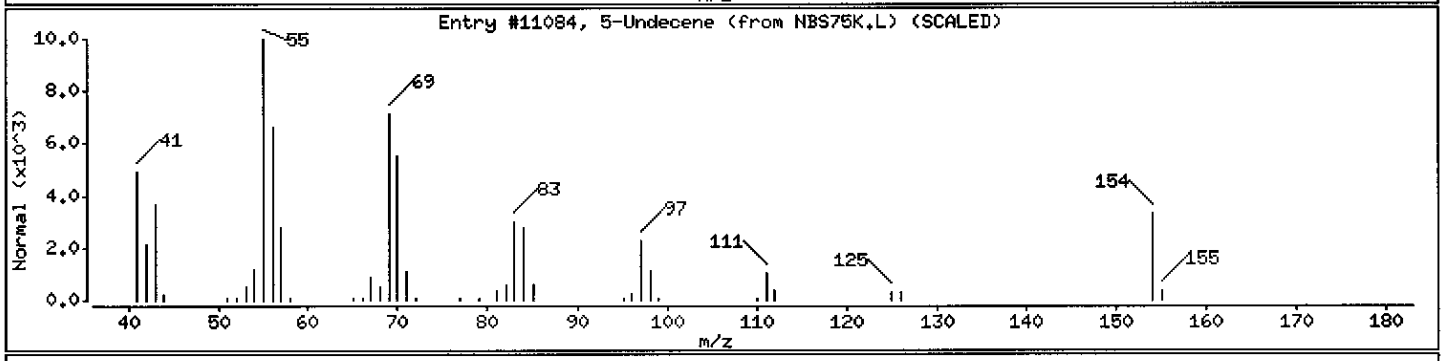
Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
5-Undecene	4941-53-1	NBS75K.L	11084	62	C11H22	154





Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

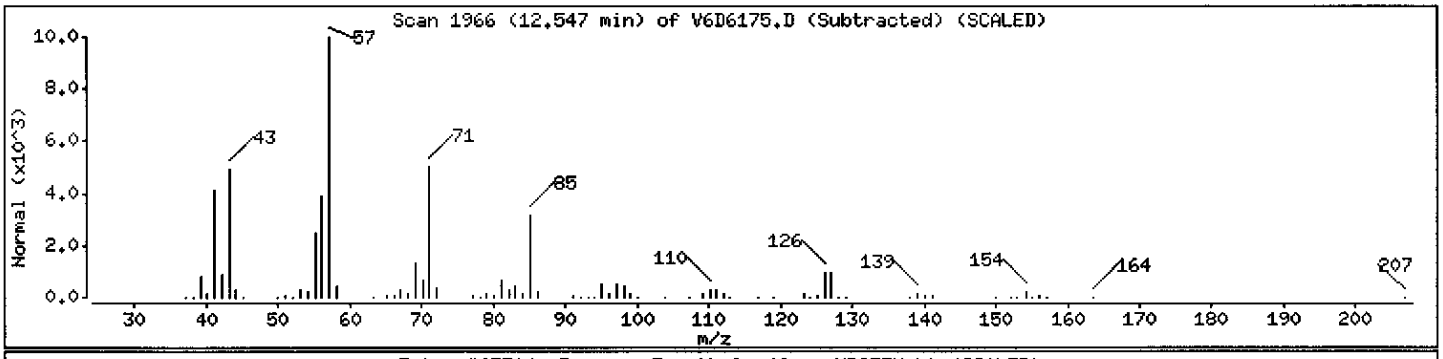
Sample Info: ,D0529-02ADL,18152,

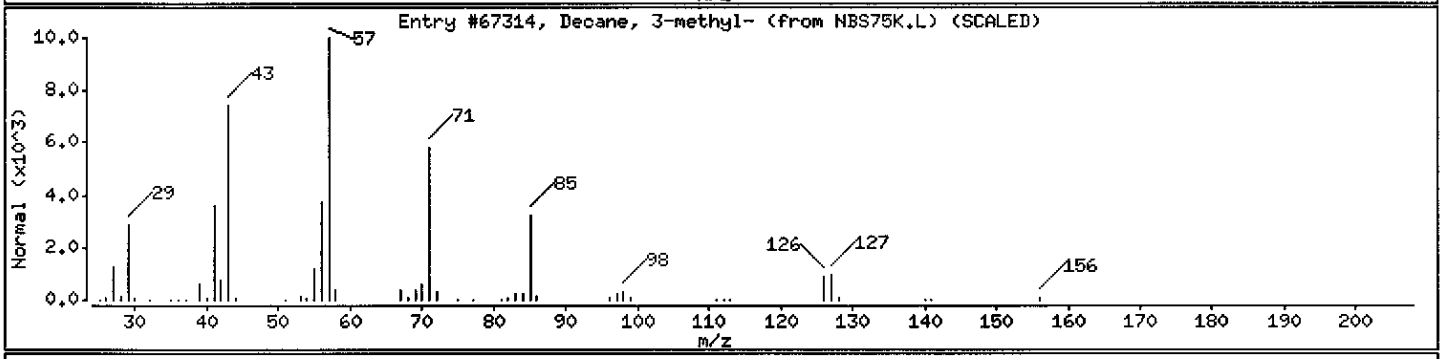
Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Branched Alkane						
Decane, 3-methyl-	13151-34-3	NBS75K.L	67314	90	C11H24	156





Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

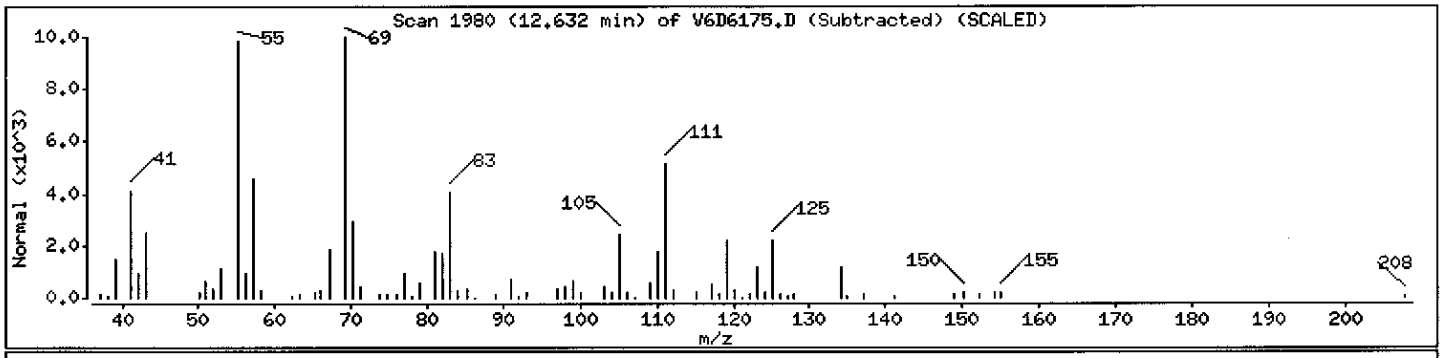
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

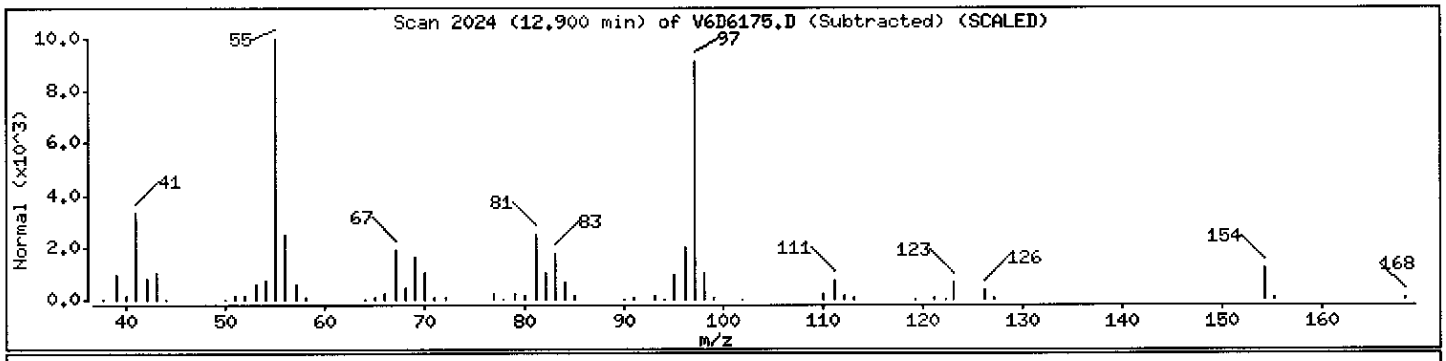
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

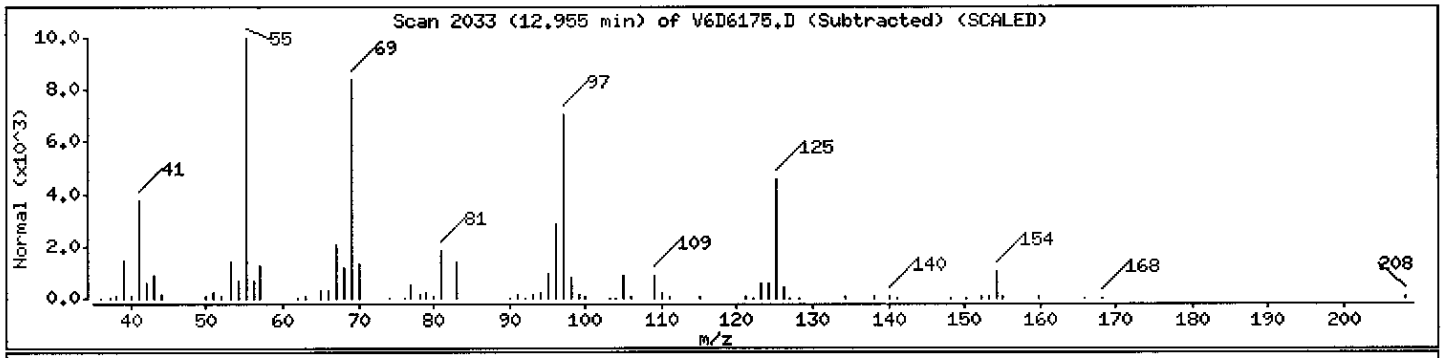
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

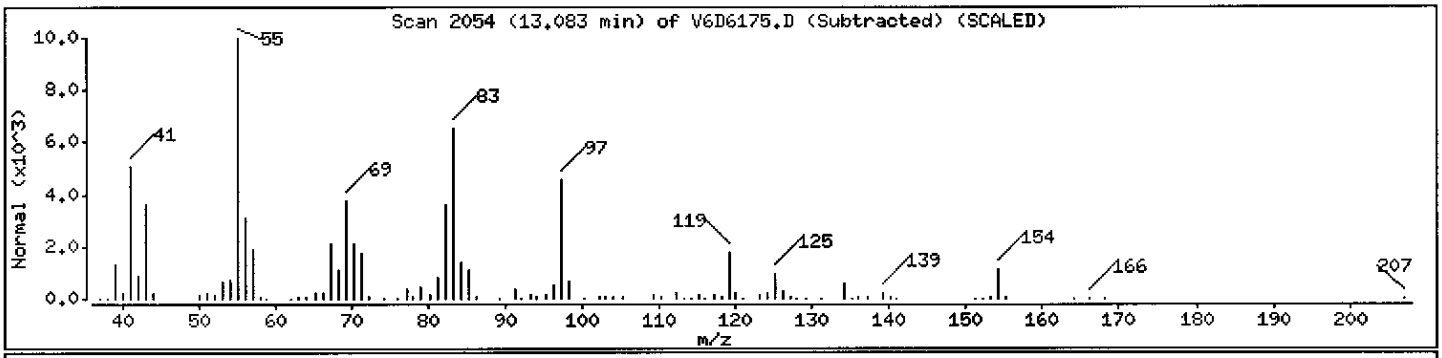
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

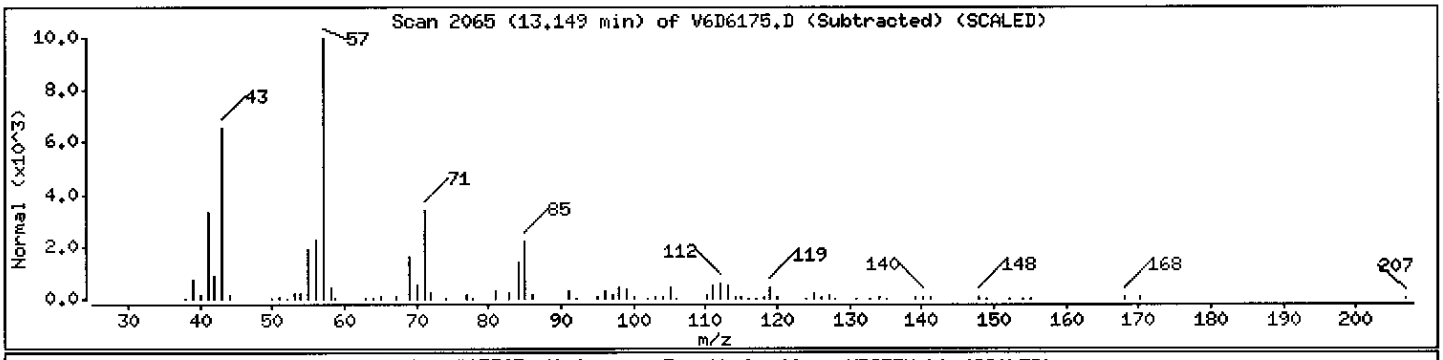
Sample Info: ,D0529-02ADL,18152,

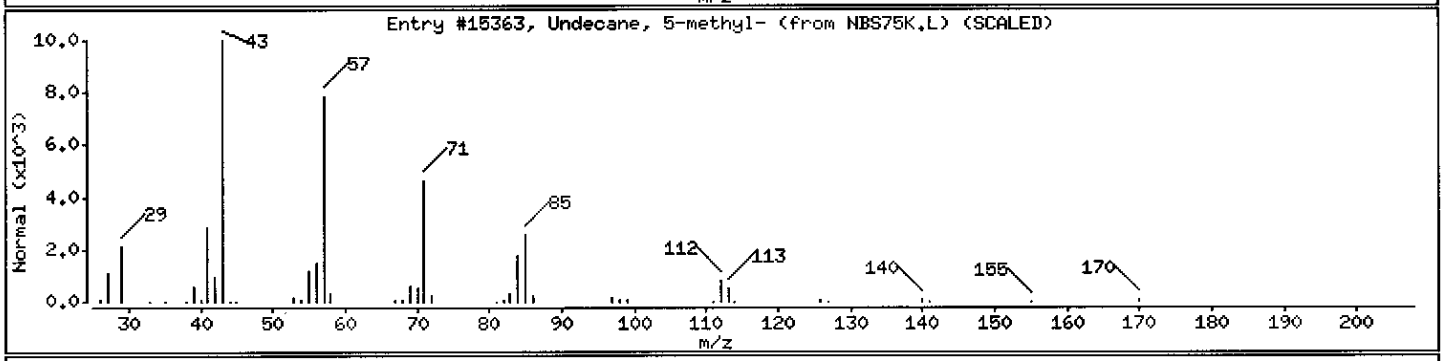
Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Undecane, 5-methyl-	1632-70-8	NBS75K.L	15363	70	C12H26	170





Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

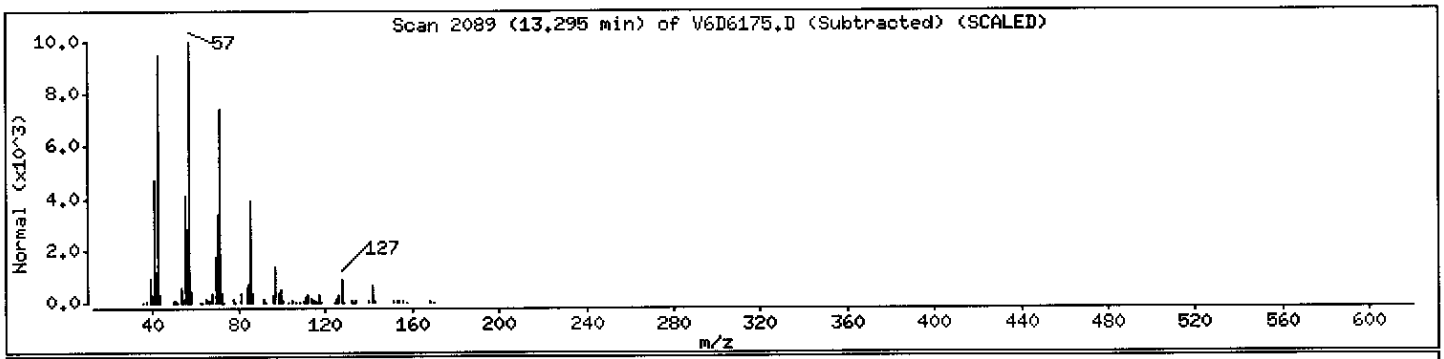
Sample Info: ,D0529-02ADL,18152,

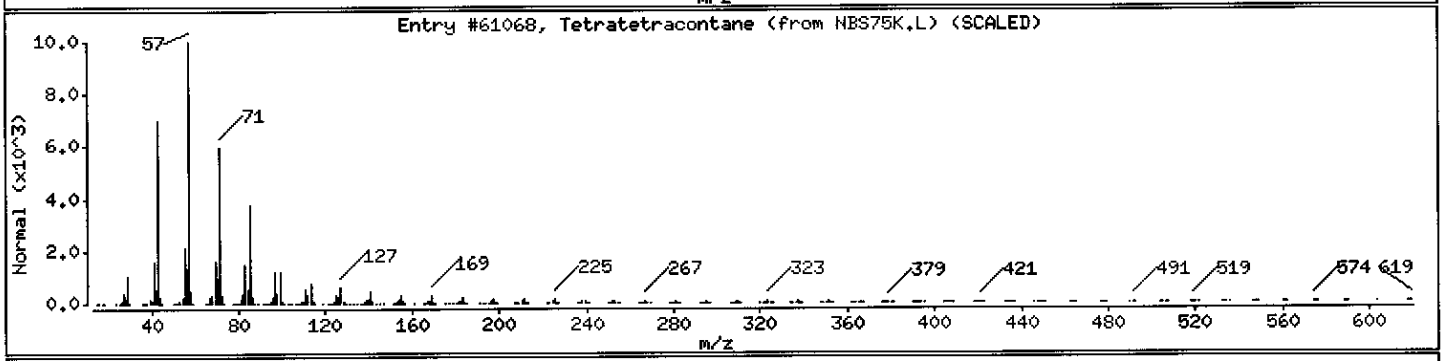
Operator: SB SRC: SB

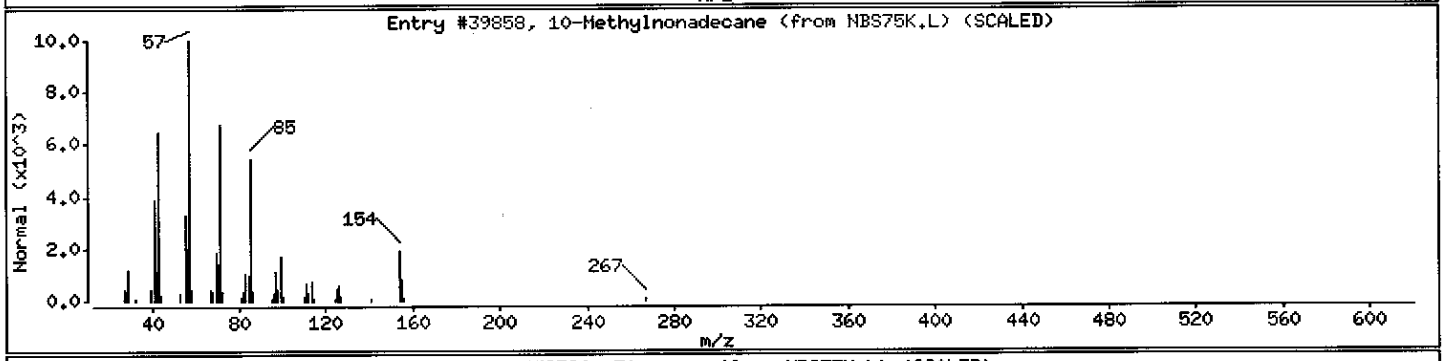
Column phase: DB-624

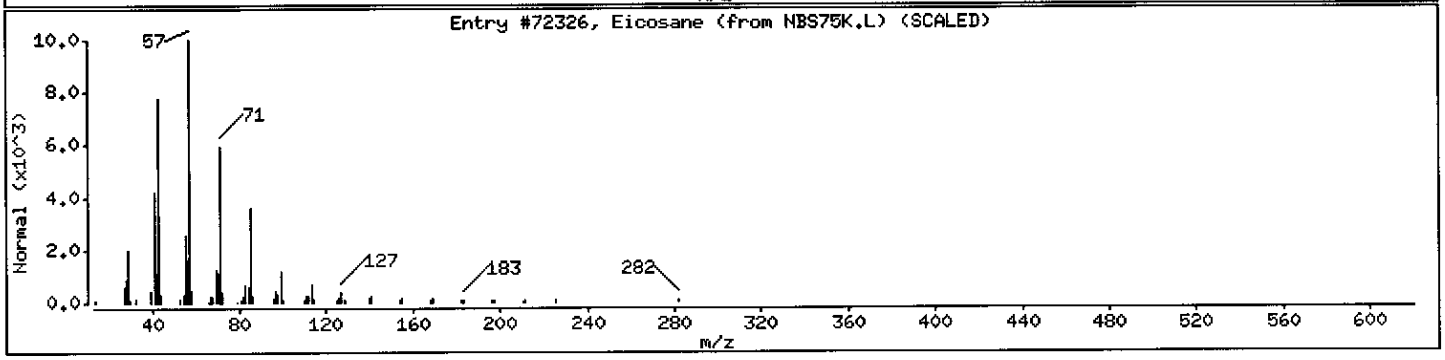
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Tetratetracontane	7098-22-8	NBS75K.L	61068	72	C44H90	619
10-Methylnonadecane	0-00-0	NBS75K.L	39858	64	C20H42	282
Eicosane	112-95-8	NBS75K.L	72326	64	C20H42	282









Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

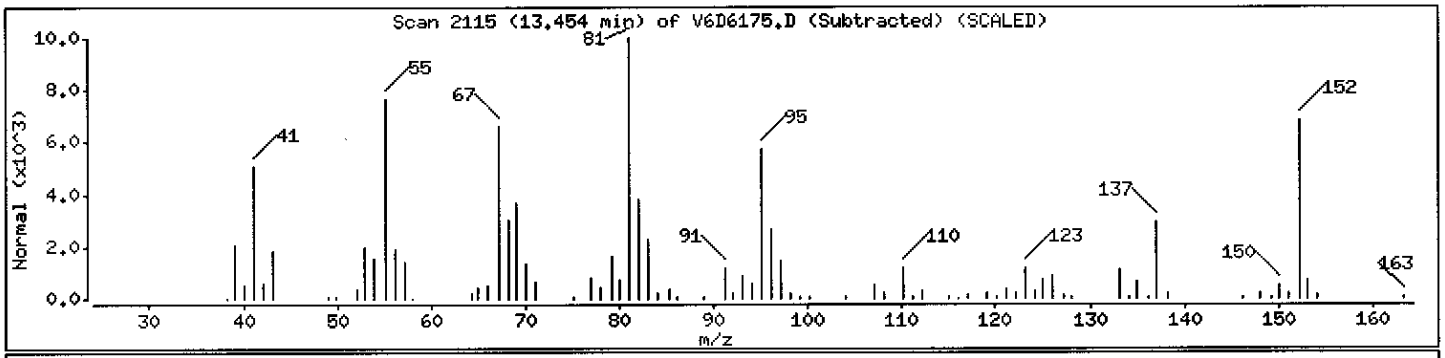
Sample Info: ,D0529-02ADL,18152,

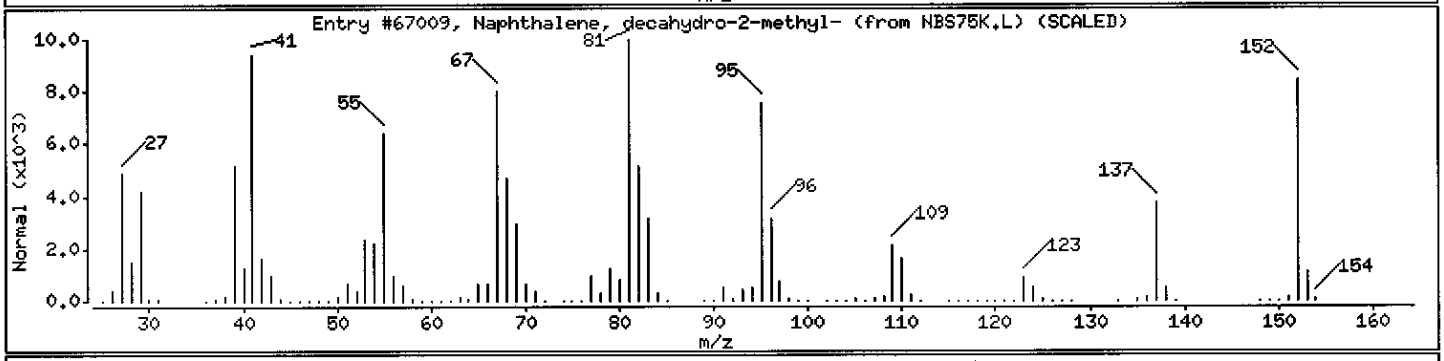
Operator: SB SRC: SB

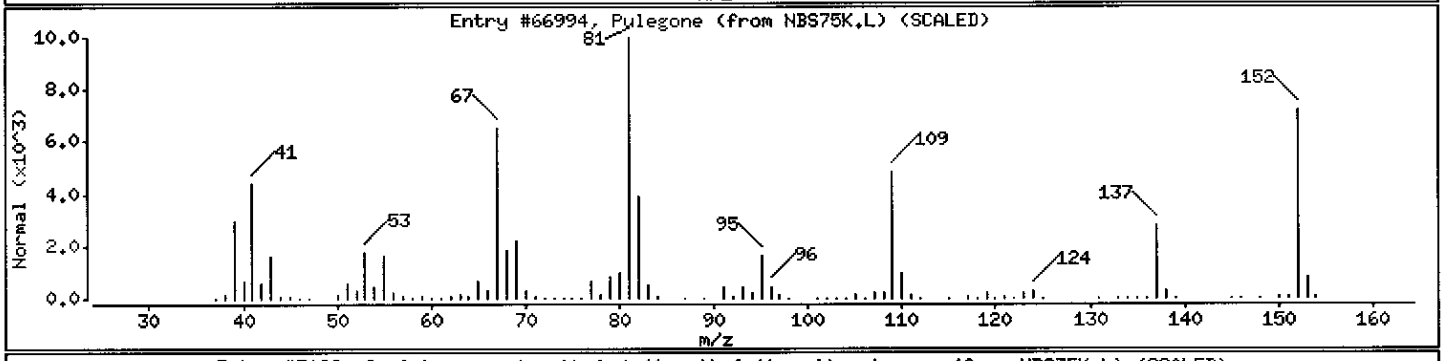
Column phase: DB-624

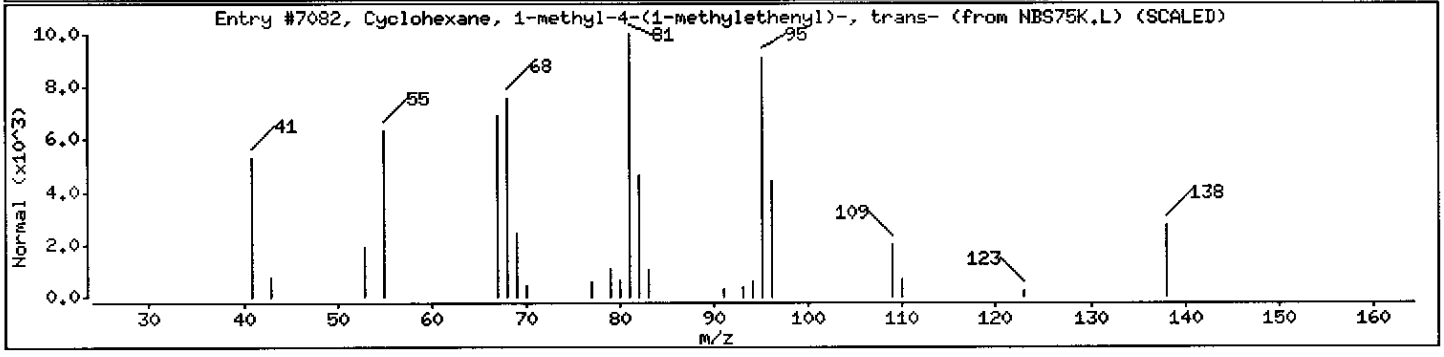
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, decahydro-2-methyl-	2958-76-1	NBS75K.L	67009	97	C11H20	152
Pulegone	89-82-7	NBS75K.L	66994	93	C10H16O	152
Cyclohexane, 1-methyl-4-(1-methylethenyl	1124-25-0	NBS75K.L	7082	86	C10H18	138









Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

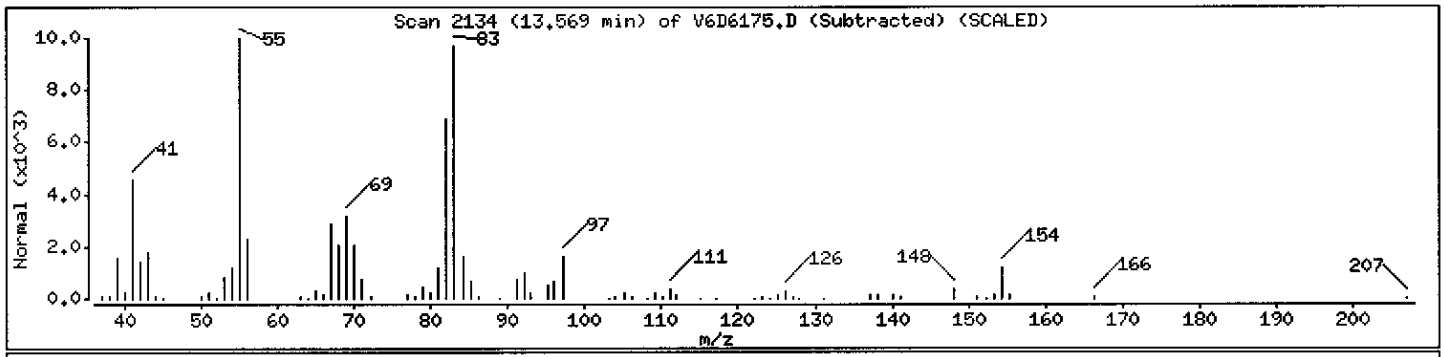
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6175.D

Date : 17-MAY-2005 13:31

Client ID: B-330DL

Instrument: V6.i

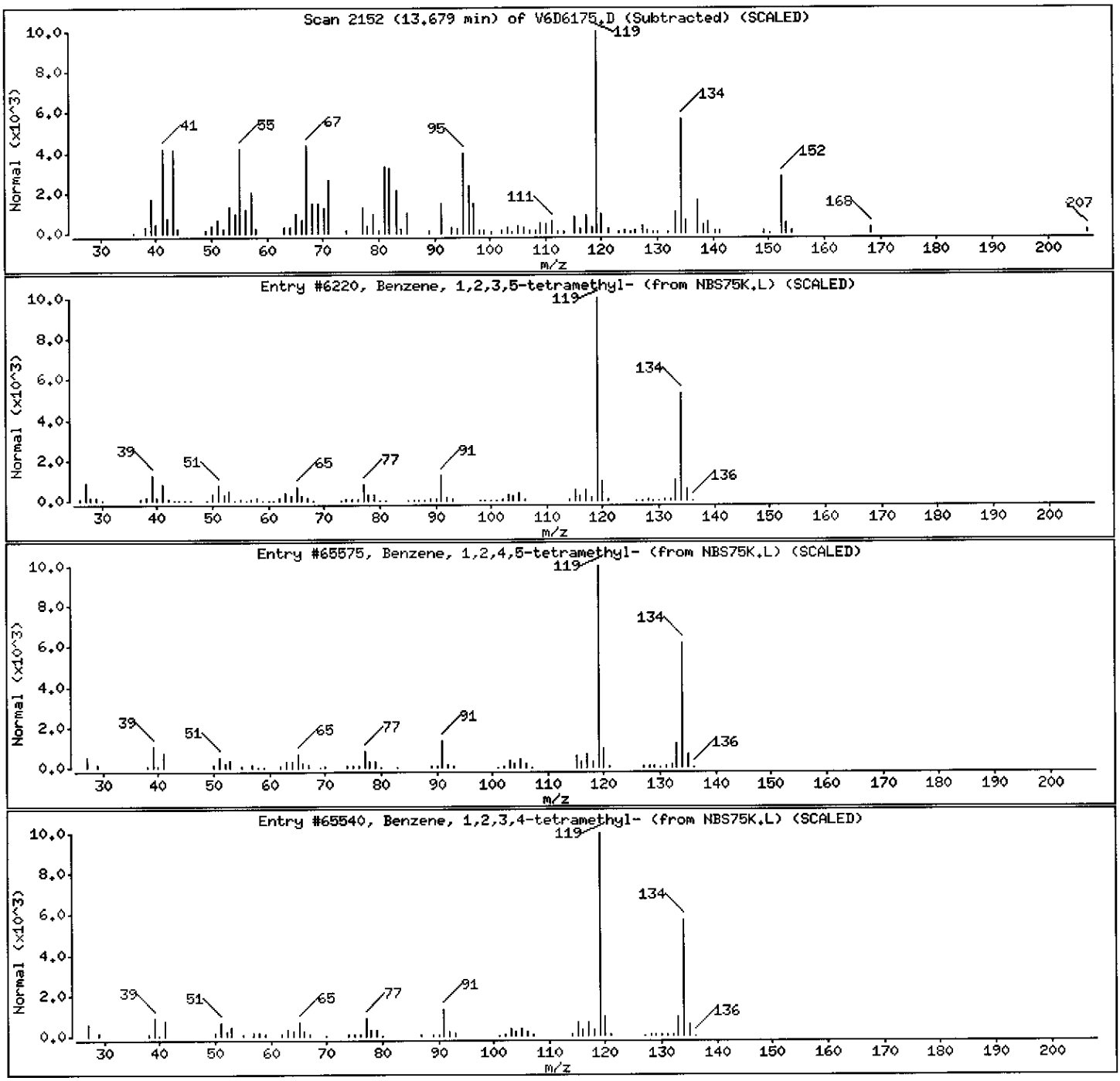
Sample Info: ,D0529-02ADL,18152,

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3,5-tetramethyl-	527-53-7	NBS75K.L	6220	89	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NBS75K.L	65575	87	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NBS75K.L	65540	86	C10H14	134



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01C

Sample wt/vol: 5.1(g/mL) G Lab File ID: V5F9951

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	12	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	4	J
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	1	J
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	12	U
107-06-2	1,2-Dichloroethane	12	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01C

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5F9951

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	5	J
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	12	U
591-78-6	2-Hexanone	1200	E
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (Total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-390

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01C

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5F9951

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
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19.					
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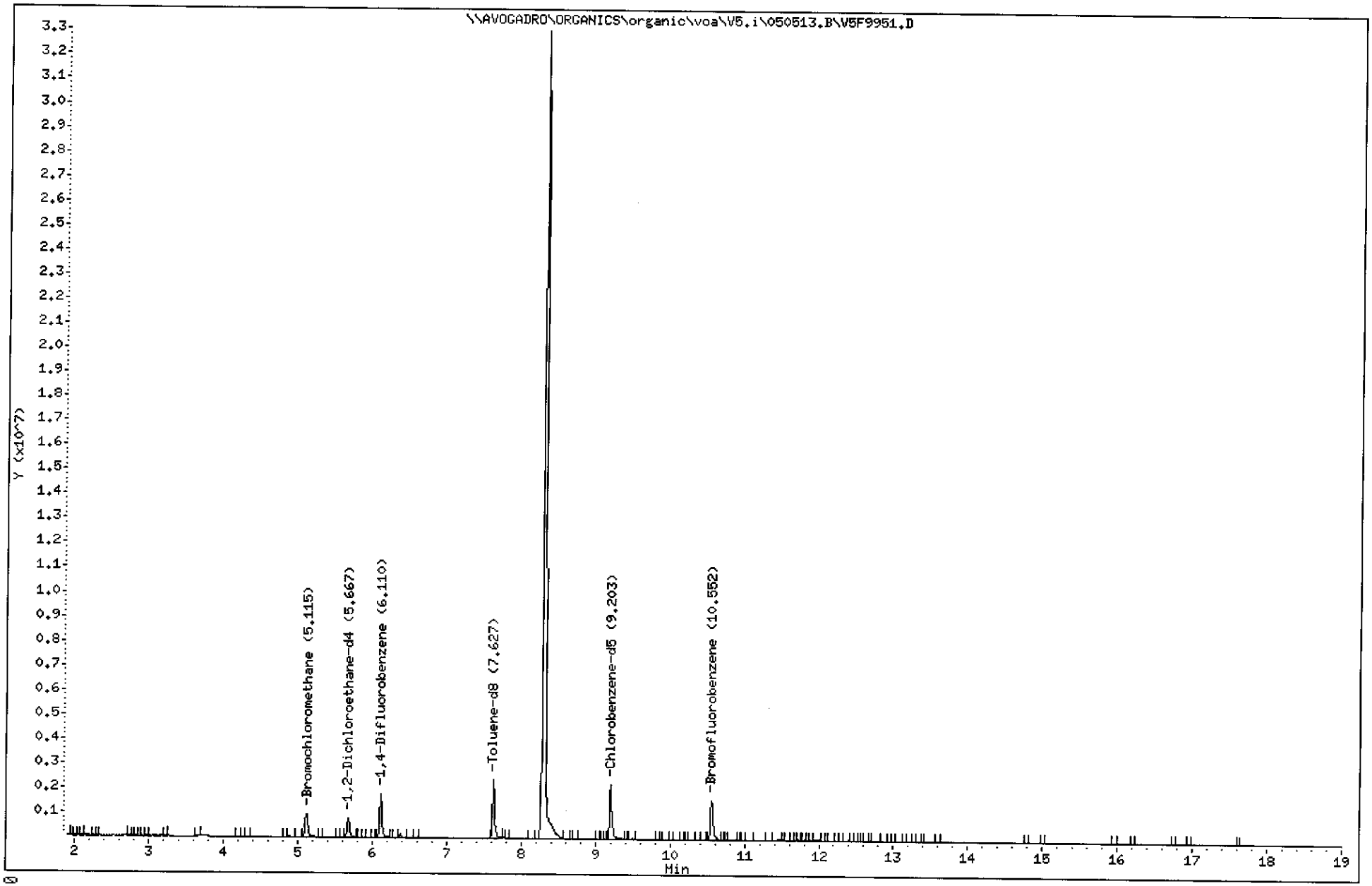
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9951.D
Date : 13-MAY-2005 15:46
Client ID: B-390
Sample Info: ,D0529-01C,,18114

Instrument: v5.i

Operator: JC SRC: LIMS
Column diameter: 0.25

Column phase: DB-624



0131

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9951.D
Report Date: 25-May-2005 10:48

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9951.D
Lab Smp Id: D0529-01C
Client Smp ID: B-390
Inj Date : 13-MAY-2005 15:46
Operator : JC SRC: LIMS
Inst ID: v5.i
Smp Info : ,D0529-01C,,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 25-May-2005 10:43 mtl
Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09
Cal File: V5F9941.D ✓
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.100 ✓	Weight of sample (g)
M	17.000	% Moisture (not decanted)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	12 Methylene Chloride	84	3.658	3.645	(0.715)	35302	2.97295	4(a)
	17 cis-1,2-Dichloroethene	96	4.879	4.876	(0.954)	14228	1.13417	1(a)
*	18 Bromochloromethane	128	5.115	5.112	(1.000)	355616	50.0000	
$	23 1,2-Dichloroethane-d4	65	5.667	5.674	(1.108)	708680	48.4089	57
*	26 1,4-Difluorobenzene	114	6.110	6.107	(1.000)	1759581	50.0000	
	27 Trichloroethene	130	6.376	6.373	(1.044)	53100	4.04175	5(a)
$	33 Toluene-d8	98	7.627	7.624	(0.829)	1891968	47.9467	57
	37 Tetrachloroethene	164	8.297	8.294	(0.902)	10860429	1031.83	1200(A)
*	42 Chlorobenzene-d5	117	9.203	9.200	(1.000)	1628523	50.0000	
$	50 Bromofluorobenzene	95	10.552	10.549	(1.147)	804614	49.8124	59

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SB 5/25/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9951.D
Report Date: 25-May-2005 10:48

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9951.D
Report Date: 25-May-2005 10:48

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9951.D
Lab Smp Id: D0529-01C Client Smp ID: B-390
Inj Date : 13-MAY-2005 15:46
Operator : JC SRC: LIMS Inst ID: v5.i
Smp Info : ,D0529-01C,,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 25-May-2005 10:43 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9951.D

Date : 13-MAY-2005 15:46

Client ID: B-390

Instrument: v5.i

Sample Info: ,D0529-01C,,18114

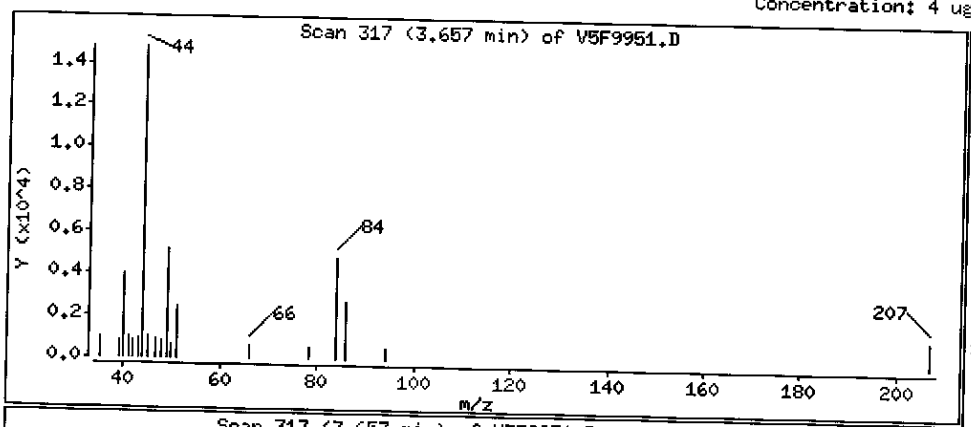
Operator: JC SRC: LIMS

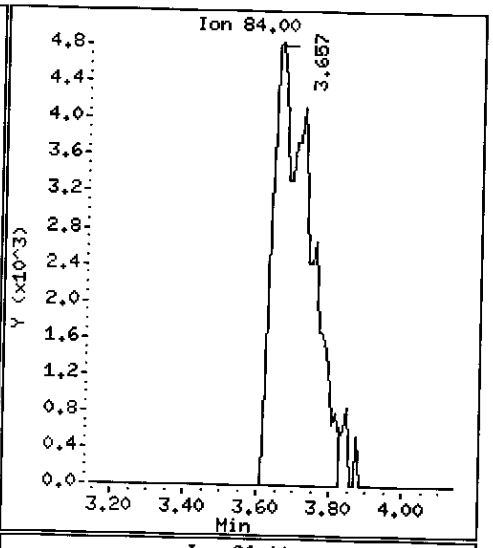
Column phase: DB-624

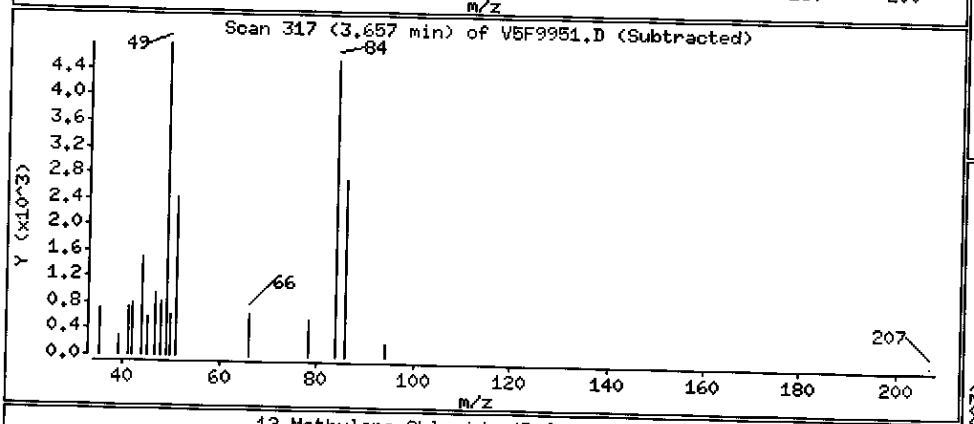
Column diameter: 0.25

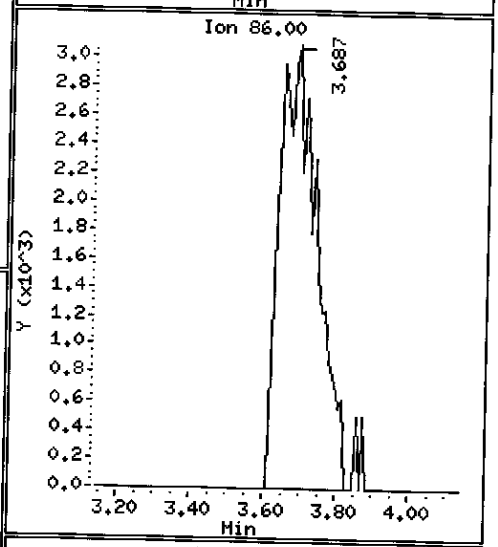
12 Methylene Chloride

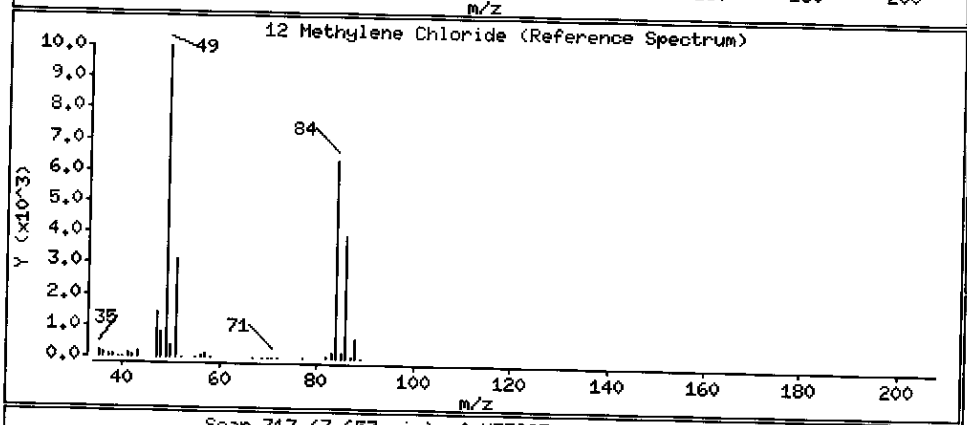
Concentration: 4 ug/Kg

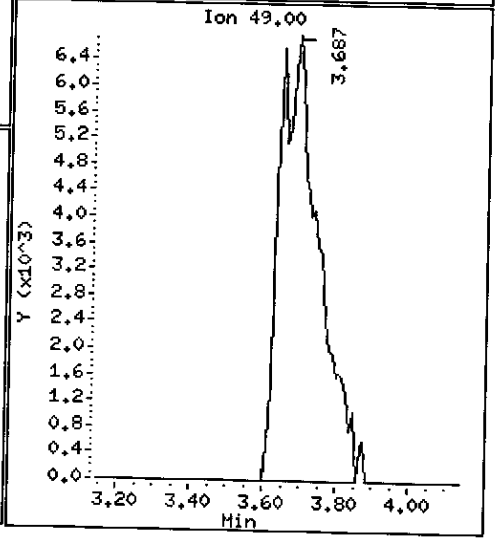


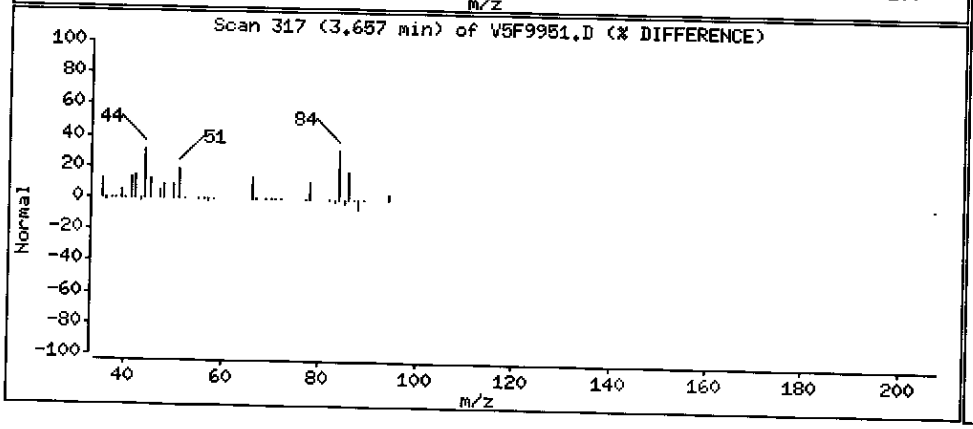












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9951.D

Date : 13-MAY-2005 15:46

Client ID: B-390

Instrument: v5.i

Sample Info: ,D0529-01C,,18114

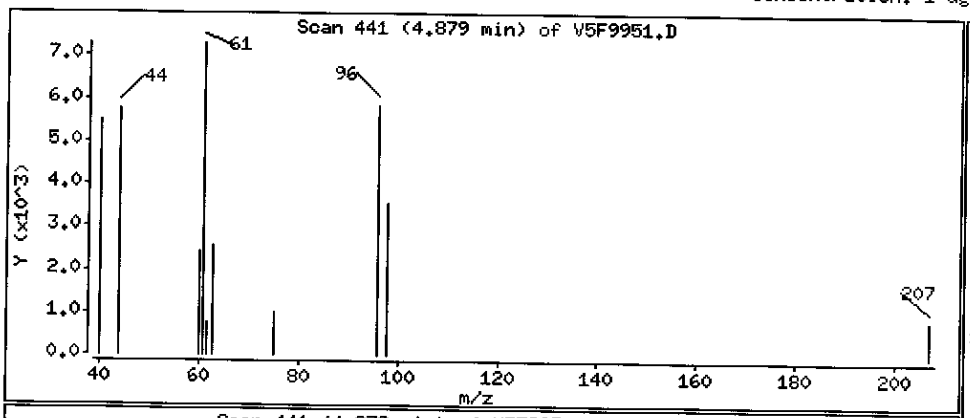
Operator: JC SRC: LIMS

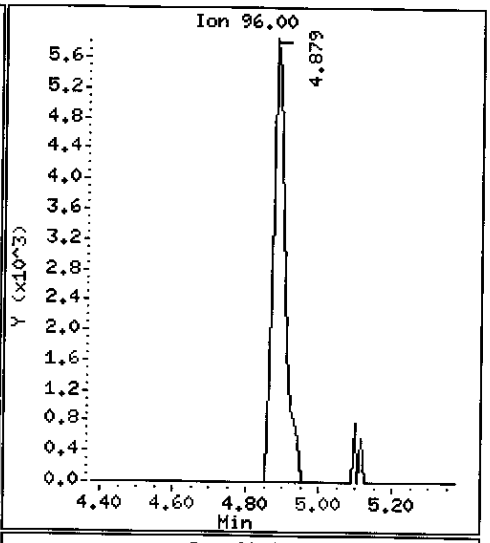
Column phase: DB-624

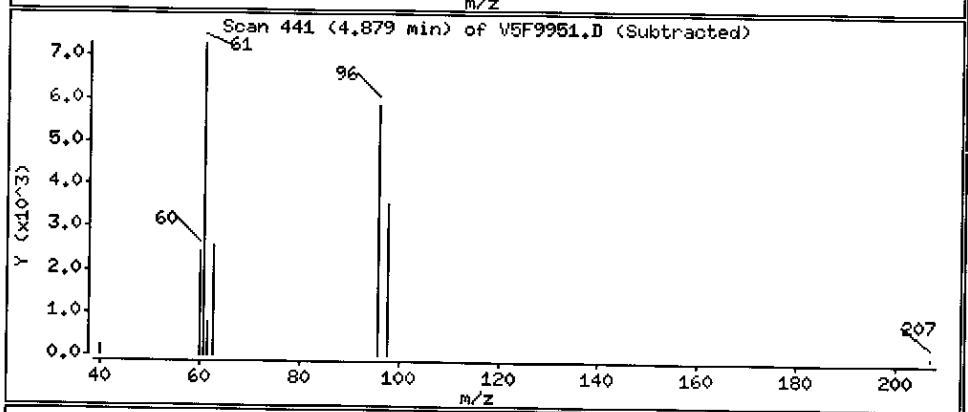
Column diameter: 0.25

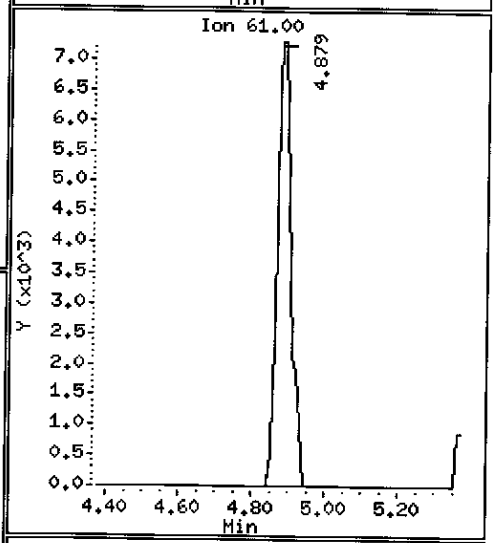
17 cis-1,2-Dichloroethene

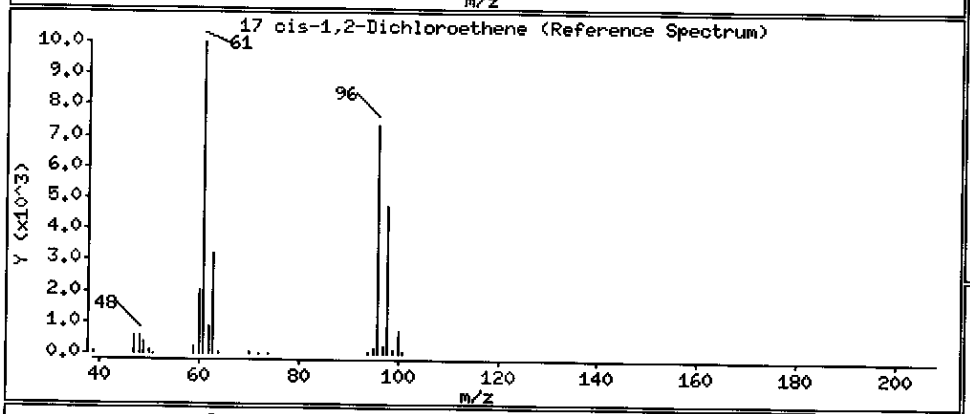
Concentration: 1 ug/Kg

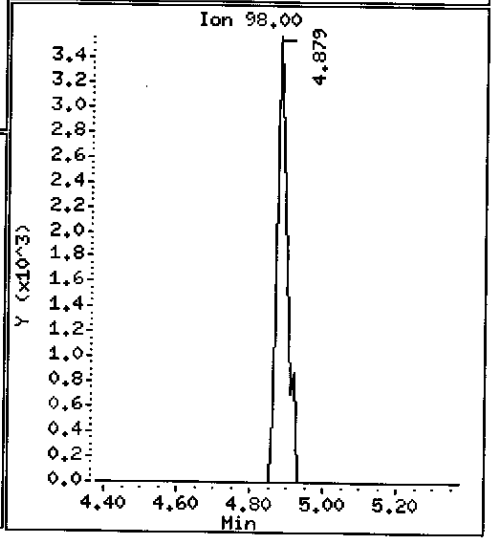


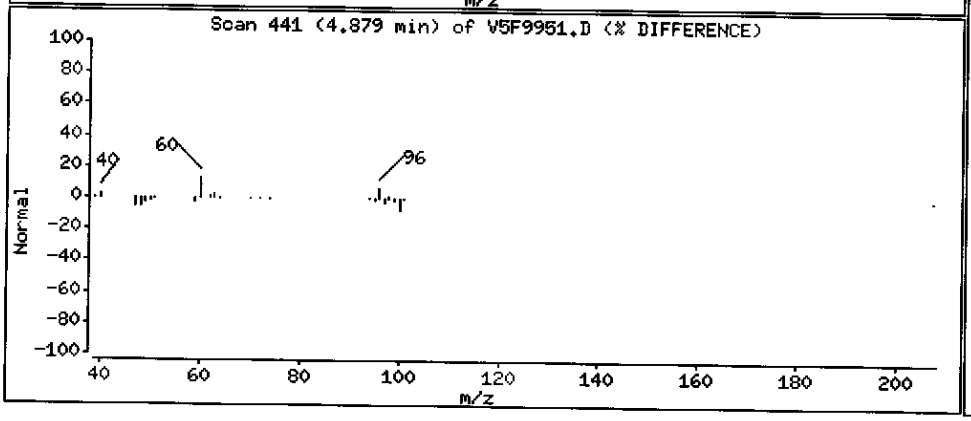












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9951.D

Date : 13-MAY-2005 15:46

Client ID: B-390

Instrument: v5.i

Sample Info: ,D0529-01C,,18114

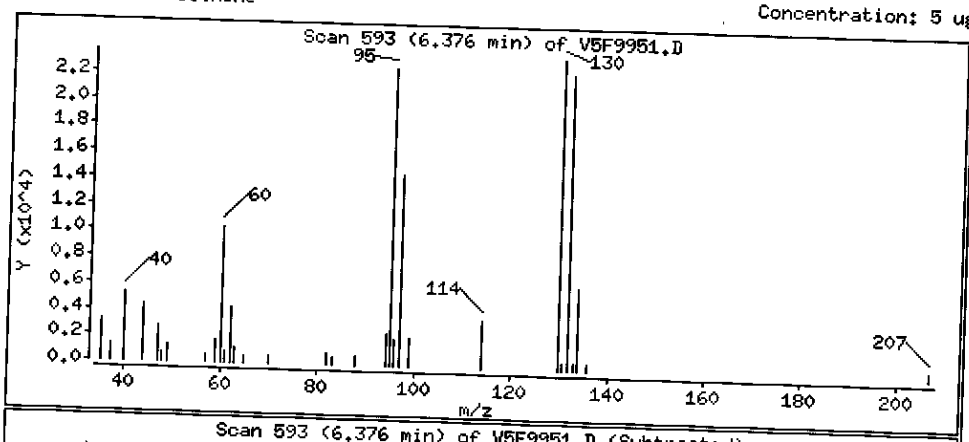
Operator: JC SRC: LIMS

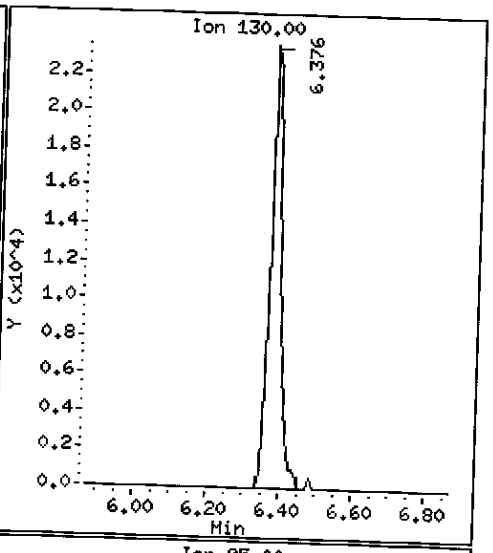
Column phase: DB-624

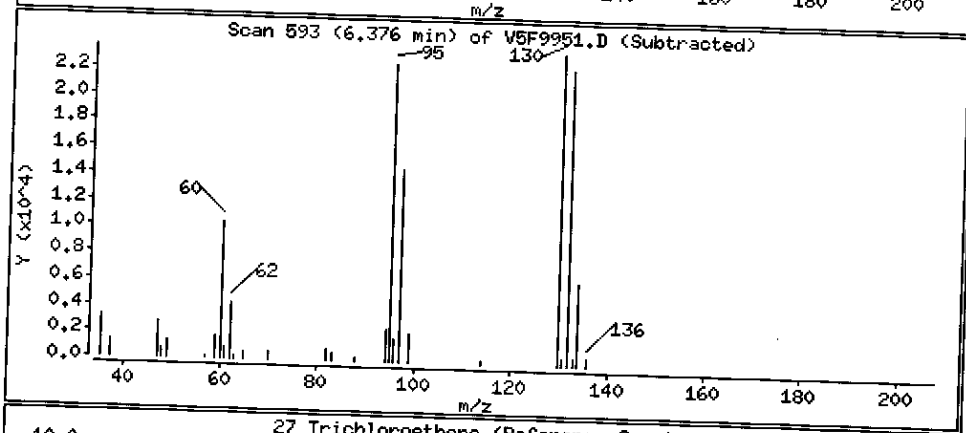
Column diameter: 0.25

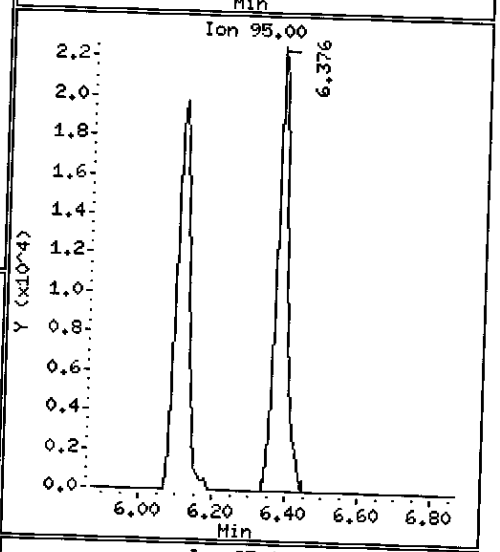
27 Trichloroethene

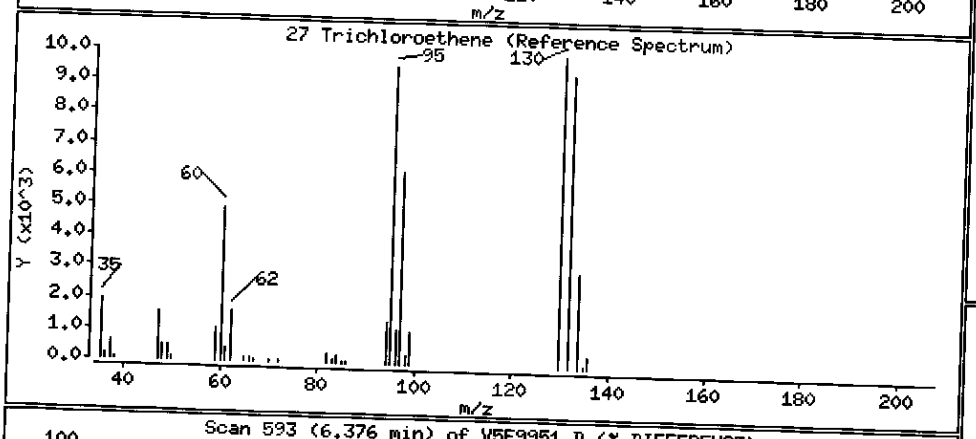
Concentration: 5 ug/Kg

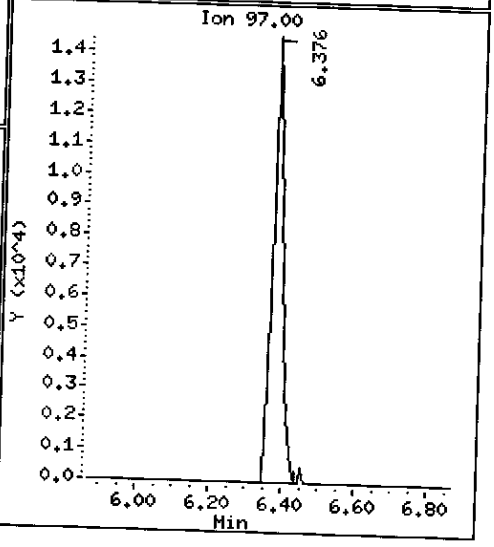


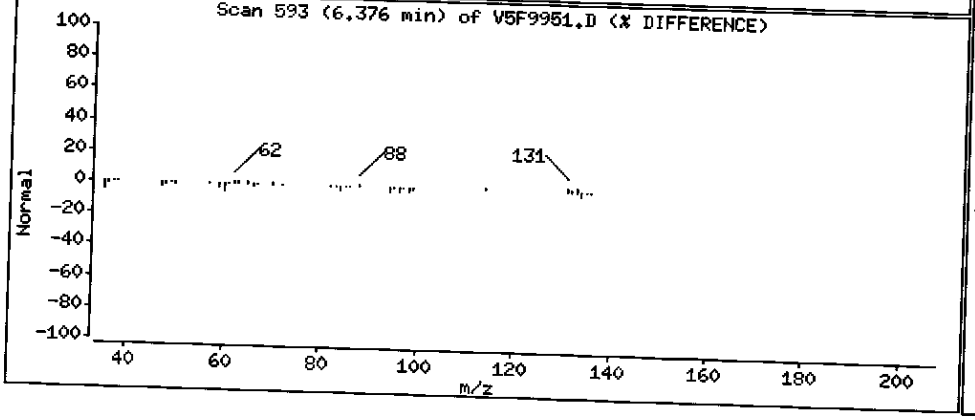












Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9951.D

Date : 13-MAY-2005 15:46

Client ID: B-390

Instrument: v5.i

Sample Info: ,D0529-01C,,18114

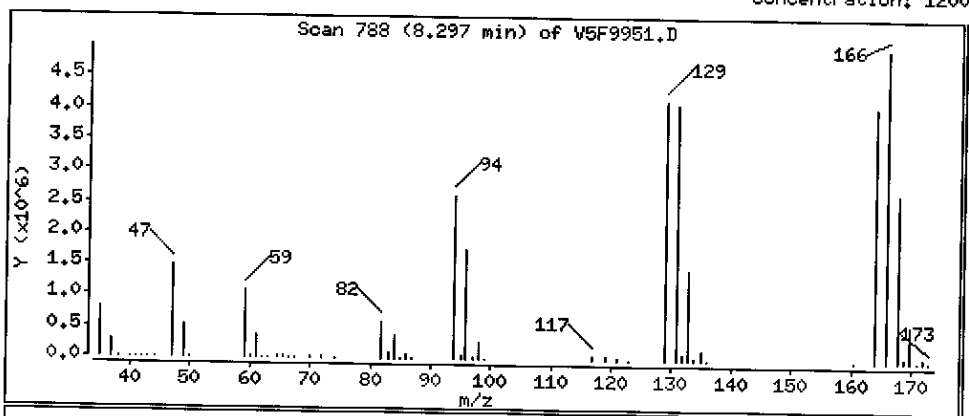
Operator: JC SRC: LIMS

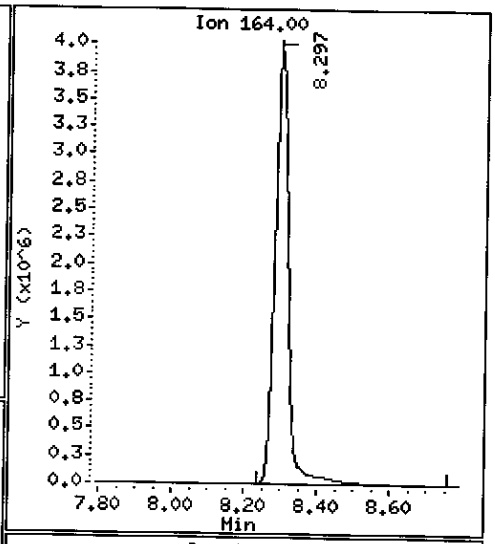
Column phase: DB-624

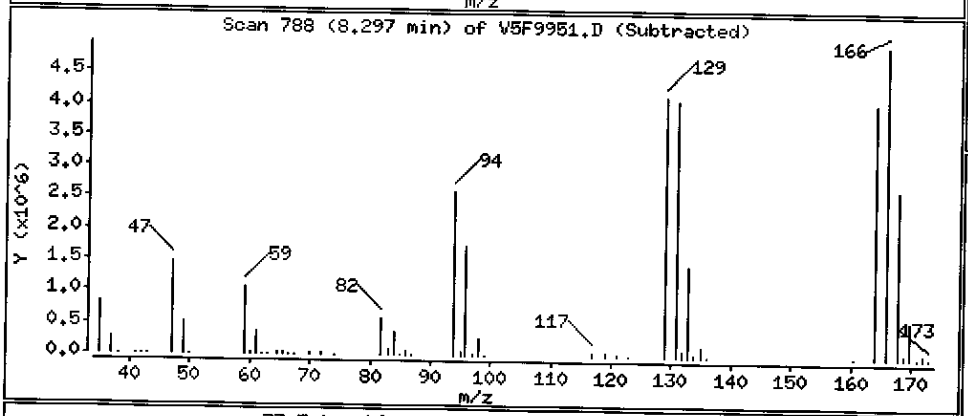
Column diameter: 0.25

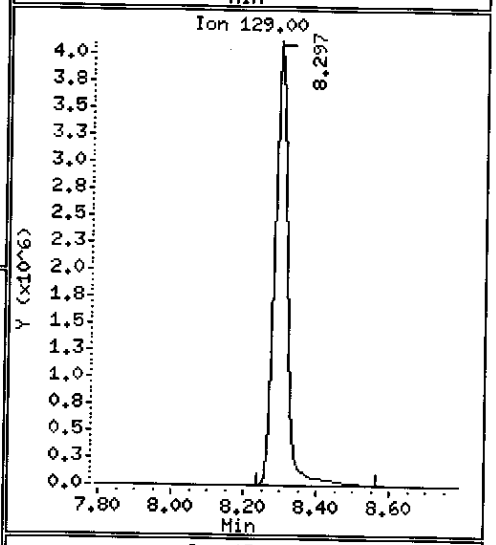
37 Tetrachloroethene

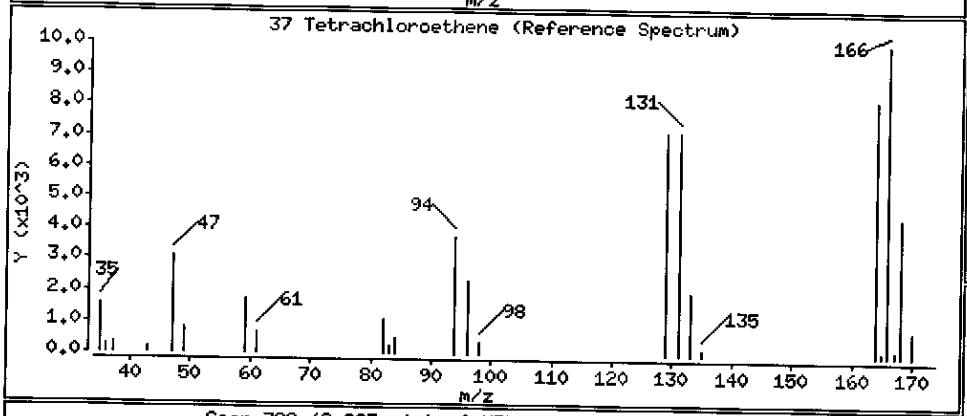
Concentration: 1200 ug/Kg

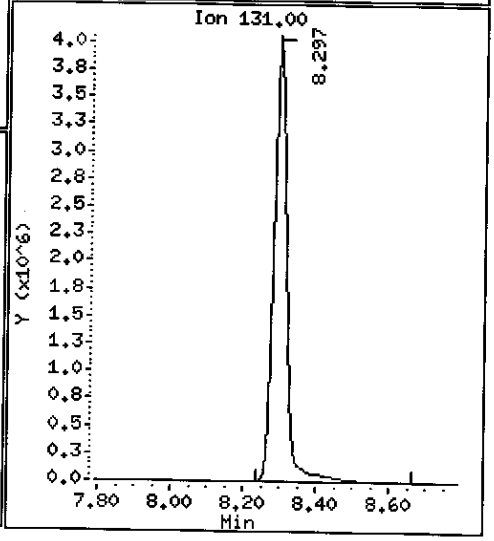


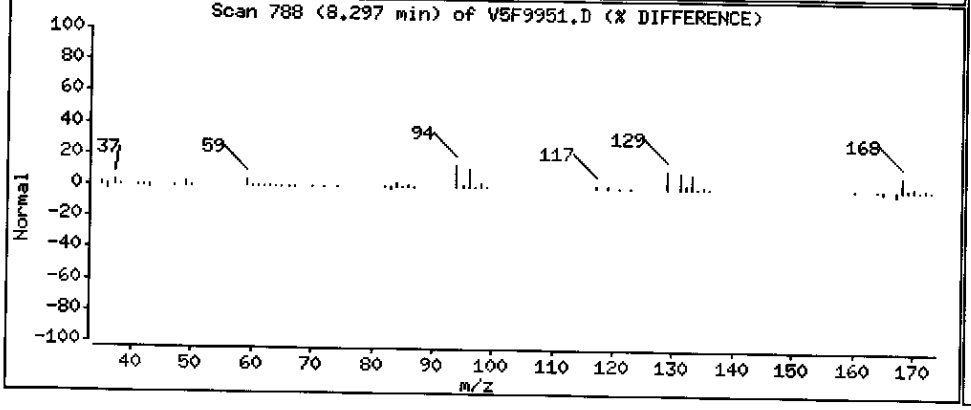












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CDL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6156

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1500	U
74-87-3	Chloromethane	1500	U
75-01-4	Vinyl Chloride	1500	U
74-83-9	Bromomethane	1500	U
75-00-3	Chloroethane	1500	U
75-69-4	Trichlorofluoromethane	1500	U
75-35-4	1,1-Dichloroethene	1500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1500	U
67-64-1	Acetone	1500	U
75-15-0	Carbon Disulfide	1500	U
79-20-9	Methyl Acetate	1500	U
75-09-2	Methylene Chloride	1500	U
156-60-5	trans-1,2-Dichloroethene	1500	U
1634-04-4	Methyl tert-Butyl Ether	1500	U
75-34-3	1,1-Dichloroethane	1500	U
156-59-2	cis-1,2-Dichloroethene	1500	U
78-93-3	2-Butanone	1500	U
67-66-3	Chloroform	1500	U
71-55-6	1,1,1-Trichloroethane	1500	U
110-82-7	Cyclohexane	1500	U
56-23-5	Carbon Tetrachloride	1500	U
71-43-2	Benzene	1500	U
107-06-2	1,2-Dichloroethane	1500	U
		1500	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CDL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6156

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	1500	U
108-87-2	Methylcyclohexane	1500	U
78-87-5	1,2-Dichloropropane	1500	U
75-27-4	Bromodichloromethane	1500	U
10061-01-5	cis-1,3-Dichloropropene	1500	U
108-10-1	4-Methyl-2-Pentanone	1500	U
108-88-3	Toluene	1500	U
10061-02-6	trans-1,3-Dichloropropene	1500	U
79-00-5	1,1,2-Trichloroethane	1500	U
127-18-4	Tetrachloroethene	1500	U
591-78-6	2-Hexanone	14000	D
124-48-1	Dibromochloromethane	1500	U
106-93-4	1,2-Dibromoethane	1500	U
108-90-7	Chlorobenzene	1500	U
100-41-4	Ethylbenzene	1500	U
1330-20-7	Xylene (Total)	1500	U
100-42-5	Styrene	1500	U
75-25-2	Bromoform	1500	U
98-82-8	Isopropylbenzene	1500	U
79-34-5	1,1,2,2-Tetrachloroethane	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
96-12-8	1,2-Dibromo-3-chloropropane	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-390DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CDL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6156

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
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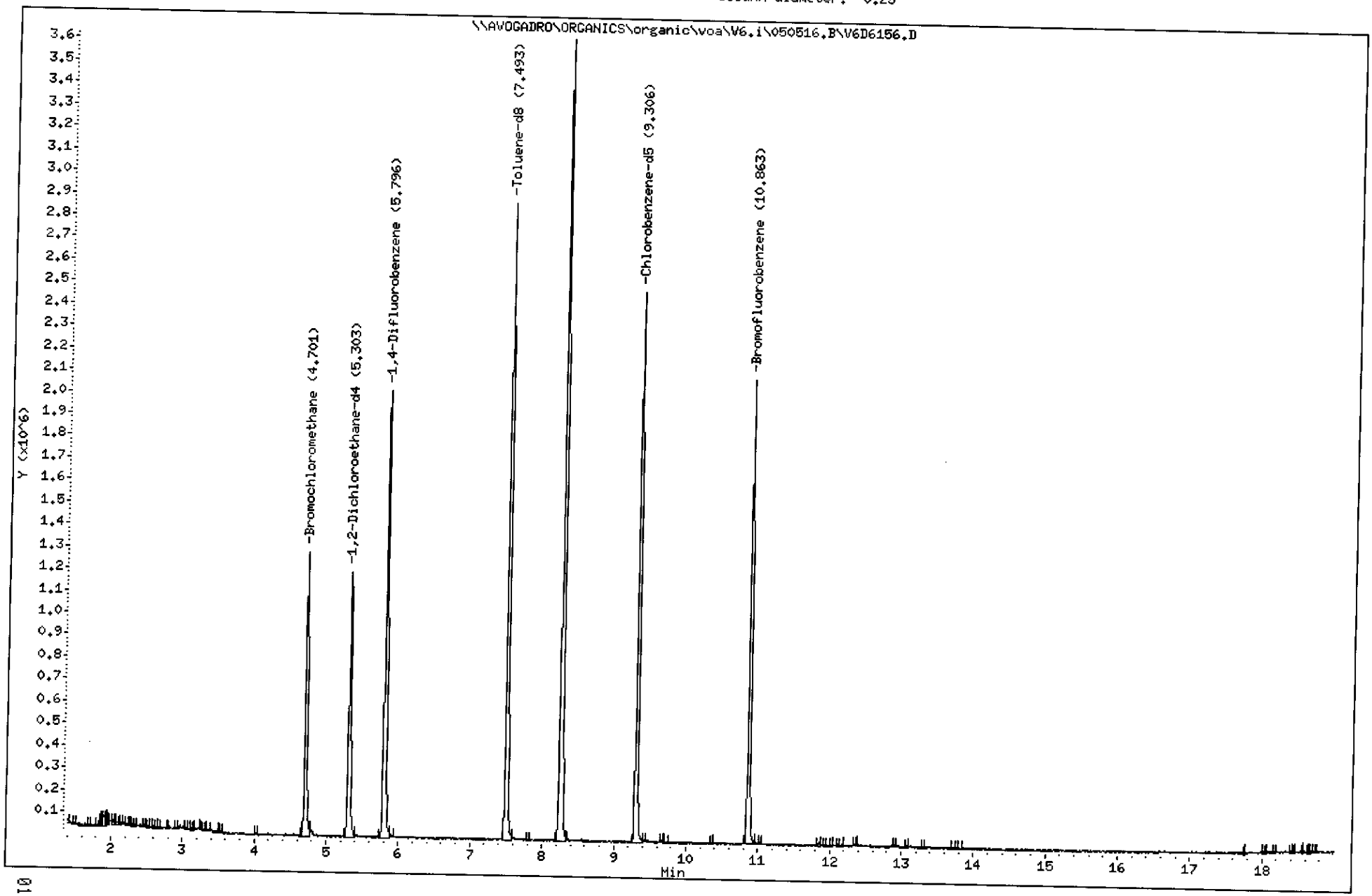
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6156.D
Date : 16-MAY-2005 18:48
Client ID: B-390DL
Sample Info: ,D0529-01CDL,,18128

Instrument: V6.i

Operator: V6 SRC: V6
Column phase: DB-624
Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6156.D
Report Date: 25-May-2005 12:20

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6156.D
Lab Smp Id: D0529-01CDL Client Smp ID: B-390DL
Inj Date : 16-MAY-2005 18:48
Operator : V6 SRC: V6 Inst ID: V6.i
Smp Info : ,D0529-01CDL,,18128
Misc Info : ,1,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\v6clp4s.m
Meth Date : 25-May-2005 11:36 mtl Quant Type: ISTD
Cal Date : 16-MAY-2005 10:18 Cal File: V6D6141.D ✓
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula:
Amt * DF * Uf * ((Vt+Ws*M/100)* 5)/(Va * Ws * ((100-M)/100)))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	4.000 ✓	Weight of sample extracted (g)
M	17.000 ✓	% Moisture (not decanted)
Vt	10000.000 ✓	Methanol extract volume (uL)
Va	100.000	Aliquot of methanol (uL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
* 18 Bromochloromethane	128	4.701	4.700	(1.000)	349266	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.303	5.302	(1.128)	939925	46.4714	7000
* 26 1,4-Difluorobenzene	114	5.796	5.795	(1.000)	1720031	50.0000	
$ 33 Toluene-d8	98	7.493	7.492	(0.805)	2144843	48.4329	7300
37 Tetrachloroethene	164	8.254	8.259	(0.887)	994841	95.4167	14000
* 42 Chlorobenzene-d5	117	9.306	9.305	(1.000)	1627737	50.0000	
$ 50 Bromofluorobenzene	95	10.863	10.863	(1.167)	829884	47.1411	7100

SB 5/25/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6156.D
Report Date: 25-May-2005 12:20

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6156.D
Lab Smp Id: D0529-01CDL Client Smp ID: B-390DL
Inj Date : 16-MAY-2005 18:48
Operator : V6 SRC: V6 Inst ID: V6.i
Smp Info : ,D0529-01CDL,,18128
Misc Info : ,1,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\v6clp4s.m
Meth Date : 25-May-2005 11:36 mtl Quant Type: ISTD
Cal Date : 16-MAY-2005 10:18 Cal File: V6D6141.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6156.D

Date : 16-MAY-2005 18:48

Client ID: B-390DL

Instrument: V6.i

Sample Info: ,D0529-01CDL,,18128

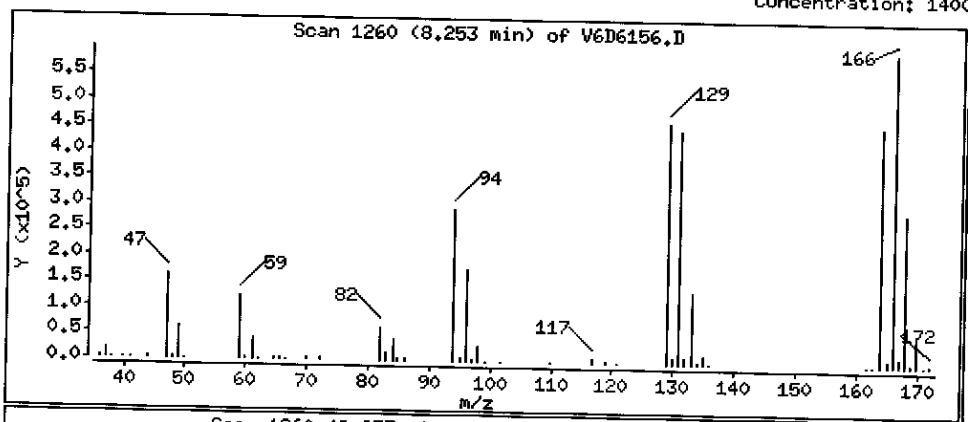
Operator: V6 SRC: V6

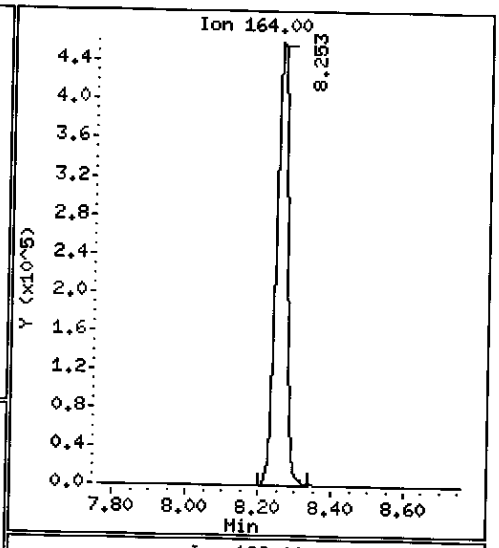
Column phase: DB-624

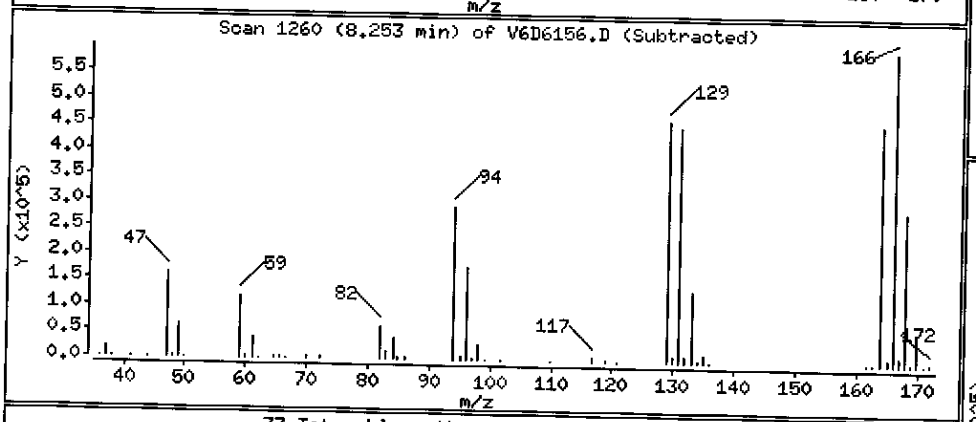
Column diameter: 0.25

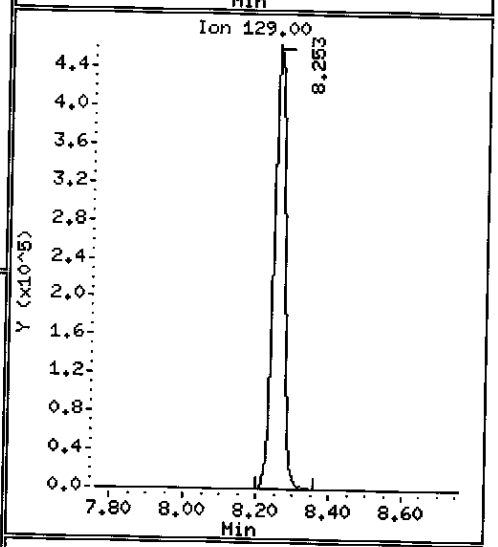
37 Tetrachloroethene

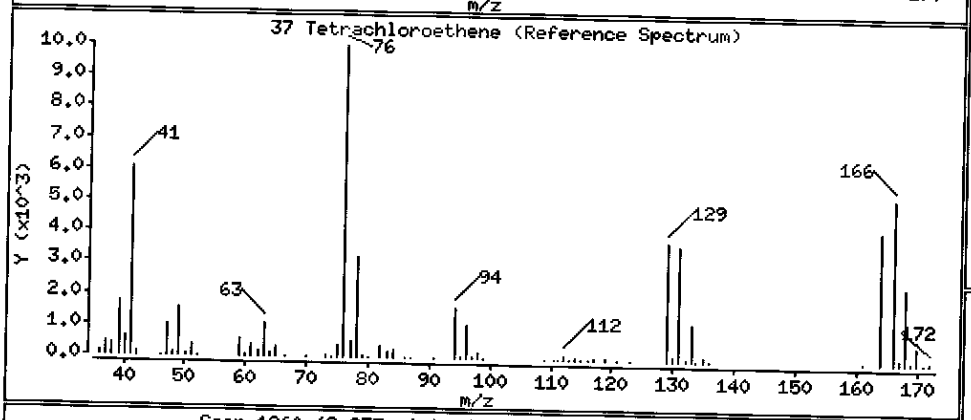
Concentration: 14000 ug/Kg

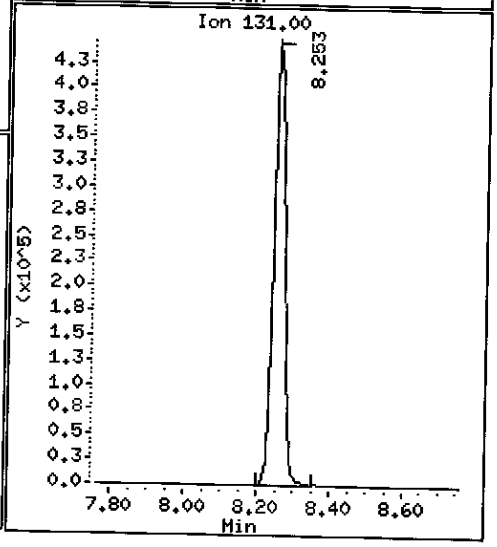


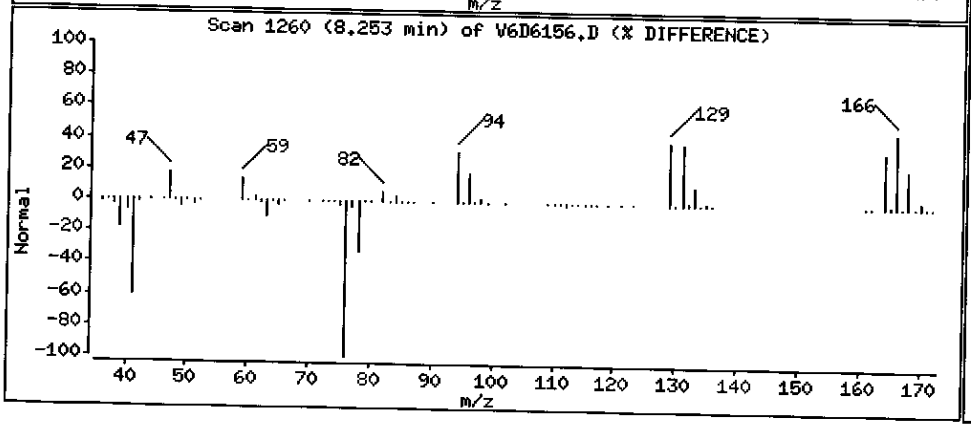












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSATE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: D0529-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6128

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSATE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: D0529-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6128

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RINSATE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: D0529-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6128

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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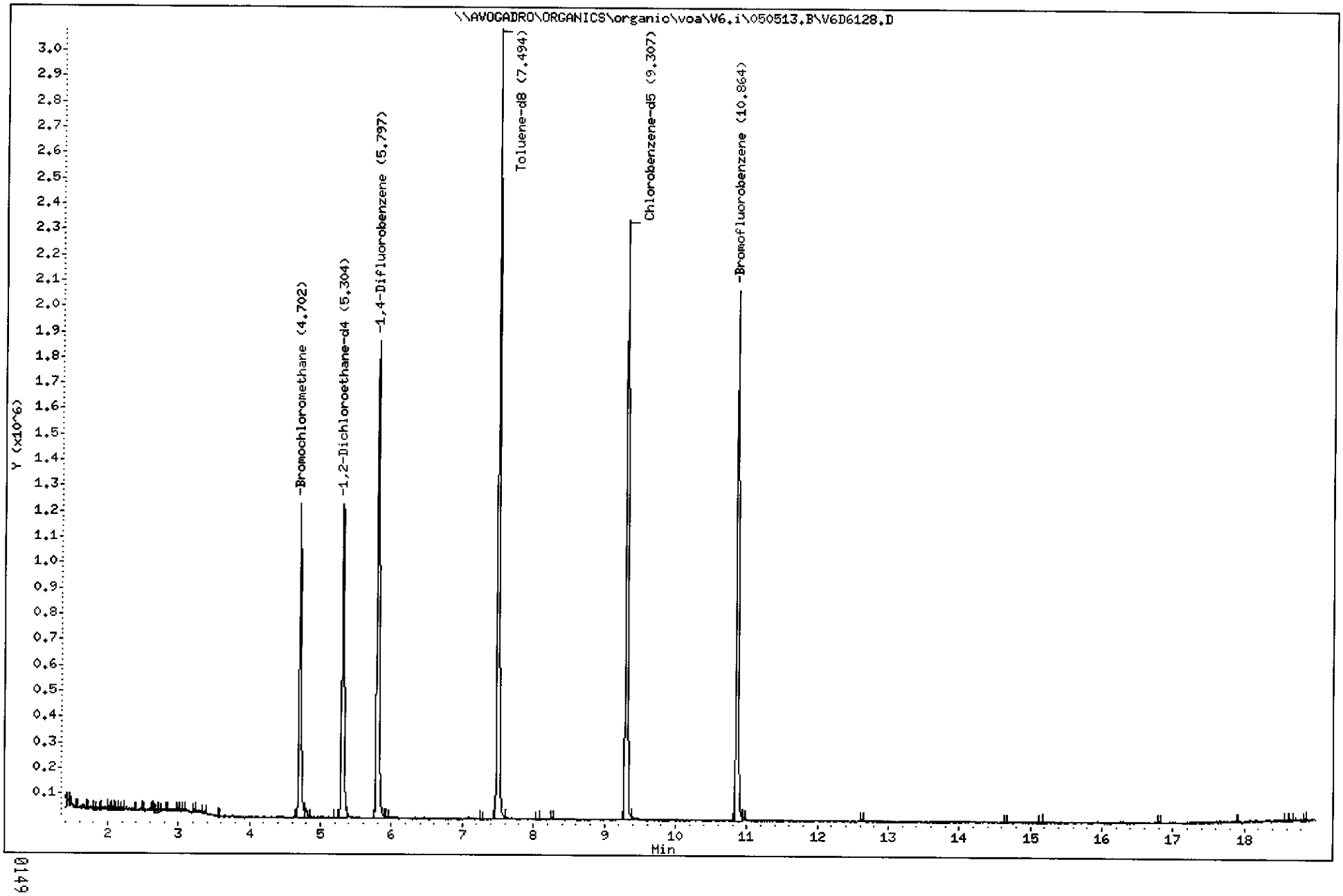
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6128.D
Date : 13-MAY-2005 20:04
Client ID: RINSATE
Sample Info: ,D0529-03A,RINSATE,18113
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: V6 SRC: LIMS
Column diameter: 0.25



0149

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6128.D
Report Date: 25-May-2005 12:01

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6128.D
Lab Smp Id: D0529-03A Client Smp ID: RINSATE
Inj Date : 13-MAY-2005 20:04
Operator : V6 SRC: LIMS Inst ID: V6.i
Smp Info : ,D0529-03A,RINSATE,18113
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\v6clp4s.m
Meth Date : 25-May-2005 11:58 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:47 Cal File: V6D6112.D ✓
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.03 Compound Sublist: CLP4.sub
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 18 Bromochloromethane	128	4.702	4.702	(1.000)	332774	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.304	5.304	(1.128)	981776	53.2042	53
* 26 1,4-Difluorobenzene	114	5.797	5.797	(1.000)	1584616	50.0000	
$ 33 Toluene-d8	98	7.494	7.494	(0.805)	2236442	52.7606	53
* 42 Chlorobenzene-d5	117	9.307	9.307	(1.000)	1496596	50.0000	
$ 50 Bromofluorobenzene	95	10.864	10.858	(1.167)	809359	50.5213	51

SB
5/25/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6128.D
Report Date: 25-May-2005 12:01

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6128.D
Lab Smp Id: D0529-03A Client Smp ID: RINSATE
Inj Date : 13-MAY-2005 20:04
Operator : V6 SRC: LIMS Inst ID: V6.i
Smp Info : ,D0529-03A,RINSATE,18113
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\v6clp4s.m
Meth Date : 25-May-2005 11:58 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:47 Cal File: V6D6112.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: V5 Calibration Date(s): 04/13/05 04/13/05

Heated Purge: (Y/N) Y Calibration Times: 1117 1455

GC Column: DB-624 ID: 0.25(mm)

LAB FILE ID: RRF10 = V5F9477 RRF20 = V5F9480
RRF50 = V5F9476 RRF100= V5F9479 RRF200= V5F9478

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	2.043	2.463	2.554	2.326	2.546	2.386	8.9
Chloromethane	2.158	2.256	2.239	2.086	2.172	2.182	3.1
Vinyl Chloride *	1.636	1.949	1.924	1.833	2.003	1.869	7.7*
Bromomethane *	0.791	1.019	0.997	0.854	0.927	0.918	10.4*
Chloroethane	0.748	0.840	0.862	0.698	0.772	0.784	8.6
Trichlorofluoromethane	1.583	1.968	2.104	1.810	2.002	1.893	10.7
1,1-Dichloroethene *	0.839	1.025	1.078	0.983	0.998	0.985	9.0*
1,1,2-Trichloro-1,2,2-trifluoroethane	0.616	1.052	1.067	0.922	1.344	1.000	26.4
Acetone	1.140	0.822	0.937	0.662	0.690	0.850	23.0
Carbon Disulfide	3.526	3.842	4.158	3.747	3.985	3.852	6.2
Methyl Acetate	1.272	1.104	1.110	0.972	1.009	1.093	10.6
Methylene Chloride	1.004	1.296	1.180	1.570	1.223	1.255	16.4
trans-1,2-Dichloroethene	1.368	1.623	1.518	1.458	1.499	1.493	6.2
Methyl tert-Butyl Ether	4.490	4.421	4.481	4.098	3.954	4.289	5.8
1,1-Dichloroethane *	3.070	3.539	3.559	3.144	3.216	3.306	6.9*
cis-1,2-Dichloroethene	1.514	1.733	1.674	1.492	1.542	1.591	6.7
2-Butanone	1.322	1.345	1.230	1.137	1.127	1.232	8.2
Chloroform *	2.747	3.077	3.036	2.684	2.740	2.857	6.5*
1,1,1-Trichloroethane *	0.359	0.372	0.404	0.330	0.404	0.374	8.5*
Cyclohexane	0.575	0.632	0.672	0.566	0.622	0.613	7.1
Carbon Tetrachloride *	0.316	0.331	0.374	0.308	0.357	0.337	8.2*
Benzene *	1.306	1.265	1.333	1.127	1.094	1.225	8.8*
1,2-Dichloroethane *	2.207	2.200	2.255	1.961	1.993	2.123	6.4*
Trichloroethene *	0.330	0.333	0.344	0.298	0.305	0.322	6.0*
Methylcyclohexane	0.473	0.522	0.557	0.481	0.498	0.506	6.7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6B
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: V5 Calibration Date(s): 04/13/05 04/13/05

Heated Purge: (Y/N) Y Calibration Times: 1117 1455

GC Column: DB-624 ID: 0.25(mm)

LAB FILE ID: RRF10 = V5F9477 RRF20 = V5F9480
RRF50 = V5F9476 RRF100= V5F9479 RRF200= V5F9478

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1,2-Dichloropropane		0.392	0.377	0.393	0.324	0.311	0.359	10.8
Bromodichloromethane	*	0.446	0.412	0.461	0.388	0.401	0.422	7.3*
cis-1,3-Dichloropropene	*	0.507	0.500	0.553	0.460	0.484	0.501	6.9*
4-Methyl-2-Pentanone		0.523	0.460	0.410	0.391	0.360	0.429	14.9
Toluene	*	1.292	1.384	1.385	1.217	1.098	1.275	9.5*
trans-1,3-Dichloropropene	*	0.482	0.455	0.476	0.411	0.431	0.451	6.7*
1,1,2-Trichloroethane	*	0.264	0.238	0.256	0.218	0.212	0.238	9.6*
Tetrachloroethene	*	0.248	0.289	0.299	0.269	0.252	0.271	8.3*
2-Hexanone		0.452	0.418	0.365	0.361	0.332	0.386	12.6
Dibromochloromethane	*	0.310	0.288	0.319	0.275	0.292	0.297	5.9*
1,2-Dibromoethane		0.322	0.307	0.325	0.295	0.289	0.308	5.2
Chlorobenzene	*	0.904	0.947	0.897	0.810	0.768	0.865	8.5*
Ethylbenzene	*	0.398	0.454	0.461	0.414	0.402	0.426	7.0*
Xylene (Total)	*	0.504	0.560	0.570	0.492	0.464	0.518	8.8*
Styrene	*	0.683	0.764	0.752	0.655	0.603	0.691	9.8*
Bromoform	*	0.225	0.184	0.216	0.186	0.199	0.202	8.9*
Isopropylbenzene		1.309	1.478	1.484	1.296	1.226	1.359	8.6
1,1,2,2-Tetrachloroethane	*	0.504	0.437	0.457	0.408	0.389	0.439	10.2*
1,3-Dichlorobenzene	*	0.755	0.838	0.778	0.703	0.662	0.747	9.1*
1,4-Dichlorobenzene	*	0.809	0.869	0.771	0.704	0.669	0.764	10.5*
1,2-Dichlorobenzene	*	0.739	0.776	0.725	0.651	0.619	0.702	9.3*
1,2-Dibromo-3-chloropropane		0.087	0.067	0.070	0.066	0.064	0.071	13.0
1,2,4-Trichlorobenzene	*	0.534	0.512	0.389	0.382	0.370	0.437	17.9*
Toluene-d8		1.349	1.229	1.164	1.099	0.953	1.159	12.7
Bromofluorobenzene	*	0.633	0.554	0.516	0.476	0.435	0.523	14.5*
1,2-Dichloroethane-d4		2.437	2.079	2.097	1.920	1.846	2.076	11.0

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: V6 Calibration Date(s): 05/12/05 05/12/05

Heated Purge: (Y/N) N Calibration Times: 1240 1506

GC Column: DB-624 ID: 0.25(mm)

LAB FILE ID: RRF10 = V6D6096 RRF20 = V6D6095
RRF50 = V6D6091 RRF100= V6D6094 RRF200= V6D6093

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane		2.072	2.282	2.044	2.270	2.138	2.161	5.1
Chloromethane		2.676	2.769	2.232	2.335	2.270	2.456	10.1
Vinyl Chloride	*	1.990	2.214	1.843	1.946	1.870	1.973	7.5*
Bromomethane	*	0.963	1.131	0.859	0.944	0.848	0.949	12.0*
Chloroethane		0.964	1.073	0.870	0.887	0.826	0.924	10.5
Trichlorofluoromethane		1.218	2.106	1.557	1.880	1.794	1.711	19.8
1,1-Dichloroethene	*	0.877	1.518	1.102	1.295	1.221	1.203	19.7*
1,1,2-Trichloro-1,2,2-trifluoroethane		0.825	1.208	0.925	1.196	1.045	1.040	16.1
Acetone		1.032	0.595	0.922	0.609	0.575	0.747	28.7
Carbon Disulfide		4.050	4.971	3.764	4.253	3.739	4.155	12.1
Methyl Acetate		1.222	1.462	1.218	1.318	1.091	1.262	10.9
Methylene Chloride		1.325	1.189	1.296	1.378	1.177	1.273	6.8
trans-1,2-Dichloroethene		1.855	2.109	1.810	1.917	1.722	1.883	7.7
Methyl tert-Butyl Ether		4.423	5.604	4.907	5.091	4.603	4.926	9.3
1,1-Dichloroethane	*	4.035	4.702	3.911	4.102	3.754	4.101	8.8*
cis-1,2-Dichloroethene		1.848	2.152	1.952	2.077	1.935	1.993	6.1
2-Butanone		1.803	1.495	1.902	1.535	1.420	1.631	12.8
Chloroform	*	3.560	4.056	3.307	3.523	3.187	3.527	9.4*
1,1,1-Trichloroethane	*	0.454	0.562	0.420	0.485	0.427	0.470	12.3*
Cyclohexane		0.553	0.687	0.667	0.755	0.699	0.672	11.0
Carbon Tetrachloride	*	0.394	0.482	0.378	0.436	0.393	0.417	10.1*
Benzene	*	1.402	1.682	1.386	1.464	1.242	1.435	11.2*
1,2-Dichloroethane	*	3.218	3.691	3.080	3.221	2.937	3.229	8.8*
Trichloroethene	*	0.421	0.486	0.440	0.442	0.398	0.437	7.4*
Methylcyclohexane		0.470	0.551	0.521	0.583	0.517	0.528	8.0

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6B
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: V6 Calibration Date(s): 05/12/05 05/12/05

Heated Purge: (Y/N) N Calibration Times: 1240 1506

GC Column: DB-624 ID: 0.25(mm)

LAB FILE ID: RRF10 = V6D6096 RRF20 = V6D6095
RRF50 = V6D6091 RRF100= V6D6094 RRF200= V6D6093

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1,2-Dichloropropane		0.457	0.543	0.434	0.472	0.416	0.464	10.5
Bromodichloromethane	*	0.449	0.550	0.468	0.507	0.465	0.488	8.4*
cis-1,3-Dichloropropene	*	0.399	0.546	0.497	0.552	0.509	0.501	12.3*
4-Methyl-2-Pentanone		0.455	0.581	0.595	0.595	0.548	0.555	10.7
Toluene	*	1.474	1.890	1.614	1.629	1.384	1.598	12.0*
trans-1,3-Dichloropropene	*	0.361	0.514	0.469	0.539	0.498	0.476	14.6*
1,1,2-Trichloroethane	*	0.336	0.400	0.345	0.372	0.334	0.357	7.9*
Tetrachloroethene	*	0.296	0.373	0.332	0.331	0.301	0.327	9.4*
2-Hexanone		0.347	0.374	0.456	0.419	0.381	0.395	10.8
Dibromochloromethane	*	0.335	0.399	0.362	0.399	0.373	0.374	7.3*
1,2-Dibromoethane		0.387	0.465	0.419	0.435	0.393	0.420	7.6
Chlorobenzene	*	1.081	1.288	1.096	1.118	0.995	1.116	9.6*
Ethylbenzene	*	0.474	0.651	0.565	0.599	0.549	0.568	11.5*
Xylene (Total)	*	0.581	0.755	0.686	0.712	0.642	0.675	9.9*
Styrene	*	0.502	0.476	0.579	0.651	0.647	0.571	14.1*
Bromoform	*	0.191	0.253	0.232	0.268	0.254	0.240	12.6*
Isopropylbenzene		1.299	1.849	1.685	1.752	1.466	1.610	13.9
1,1,2,2-Tetrachloroethane	*	0.402	0.531	0.446	0.504	0.434	0.463	11.4*
1,3-Dichlorobenzene	*	0.703	0.924	0.838	0.865	0.788	0.824	10.1*
1,4-Dichlorobenzene	*	0.750	0.971	0.864	0.904	0.811	0.860	9.9*
1,2-Dichlorobenzene	*	0.700	0.891	0.804	0.853	0.752	0.800	9.6*
1,2-Dibromo-3-chloropropane		0.068	0.095	0.085	0.099	0.092	0.088	14.0
1,2,4-Trichlorobenzene	*	0.333	0.455	0.460	0.513	0.466	0.445	15.0*
Toluene-d8		1.217	1.314	1.393	1.383	1.219	1.305	6.5
Bromofluorobenzene	*	0.437	0.513	0.540	0.561	0.499	0.510	9.3*
1,2-Dichloroethane-d4		2.682	2.861	2.482	2.755	2.549	2.666	5.7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: V6 Calibration Date(s): 05/16/05 05/16/05

Heated Purge: (Y/N) N Calibration Times: 1018 1231

GC Column: DB-624 ID: 0.25(mm)

LAB FILE ID: RRF10 = V6D6142 RRF20 = V6D6145
RRF50 = V6D6141 RRF100= V6D6144 RRF200= V6D6143

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
Dichlorodifluoromethane		2.284	2.508	2.346	2.510	2.371	2.404	4.2	
Chloromethane		3.238	2.938	2.746	2.828	2.636	2.877	8.0	
Vinyl Chloride	*	1.842	2.311	2.225	2.354	2.164	2.179	9.3*	
Bromomethane	*	0.654	1.142	0.952	1.006	0.842	0.919	19.9*	
Chloroethane		0.998	1.147	0.977	0.992	0.849	0.993	10.7	
Trichlorofluoromethane		1.865	1.844	1.871	2.104	1.699	1.877	7.7	
1,1-Dichloroethene	*	0.816	1.535	1.430	1.450	1.396	1.325	21.8*	<-
1,1,2-Trichloro-1,2,2-trifluoroethane		1.235	1.280	1.230	1.210	1.114	1.214	5.1	
Acetone		1.139	0.892	1.248	1.149	1.065	1.099	12.0	
Carbon Disulfide		4.327	4.861	4.587	4.535	4.211	4.504	5.6	
Methyl Acetate		1.511	1.455	1.635	1.533	1.410	1.509	5.7	
Methylene Chloride		1.159	1.611	1.593	1.475	1.390	1.446	12.7	
trans-1,2-Dichloroethene		1.916	2.102	1.923	2.010	1.883	1.967	4.5	
Methyl tert-Butyl Ether		5.248	5.526	5.143	5.248	4.935	5.220	4.1	
1,1-Dichloroethane	*	4.373	4.766	4.298	4.355	4.019	4.362	6.1*	
cis-1,2-Dichloroethene		2.017	2.064	2.175	2.239	2.204	2.140	4.4	
2-Butanone		2.077	1.968	2.258	2.163	2.256	2.144	5.8	
Chloroform	*	4.064	4.075	3.733	3.756	3.483	3.822	6.5*	
1,1,1-Trichloroethane	*	0.452	0.497	0.421	0.475	0.437	0.456	6.6*	
Cyclohexane		0.568	0.767	0.702	0.859	0.823	0.744	15.4	
Carbon Tetrachloride	*	0.395	0.475	0.397	0.444	0.412	0.425	8.1*	
Benzene	*	1.592	1.724	1.516	1.640	1.443	1.583	6.9*	
1,2-Dichloroethane	*	3.653	3.795	3.564	3.551	3.259	3.564	5.5*	
Trichloroethene	*	0.444	0.452	0.425	0.464	0.418	0.441	4.4*	
Methylcyclohexane		0.482	0.632	0.562	0.643	0.622	0.588	11.4	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6B
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: V6 Calibration Date(s): 05/16/05 05/16/05

Heated Purge: (Y/N) N Calibration Times: 1018 1231

GC Column: DB-624 ID: 0.25(mm)

LAB FILE ID: RRF10 = V6D6142 RRF20 = V6D6145
RRF50 = V6D6141 RRF100= V6D6144 RRF200= V6D6143

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1,2-Dichloropropane		0.521	0.557	0.486	0.526	0.480	0.514	6.2
Bromodichloromethane	*	0.515	0.569	0.509	0.562	0.533	0.538	5.0*
cis-1,3-Dichloropropene	*	0.421	0.517	0.513	0.596	0.590	0.527	13.5*
4-Methyl-2-Pentanone		0.549	0.671	0.667	0.732	0.695	0.663	10.3
Toluene	*	1.645	1.916	1.673	1.792	1.551	1.715	8.2*
trans-1,3-Dichloropropene	*	0.416	0.534	0.512	0.578	0.579	0.524	12.8*
1,1,2-Trichloroethane	*	0.405	0.435	0.379	0.410	0.385	0.403	5.5*
Tetrachloroethene	*	0.330	0.367	0.320	0.351	0.330	0.340	5.6*
2-Hexanone		0.415	0.480	0.533	0.563	0.575	0.513	12.9
Dibromochloromethane	*	0.380	0.430	0.388	0.434	0.424	0.411	6.1*
1,2-Dibromoethane		0.442	0.481	0.429	0.473	0.453	0.456	4.7
Chlorobenzene	*	1.196	1.287	1.134	1.204	1.098	1.184	6.1*
Ethylbenzene	*	0.534	0.636	0.587	0.650	0.597	0.601	7.6*
Xylene (Total)	*	0.604	0.742	0.692	0.768	0.706	0.702	8.9*
Styrene	*	0.717	0.830	0.872	0.972	0.881	0.854	10.9*
Bromoform	*	0.226	0.261	0.250	0.283	0.290	0.262	9.8*
Isopropylbenzene		1.396	1.830	1.723	1.909	1.672	1.706	11.5
1,1,2,2-Tetrachloroethane	*	0.536	0.681	0.558	0.606	0.592	0.595	9.3*
1,3-Dichlorobenzene	*	0.740	0.898	0.836	0.933	0.875	0.856	8.6*
1,4-Dichlorobenzene	*	0.762	0.942	0.894	0.994	0.889	0.896	9.6*
1,2-Dichlorobenzene	*	0.727	0.877	0.816	0.915	0.838	0.835	8.5*
1,2-Dibromo-3-chloropropane		0.097	0.122	0.111	0.126	0.130	0.117	11.3
1,2,4-Trichlorobenzene	*	0.342	0.446	0.491	0.561	0.555	0.479	18.8*
Toluene-d8		1.117	1.465	1.360	1.395	1.284	1.324	10.0
Bromofluorobenzene	*	0.420	0.567	0.541	0.565	0.535	0.526	11.6*
1,2-Dichloroethane-d4		2.678	3.034	2.895	2.794	2.685	2.817	5.3

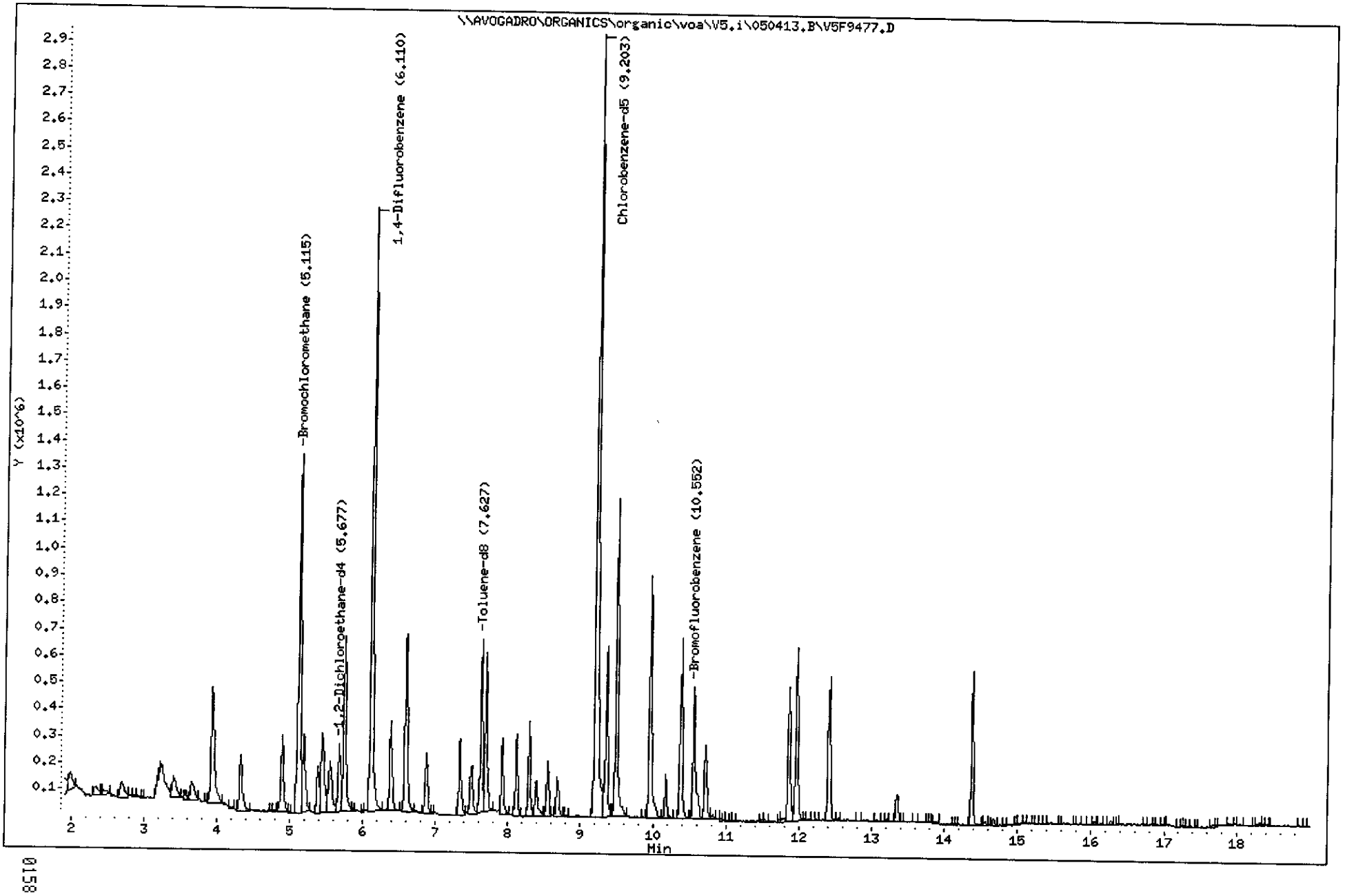
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9477.D
Date : 13-APR-2005 12:27
Client ID: VSTD0105Z
Sample Info: ,VSTD0105Z,VSTD0105Z

Instrument: v5.i

Operator: JC
Column diameter: 0.25

Column phase: DB-624



0158

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9477.D
Report Date: 06-May-2005 13:19

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9477.D
Lab Smp Id: VSTD0105Z Client Smp ID: VSTD0105Z
Inj Date : 13-APR-2005 12:27
Operator : JC Inst ID: v5.i
Smp Info : ,VSTD0105Z,VSTD0105Z
Misc Info : ,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\v5clp4h.m
Meth Date : 13-Apr-2005 15:47 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 11:17 Cal File: V5F9476.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.678	1.681	(0.328)	189037	10.0000	9(a)
2 Chloromethane	50	1.865	1.858	(0.365)	199688	10.0000	10
3 Vinyl Chloride	62	1.973	1.977	(0.386)	151401	10.0000	9(a)
4 Bromomethane	94	2.328	2.331	(0.455)	73222	10.0000	9(a)
5 Chloroethane	64	2.446	2.439	(0.478)	69197	10.0000	9(a)
6 Trichlorofluoromethane	101	2.673	2.676	(0.522)	146417	10.0000	9(a)
7 1,1-Dichloroethene	96	3.185	3.178	(0.623)	77644	10.0000	9(a)
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.204	3.208	(0.626)	57022	10.0000	7(a)
9 Acetone	43	3.234	3.227	(0.632)	105484	10.0000	11
10 Carbon Disulfide	76	3.402	3.395	(0.665)	326216	10.0000	9(a)
11 Methyl Acetate	43	3.933	3.927	(0.769)	117660	10.0000	11
12 Methylene Chloride	84	3.648	3.641	(0.713)	92901	10.0000	9(a)
13 trans-1,2-Dichloroethene	96	3.924	3.917	(0.767)	126576	10.0000	9(a)
14 Methyl tert-Butyl Ether	73	3.943	3.927	(0.771)	415446	10.0000	10
15 1,1-Dichloroethane	63	4.327	4.321	(0.846)	284056	10.0000	9(a)

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9477.D
Report Date: 06-May-2005 13:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 2-Butanone	43	4.908	4.892	(0.960)	122322	10.0000	10
	17 cis-1,2-Dichloroethene	96	4.889	4.882	(0.956)	140075	10.0000	9(a)
*	18 Bromochloromethane	128	5.115	5.109	(1.000)	462586	50.0000	
	19 Chloroform	83	5.194	5.188	(1.015)	254146	10.0000	9(a)
	20 1,1,1-Trichloroethane	97	5.381	5.375	(0.881)	150296	10.0000	9(a)
	21 Cyclohexane	56	5.440	5.434	(0.890)	240942	10.0000	9(a)
	22 Carbon Tetrachloride	117	5.549	5.542	(0.908)	132582	10.0000	9(a)
$	23 1,2-Dichloroethane-d4	65	5.677	5.670	(1.110)	225447	10.0000	11
	24 1,2-Dichloroethane	62	5.746	5.739	(1.123)	204183	10.0000	10
	25 Benzene	78	5.736	5.739	(0.939)	547247	10.0000	10
*	26 1,4-Difluorobenzene	114	6.110	6.104	(1.000)	2094805	50.0000	
	27 Trichloroethene	130	6.376	6.379	(1.044)	138325	10.0000	10
	28 Methylcyclohexane	83	6.583	6.576	(1.077)	198201	10.0000	9(a)
	29 1,2-Dichloropropane	63	6.593	6.596	(1.079)	164182	10.0000	10
	30 Bromodichloromethane	83	6.878	6.872	(1.126)	186890	10.0000	10
	31 cis-1,3-Dichloropropene	75	7.341	7.335	(1.202)	212244	10.0000	10
	32 4-Methyl-2-Pentanone	43	7.499	7.492	(0.815)	211045	10.0000	11
$	33 Toluene-d8	98	7.627	7.620	(0.829)	543819	10.0000	11
	34 Toluene	91	7.696	7.699	(0.836)	520960	10.0000	10
	35 trans-1,3-Dichloropropene	75	7.922	7.916	(1.297)	202085	10.0000	10
	36 1,1,2-Trichloroethane	97	8.119	8.113	(1.329)	110585	10.0000	10
	37 Tetrachloroethene	164	8.297	8.290	(0.902)	99800	10.0000	9(a)
	38 2-Hexanone	43	8.385	8.389	(0.911)	182312	10.0000	11
	39 Dibromochloromethane	129	8.553	8.546	(1.400)	130040	10.0000	10
	40 1,2-Dibromoethane	107	8.681	8.684	(0.943)	129697	10.0000	10
*	42 Chlorobenzene-d5	117	9.203	9.196	(1.000)	2015870	50.0000	
	43 Chlorobenzene	112	9.232	9.236	(1.003)	364315	10.0000	10
	44 Ethylbenzene	106	9.360	9.354	(1.017)	160301	10.0000	9(a)
	45 m,p-Xylene	106	9.489	9.492	(1.031)	427011	20.0000	19
	46 o-Xylene	106	9.951	9.945	(1.081)	203130	10.0000	9(a)
	47 Styrene	104	9.961	9.955	(1.082)	275349	10.0000	10
	48 Bromoform	173	10.168	10.171	(1.664)	94121	10.0000	10
	49 Isopropylbenzene	105	10.375	10.378	(1.127)	527764	10.0000	9(a)
$	50 Bromofluorobenzene	95	10.552	10.556	(1.147)	255121	10.0000	11
	51 1,1,2,2-Tetrachloroethane	83	10.710	10.713	(1.164)	203380	10.0000	10
M	41 Xylene (Total)	106				630142	10.0000	29
	52 1,3-Dichlorobenzene	146	11.862	11.856	(1.289)	304269	10.0000	10
	53 1,4-Dichlorobenzene	146	11.961	11.964	(1.300)	326022	10.0000	10
	54 1,2-Dichlorobenzene	146	12.414	12.407	(1.349)	297897	10.0000	10
	55 1,2-Dibromo-3-chloropropane	75	13.359	13.353	(1.452)	34908	10.0000	11
	56 1,2,4-Trichlorobenzene	180	14.384	14.387	(1.563)	215133	10.0000	12

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

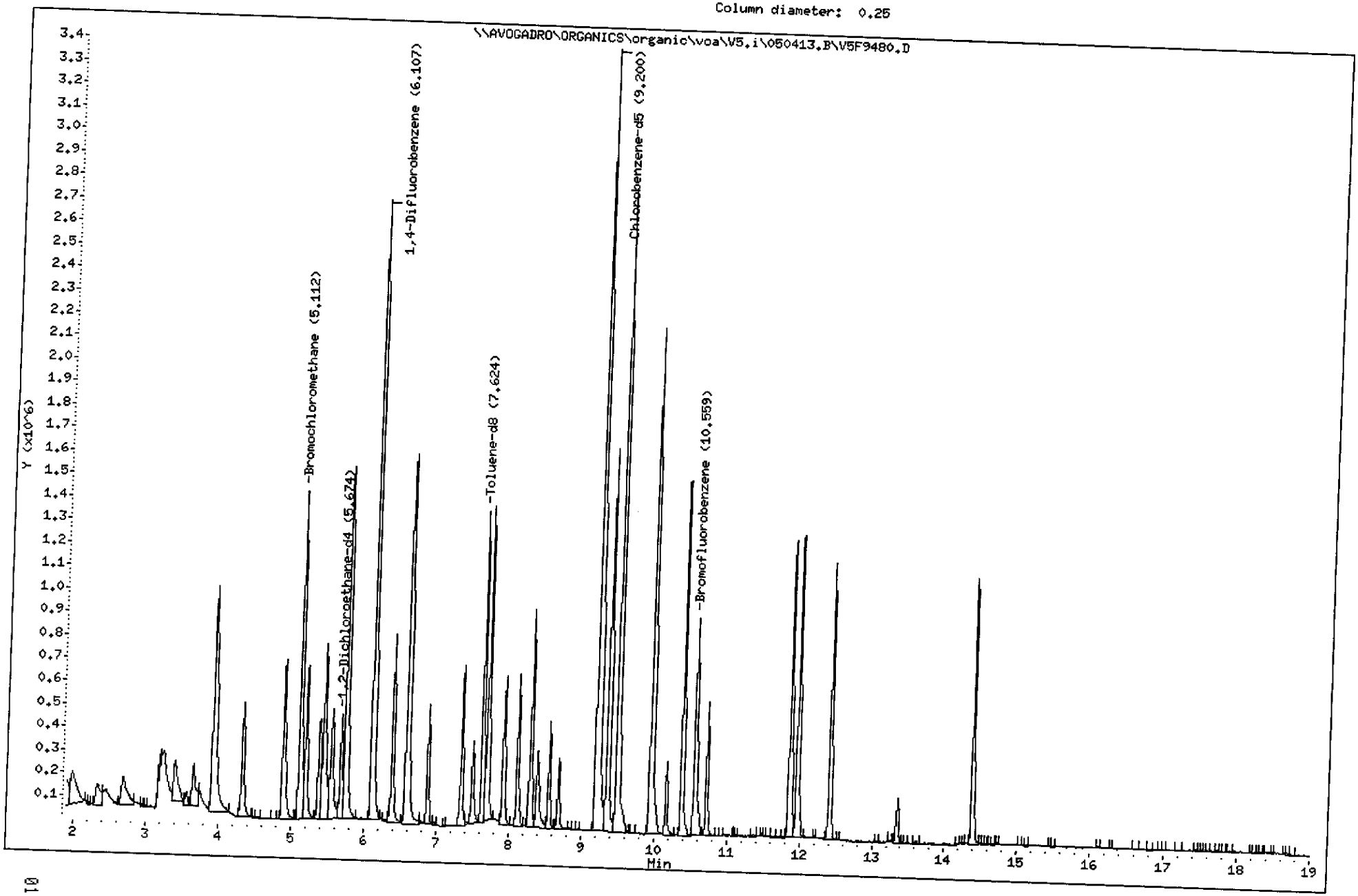
5/6/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9480.D
Date : 13-APR-2005 14:55
Client ID: VSTD0205Z
Sample Info: ,VSTD0205Z,VSTD0205Z

Instrument: v5.i

Column phase: DB-624

Operator: JC
Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9480.D
Report Date: 06-May-2005 13:19

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9480.D
Lab Smp Id: VSTD0205Z Client Smp ID: VSTD0205Z
Inj Date : 13-APR-2005 14:55
Operator : JC Inst ID: v5.i
Smp Info : ,VSTD0205Z,VSTD0205Z
Misc Info : ,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\v5clp4h.m
Meth Date : 13-Apr-2005 15:47 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 11:17 Cal File: V5F9476.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.675	1.681	(0.328)	483752	20.0000	21
2 Chloromethane	50	1.862	1.858	(0.364)	442953	20.0000	21
3 Vinyl Chloride	62	1.980	1.977	(0.387)	382635	20.0000	21
4 Bromomethane	94	2.325	2.331	(0.455)	200134	20.0000	22
5 Chloroethane	64	2.443	2.439	(0.478)	164998	20.0000	21
6 Trichlorofluoromethane	101	2.670	2.676	(0.522)	386370	20.0000	21
7 1,1-Dichloroethene	96	3.172	3.178	(0.620)	201290	20.0000	21
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.211	3.208	(0.628)	206596	20.0000	21
9 Acetone	43	3.231	3.227	(0.632)	161465	20.0000	19
10 Carbon Disulfide	76	3.389	3.395	(0.663)	754404	20.0000	20
11 Methyl Acetate	43	3.930	3.927	(0.769)	216841	20.0000	20
12 Methylene Chloride	84	3.645	3.641	(0.713)	254453	20.0000	21
13 trans-1,2-Dichloroethene	96	3.911	3.917	(0.765)	318631	20.0000	22
14 Methyl tert-Butyl Ether	73	3.930	3.927	(0.769)	868220	20.0000	21
15 1,1-Dichloroethane	63	4.314	4.321	(0.844)	694914	20.0000	21

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9480.D
Report Date: 06-May-2005 13:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 2-Butanone	43	4.896	4.892	(0.958)	264121	20.0000	22
	17 cis-1,2-Dichloroethene	96	4.886	4.882	(0.956)	340368	20.0000	22
*	18 Bromochloromethane	128	5.112	5.109	(1.000)	490924	50.0000	
	19 Chloroform	83	5.191	5.188	(1.015)	604241	20.0000	22
	20 1,1,1-Trichloroethane	97	5.378	5.375	(0.881)	381468	20.0000	20
	21 Cyclohexane	56	5.437	5.434	(0.890)	648432	20.0000	21
	22 Carbon Tetrachloride	117	5.546	5.542	(0.908)	339673	20.0000	20
$	23 1,2-Dichloroethane-d4	65	5.674	5.670	(1.110)	408347	20.0000	20
	24 1,2-Dichloroethane	62	5.743	5.739	(1.123)	432105	20.0000	21
	25 Benzene	78	5.733	5.739	(0.939)	1298344	20.0000	21
*	26 1,4-Difluorobenzene	114	6.107	6.104	(1.000)	2565349	50.0000	
	27 Trichloroethene	130	6.373	6.379	(1.044)	341308	20.0000	21
	28 Methylcyclohexane	83	6.580	6.576	(1.077)	535872	20.0000	21
	29 1,2-Dichloropropane	63	6.600	6.596	(1.081)	387142	20.0000	21
	30 Bromodichloromethane	83	6.875	6.872	(1.126)	422802	20.0000	20
	31 cis-1,3-Dichloropropene	75	7.338	7.335	(1.202)	512738	20.0000	20
	32 4-Methyl-2-Pentanone	43	7.496	7.492	(0.815)	412214	20.0000	21
$	33 Toluene-d8	98	7.624	7.620	(0.829)	1101896	20.0000	21
	34 Toluene	91	7.693	7.699	(0.836)	1241379	20.0000	22
	35 trans-1,3-Dichloropropene	75	7.919	7.916	(1.297)	467056	20.0000	20
	36 1,1,2-Trichloroethane	97	8.116	8.113	(1.329)	243945	20.0000	20
	37 Tetrachloroethene	164	8.294	8.290	(0.902)	259538	20.0000	21
	38 2-Hexanone	43	8.392	8.389	(0.912)	374487	20.0000	22
	39 Dibromochloromethane	129	8.550	8.546	(1.400)	295936	20.0000	19
	40 1,2-Dibromoethane	107	8.678	8.684	(0.943)	275526	20.0000	20
*	42 Chlorobenzene-d5	117	9.200	9.196	(1.000)	2241808	50.0000	
	43 Chlorobenzene	112	9.229	9.236	(1.003)	849438	20.0000	22
	44 Ethylbenzene	106	9.357	9.354	(1.017)	406816	20.0000	21
	45 m,p-Xylene	106	9.495	9.492	(1.032)	1046262	40.0000	44
	46 o-Xylene	106	9.948	9.945	(1.081)	502351	20.0000	22
	47 Styrene	104	9.958	9.955	(1.082)	685521	20.0000	22
	48 Bromoform	173	10.175	10.171	(1.666)	189041	20.0000	18
	49 Isopropylbenzene	105	10.382	10.378	(1.128)	1325724	20.0000	22
$	50 Bromofluorobenzene	95	10.549	10.556	(1.147)	496690	20.0000	21
	51 1,1,2,2-Tetrachloroethane	83	10.717	10.713	(1.165)	391806	20.0000	20
M	41 Xylene (Total)	106				1548613	20.0000	67
	52 1,3-Dichlorobenzene	146	11.859	11.856	(1.289)	751225	20.0000	22
	53 1,4-Dichlorobenzene	146	11.968	11.964	(1.301)	779614	20.0000	23
	54 1,2-Dichlorobenzene	146	12.411	12.407	(1.349)	696013	20.0000	22
	55 1,2-Dibromo-3-chloropropane	75	13.356	13.353	(1.452)	59912	20.0000	19
	56 1,2,4-Trichlorobenzene	180	14.391	14.387	(1.564)	459105	20.0000	23

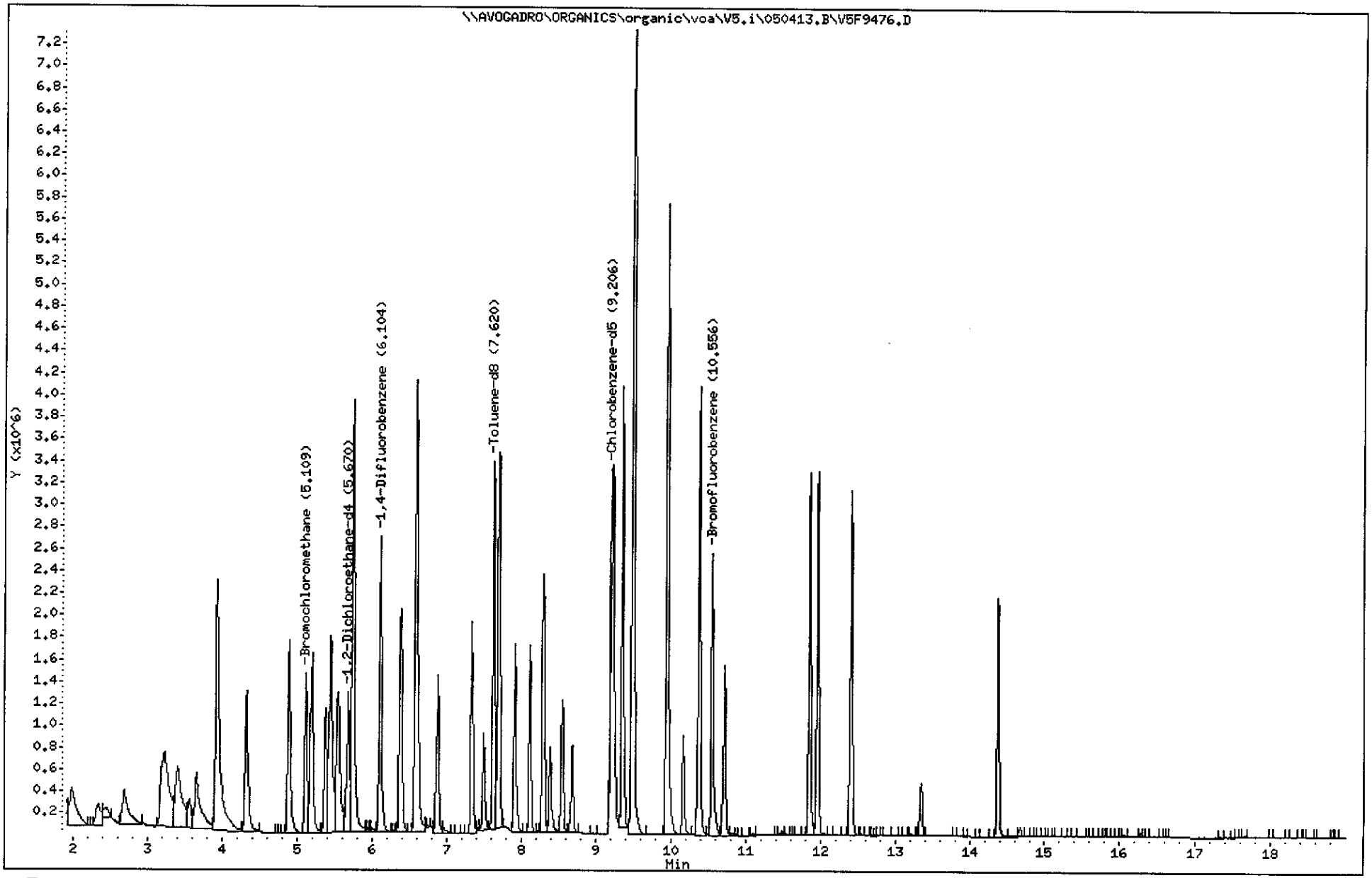
SB
5/6/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9476.D
Date : 13-APR-2005 11:17
Client ID: VSTD0505Z
Sample Info: ,VSTD0505Z,VSTD0505Z

Instrument: v5.i

Operator: JC
Column diameter: 0.25

Column phase: DB-624



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Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9476.D
Report Date: 06-May-2005 13:19

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9476.D
Lab Smp Id: VSTD0505Z Client Smp ID: VSTD0505Z
Inj Date : 13-APR-2005 11:17
Operator : JC Inst ID: v5.i
Smp Info : ,VSTD0505Z,VSTD0505Z
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\v5clp4h.m
Meth Date : 13-Apr-2005 15:47 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 11:17 Cal File: V5F9476.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.681	1.681	(0.329)	1249027	50.0000	50
2 Chloromethane	50	1.858	1.858	(0.364)	1095168	50.0000	50
3 Vinyl Chloride	62	1.977	1.977	(0.387)	941086	50.0000	50
4 Bromomethane	94	2.331	2.331	(0.456)	487640	50.0000	50
5 Chloroethane	64	2.439	2.439	(0.478)	421522	50.0000	50
6 Trichlorofluoromethane	101	2.676	2.676	(0.524)	1029041	50.0000	50
7 1,1-Dichloroethene	96	3.178	3.178	(0.622)	527158	50.0000	50
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.208	3.208	(0.628)	521849	50.0000	50
9 Acetone	43	3.227	3.227	(0.632)	458263	50.0000	50
10 Carbon Disulfide	76	3.395	3.395	(0.665)	2033374	50.0000	50
11 Methyl Acetate	43	3.927	3.927	(0.769)	542892	50.0000	50
12 Methylene Chloride	84	3.641	3.641	(0.713)	577156	50.0000	50
13 trans-1,2-Dichloroethene	96	3.917	3.917	(0.767)	742643	50.0000	50
14 Methyl tert-Butyl Ether	73	3.927	3.927	(0.769)	2191320	50.0000	50
15 1,1-Dichloroethane	63	4.321	4.321	(0.846)	1740532	50.0000	50

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9476.D
Report Date: 06-May-2005 13:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 2-Butanone	43	4.892	4.892	(0.958)	601442	50.0000	50
	17 cis-1,2-Dichloroethene	96	4.882	4.882	(0.956)	818783	50.0000	50
*	18 Bromochloromethane	128	5.109	5.109	(1.000)	489073	50.0000	
	19 Chloroform	83	5.188	5.188	(1.015)	1484922	50.0000	50
	20 1,1,1-Trichloroethane	97	5.375	5.375	(0.881)	982027	50.0000	50
	21 Cyclohexane	56	5.434	5.434	(0.890)	1635779	50.0000	50
	22 Carbon Tetrachloride	117	5.542	5.542	(0.908)	910055	50.0000	50
$	23 1,2-Dichloroethane-d4	65	5.670	5.670	(1.110)	1025527	50.0000	50
	24 1,2-Dichloroethane	62	5.739	5.739	(1.123)	1102959	50.0000	50
	25 Benzene	78	5.739	5.739	(0.940)	3242467	50.0000	50
*	26 1,4-Difluorobenzene	114	6.104	6.104	(1.000)	2432972	50.0000	
	27 Trichloroethene	130	6.379	6.379	(1.045)	836123	50.0000	50
	28 Methylcyclohexane	83	6.576	6.576	(1.077)	1354472	50.0000	50
	29 1,2-Dichloropropane	63	6.596	6.596	(1.081)	956363	50.0000	50
	30 Bromodichloromethane	83	6.872	6.872	(1.126)	1122376	50.0000	50
	31 cis-1,3-Dichloropropene	75	7.335	7.335	(1.202)	1346363	50.0000	50
	32 4-Methyl-2-Pentanone	43	7.492	7.492	(0.815)	910139	50.0000	50
$	33 Toluene-d8	98	7.620	7.620	(0.829)	2581538	50.0000	50
	34 Toluene	91	7.699	7.699	(0.837)	3071986	50.0000	50
	35 trans-1,3-Dichloropropene	75	7.916	7.916	(1.297)	1158602	50.0000	50
	36 1,1,2-Trichloroethane	97	8.113	8.113	(1.329)	623431	50.0000	50
	37 Tetrachloroethene	164	8.290	8.290	(0.901)	663966	50.0000	50
	38 2-Hexanone	43	8.389	8.389	(0.912)	809244	50.0000	50
	39 Dibromochloromethane	129	8.546	8.546	(1.400)	776363	50.0000	50
	40 1,2-Dibromoethane	107	8.684	8.684	(0.944)	721506	50.0000	50
*	42 Chlorobenzene-d5	117	9.196	9.196	(1.000)	2217543	50.0000	
	43 Chlorobenzene	112	9.236	9.236	(1.004)	1989847	50.0000	50
	44 Ethylbenzene	106	9.354	9.354	(1.017)	1022099	50.0000	50
	45 m,p-Xylene	106	9.492	9.492	(1.032)	2543744	100.000	100
	46 o-Xylene	106	9.945	9.945	(1.081)	1263889	50.0000	50
	47 Styrene	104	9.955	9.955	(1.082)	1668068	50.0000	50
	48 Bromoform	173	10.171	10.171	(1.666)	525413	50.0000	50
	49 Isopropylbenzene	105	10.378	10.378	(1.129)	3291595	50.0000	50
$	50 Bromofluorobenzene	95	10.556	10.556	(1.148)	1144269	50.0000	50
	51 1,1,2,2-Tetrachloroethane	83	10.713	10.713	(1.165)	1013761	50.0000	50
M	41 Xylene (Total)	106				3807633	50.0000	150
	52 1,3-Dichlorobenzene	146	11.856	11.856	(1.289)	1726060	50.0000	50
	53 1,4-Dichlorobenzene	146	11.964	11.964	(1.301)	1708945	50.0000	50
	54 1,2-Dichlorobenzene	146	12.407	12.407	(1.349)	1607275	50.0000	50
	55 1,2-Dibromo-3-chloropropane	75	13.353	13.353	(1.452)	154354	50.0000	50
	56 1,2,4-Trichlorobenzene	180	14.387	14.387	(1.564)	863456	50.0000	50

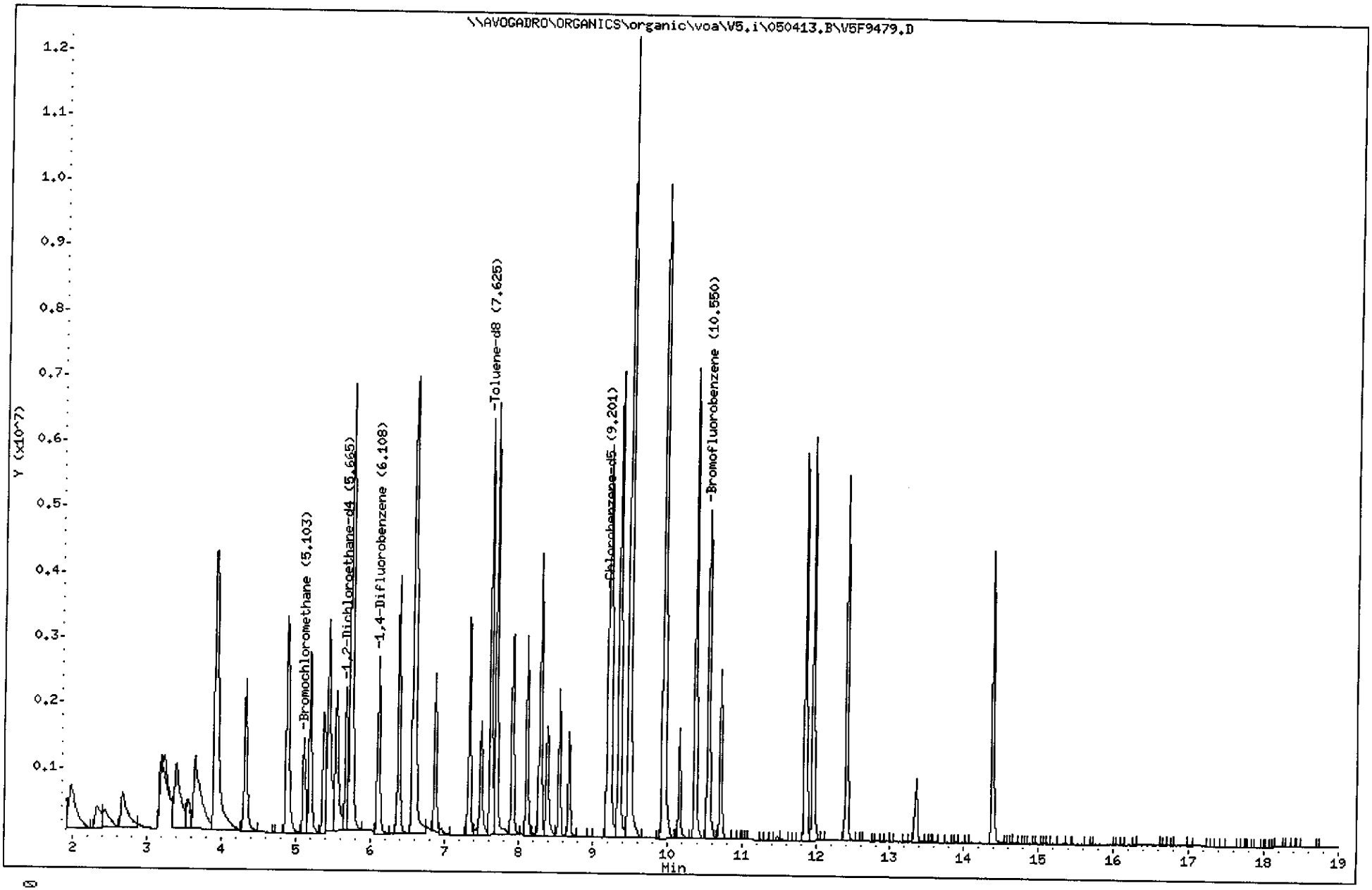
SB 5/6/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9479.D
Date : 13-APR-2005 14:26
Client ID: VSTD1005Z
Sample Info: ,VSTD1005Z,VSTD1005Z

Instrument: v5.i

Operator: JC
Column diameter: 0.25

Column phase: DB-624



0167

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9479.D
Report Date: 06-May-2005 13:19

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9479.D
Lab Smp Id: VSTD1005Z Client Smp ID: VSTD1005Z
Inj Date : 13-APR-2005 14:26
Operator : JC Inst ID: v5.i
Smp Info : ,VSTD1005Z,VSTD1005Z
Misc Info : ,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\v5clp4h.m
Meth Date : 13-Apr-2005 15:47 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 11:17 Cal File: V5F9476.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.676	1.681	(0.328)	2351048	100.000	98
2 Chloromethane	50	1.863	1.858	(0.364)	2108545	100.000	96
3 Vinyl Chloride	62	1.971	1.977	(0.386)	1852654	100.000	99
4 Bromomethane	94	2.316	2.331	(0.453)	863109	100.000	96
5 Chloroethane	64	2.434	2.439	(0.476)	705451	100.000	91
6 Trichlorofluoromethane	101	2.671	2.676	(0.522)	1829165	100.000	97
7 1,1-Dichloroethene	96	3.173	3.178	(0.621)	993833	100.000	100
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.202	3.208	(0.626)	931433	100.000	93
9 Acetone	43	3.232	3.227	(0.632)	668664	100.000	77
10 Carbon Disulfide	76	3.390	3.395	(0.663)	3787338	100.000	97
11 Methyl Acetate	43	3.931	3.927	(0.769)	982297	100.000	89
12 Methylene Chloride	84	3.646	3.641	(0.713)	1586535	100.000	130
13 trans-1,2-Dichloroethene	96	3.912	3.917	(0.765)	1473223	100.000	100
14 Methyl tert-Butyl Ether	73	3.931	3.927	(0.769)	4142468	100.000	96
15 1,1-Dichloroethane	63	4.315	4.321	(0.844)	3178215	100.000	97

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9479.D
Report Date: 06-May-2005 13:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 2-Butanone	43	4.896	4.892	(0.958)	1148760	100.000	94
	17 cis-1,2-Dichloroethene	96	4.877	4.882	(0.954)	1508258	100.000	96
*	18 Bromochloromethane	128	5.113	5.109	(1.000)	505378	50.0000	
	19 Chloroform	83	5.182	5.188	(1.013)	2712632	100.000	96
	20 1,1,1-Trichloroethane	97	5.369	5.375	(0.879)	1704561	100.000	88
	21 Cyclohexane	56	5.438	5.434	(0.890)	2927684	100.000	93
	22 Carbon Tetrachloride	117	5.537	5.542	(0.906)	1595547	100.000	91
$	23 1,2-Dichloroethane-d4	65	5.665	5.670	(1.108)	1940657	100.000	93
	24 1,2-Dichloroethane	62	5.744	5.739	(1.123)	1982191	100.000	93
	25 Benzene	78	5.734	5.739	(0.939)	5831989	100.000	93
*	26 1,4-Difluorobenzene	114	6.108	6.104	(1.000)	2586481	50.0000	
	27 Trichloroethene	130	6.374	6.379	(1.044)	1541493	100.000	93
	28 Methylcyclohexane	83	6.581	6.576	(1.077)	2486602	100.000	96
	29 1,2-Dichloropropane	63	6.591	6.596	(1.079)	1677292	100.000	91
	30 Bromodichloromethane	83	6.866	6.872	(1.124)	2005997	100.000	91
	31 cis-1,3-Dichloropropene	75	7.329	7.335	(1.200)	2378049	100.000	92
	32 4-Methyl-2-Pentanone	43	7.487	7.492	(0.814)	1760479	100.000	93
$	33 Toluene-d8	98	7.625	7.620	(0.829)	4945238	100.000	96
	34 Toluene	91	7.694	7.699	(0.836)	5476518	100.000	97
	35 trans-1,3-Dichloropropene	75	7.920	7.916	(1.297)	2125644	100.000	91
	36 1,1,2-Trichloroethane	97	8.117	8.113	(1.329)	1128422	100.000	92
	37 Tetrachloroethene	164	8.295	8.290	(0.902)	1212496	100.000	100
	38 2-Hexanone	43	8.383	8.389	(0.911)	1623251	100.000	96
	39 Dibromochloromethane	129	8.551	8.546	(1.400)	1423903	100.000	92
	40 1,2-Dibromoethane	107	8.679	8.684	(0.943)	1327885	100.000	96
*	42 Chlorobenzene-d5	117	9.201	9.196	(1.000)	2250238	50.0000	
	43 Chlorobenzene	112	9.230	9.236	(1.003)	3643213	100.000	96
	44 Ethylbenzene	106	9.358	9.354	(1.017)	1861330	100.000	99
	45 m,p-Xylene	106	9.486	9.492	(1.031)	4508822	200.000	190
	46 o-Xylene	106	9.949	9.945	(1.081)	2214740	100.000	97
	47 Styrene	104	9.959	9.955	(1.082)	2947476	100.000	97
	48 Bromoform	173	10.166	10.171	(1.664)	961812	100.000	90
	49 Isopropylbenzene	105	10.373	10.378	(1.127)	5834044	100.000	98
$	50 Bromofluorobenzene	95	10.550	10.556	(1.147)	2141536	100.000	92
	51 1,1,2,2-Tetrachloroethane	83	10.708	10.713	(1.164)	1838431	100.000	93
M	41 Xylene (Total)	106				6723562	100.000	290
	52 1,3-Dichlorobenzene	146	11.850	11.856	(1.288)	3164070	100.000	97
	53 1,4-Dichlorobenzene	146	11.959	11.964	(1.300)	3167336	100.000	95
	54 1,2-Dichlorobenzene	146	12.412	12.407	(1.349)	2929683	100.000	95
	55 1,2-Dibromo-3-chloropropane	75	13.347	13.353	(1.451)	298600	100.000	93
	56 1,2,4-Trichlorobenzene	180	14.382	14.387	(1.563)	1720976	100.000	91

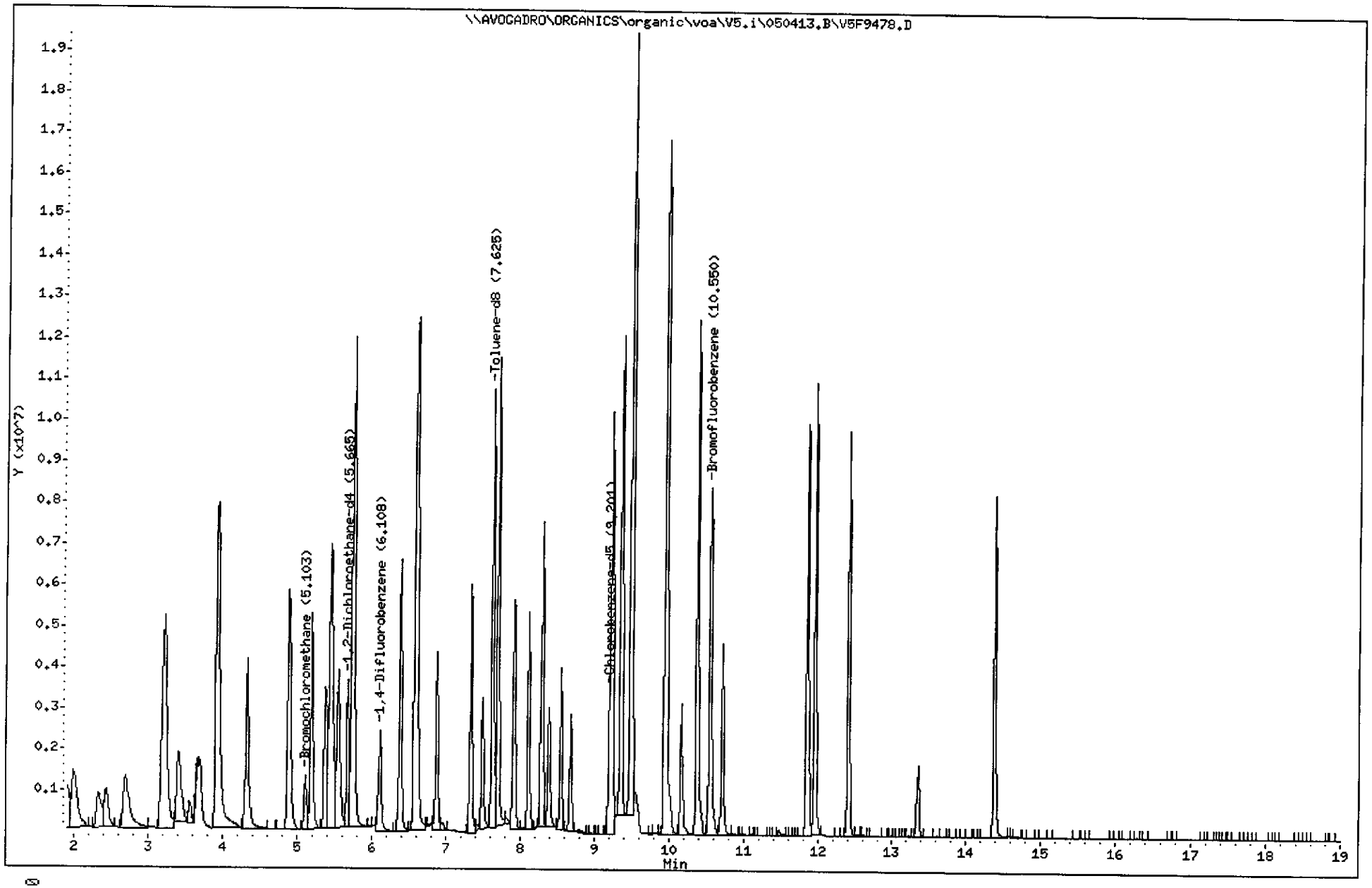
SB 5/6/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9478.D
Date : 13-APR-2005 13:40
Client ID: VSTD2005Z
Sample Info: ,VSTD2005Z,VSTD2005Z

Instrument: v5.i

Operator: JC
Column diameter: 0.25

Column phase: DB-624



0170

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9478.D
Report Date: 06-May-2005 13:19

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9478.D
Lab Smp Id: VSTD2005Z Client Smp ID: VSTD2005Z
Inj Date : 13-APR-2005 13:40
Operator : JC Inst ID: v5.i
Smp Info : ,VSTD2005Z,VSTD2005Z
Misc Info : ,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\v5clp4h.m
Meth Date : 13-Apr-2005 15:47 mtl Quant Type: ISTD
Cal Date : 13-APR-2005 11:17 Cal File: V5F9476.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.686	1.681	(0.330)	4638936	200.000	210(A)
2 Chloromethane	50	1.873	1.858	(0.366)	3956579	200.000	200
3 Vinyl Chloride	62	1.991	1.977	(0.389)	3649116	200.000	220(A)
4 Bromomethane	94	2.326	2.331	(0.455)	1689026	200.000	200(A)
5 Chloroethane	64	2.424	2.439	(0.474)	1406555	200.000	190
6 Trichlorofluoromethane	101	2.680	2.676	(0.524)	3647211	200.000	210(A)
7 1,1-Dichloroethene	96	3.193	3.178	(0.624)	1818202	200.000	210(A)
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.212	3.208	(0.628)	2448511	200.000	270(A)
9 Acetone	43	3.222	3.227	(0.630)	1257919	200.000	150
10 Carbon Disulfide	76	3.409	3.395	(0.667)	7260010	200.000	200(A)
11 Methyl Acetate	43	3.921	3.927	(0.767)	1838247	200.000	180
12 Methylene Chloride	84	3.685	3.641	(0.721)	2228276	200.000	220(A)
13 trans-1,2-Dichloroethene	96	3.912	3.917	(0.765)	2731509	200.000	210(A)
14 Methyl tert-Butyl Ether	73	3.931	3.927	(0.769)	7204038	200.000	180
15 1,1-Dichloroethane	63	4.315	4.321	(0.844)	5859680	200.000	200

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9478.D
Report Date: 06-May-2005 13:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 2-Butanone	43	4.887	4.892	(0.956)	2052862	200.000	180
	17 cis-1,2-Dichloroethene	96	4.877	4.882	(0.954)	2809266	200.000	200
*	18 Bromochloromethane	128	5.113	5.109	(1.000)	455483	50.0000	
	19 Chloroform	83	5.182	5.188	(1.013)	4991468	200.000	190
	20 1,1,1-Trichloroethane	97	5.369	5.375	(0.879)	3714127	200.000	210(A)
	21 Cyclohexane	56	5.438	5.434	(0.890)	5712942	200.000	200
	22 Carbon Tetrachloride	117	5.537	5.542	(0.906)	3280310	200.000	200(A)
$	23 1,2-Dichloroethane-d4	65	5.665	5.670	(1.108)	3362836	200.000	170
	24 1,2-Dichloroethane	62	5.744	5.739	(1.123)	3630200	200.000	190
	25 Benzene	78	5.734	5.739	(0.939)	10041562	200.000	180
*	26 1,4-Difluorobenzene	114	6.108	6.104	(1.000)	2295611	50.0000	
	27 Trichloroethene	130	6.374	6.379	(1.044)	2799914	200.000	190
	28 Methylcyclohexane	83	6.581	6.576	(1.077)	4576605	200.000	200
	29 1,2-Dichloropropane	63	6.591	6.596	(1.079)	2858977	200.000	170
	30 Bromodichloromethane	83	6.866	6.872	(1.124)	3682903	200.000	180
	31 cis-1,3-Dichloropropene	75	7.329	7.335	(1.200)	4448791	200.000	190
	32 4-Methyl-2-Pentanone	43	7.487	7.492	(0.814)	3052913	200.000	170
$	33 Toluene-d8	98	7.625	7.620	(0.829)	8078827	200.000	160
	34 Toluene	91	7.694	7.699	(0.836)	9308292	200.000	170
	35 trans-1,3-Dichloropropene	75	7.910	7.916	(1.295)	3961331	200.000	190
	36 1,1,2-Trichloroethane	97	8.117	8.113	(1.329)	1946642	200.000	170
	37 Tetrachloroethene	164	8.295	8.290	(0.902)	2138758	200.000	190
	38 2-Hexanone	43	8.383	8.389	(0.911)	2811025	200.000	170
	39 Dibromochloromethane	129	8.551	8.546	(1.400)	2676903	200.000	190
	40 1,2-Dibromoethane	107	8.679	8.684	(0.943)	2447057	200.000	190
*	42 Chlorobenzene-d5	117	9.201	9.196	(1.000)	2119307	50.0000	
	43 Chlorobenzene	112	9.230	9.236	(1.003)	6507801	200.000	180
	44 Ethylbenzene	106	9.358	9.354	(1.017)	3406006	200.000	190
	45 m,p-Xylene	106	9.496	9.492	(1.032)	7965699	400.000	360
	46 o-Xylene	106	9.949	9.945	(1.081)	3934261	200.000	180
	47 Styrene	104	9.959	9.955	(1.082)	5114223	200.000	180
	48 Bromoform	173	10.166	10.171	(1.664)	1826622	200.000	190
	49 Isopropylbenzene	105	10.373	10.378	(1.127)	10394310	200.000	180
$	50 Bromofluorobenzene	95	10.550	10.556	(1.147)	3688808	200.000	160
	51 1,1,2,2-Tetrachloroethane	83	10.708	10.713	(1.164)	3299571	200.000	170
M	41 Xylene (Total)	106				11899960	200.000	550
	52 1,3-Dichlorobenzene	146	11.860	11.856	(1.289)	5613662	200.000	180
	53 1,4-Dichlorobenzene	146	11.959	11.964	(1.300)	5672123	200.000	180
	54 1,2-Dichlorobenzene	146	12.412	12.407	(1.349)	5244148	200.000	180
	55 1,2-Dibromo-3-chloropropane	75	13.347	13.353	(1.451)	538478	200.000	170
	56 1,2,4-Trichlorobenzene	180	14.382	14.387	(1.563)	3138400	200.000	170

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

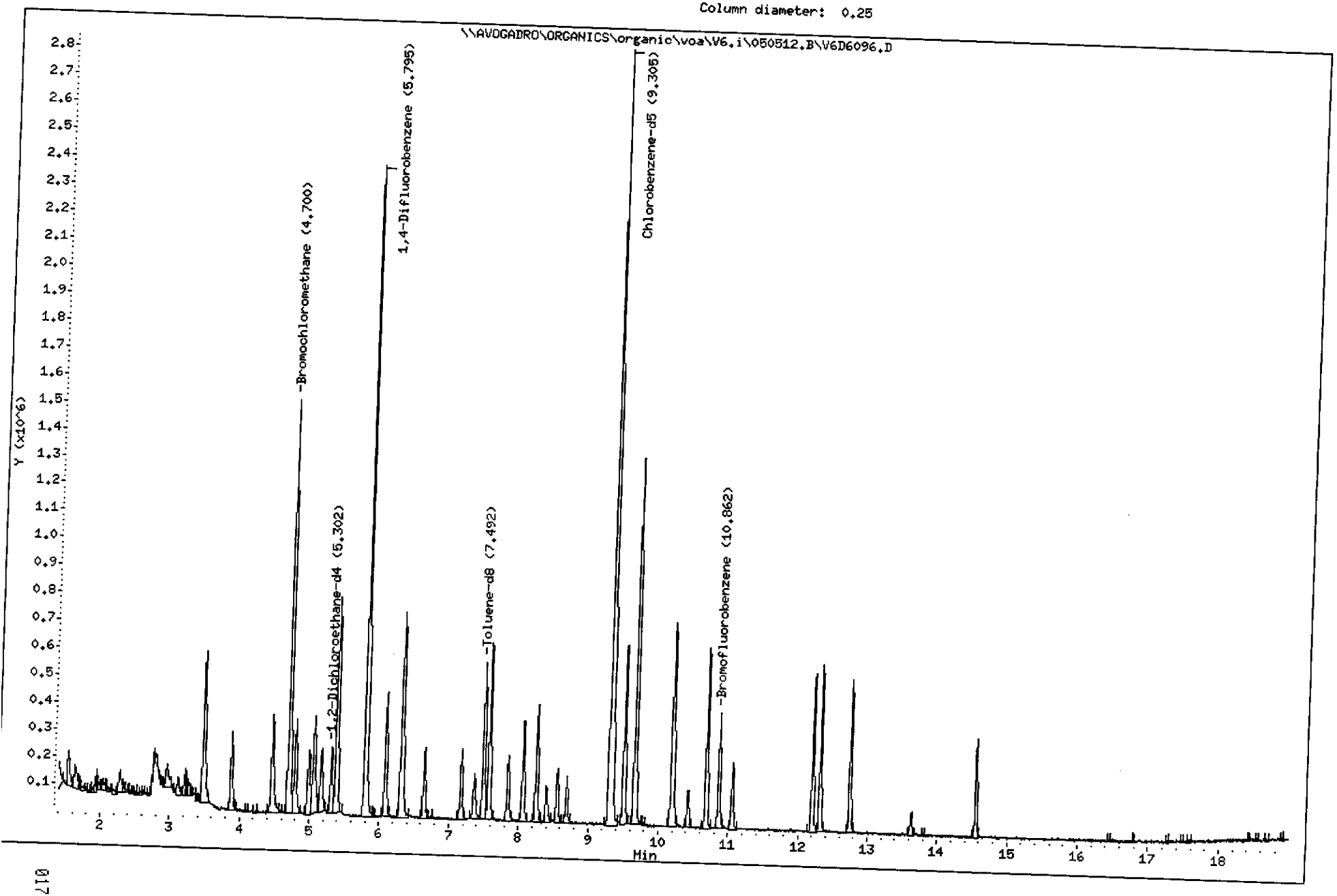
SB 5/6/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6096.D
Date : 12-MAY-2005 15:06
Client ID: VSTD0106B
Sample Info: ,VSTD0106B,VSTD0106B
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25

COPY
Original Documents Are Included in CSF
Signed: _____ Date: _____



0173

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6096.D
Report Date: 13-May-2005 09:08

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6096.D
Lab Smp Id: VSTD0106B Client Smp ID: VSTD0106B
Inj Date : 12-MAY-2005 15:06
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0106B,VSTD0106B
Misc Info : ,1,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\v6clp4s.m
Meth Date : 13-May-2005 09:08 mtl Quant Type: ISTD
Cal Date : 12-MAY-2005 12:40 Cal File: V6D6091.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.03 Compound Sublist: CLP4.sub
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.378	1.374	(0.293)	164394	10.0000	10
2 Chloromethane	50	1.530	1.532	(0.326)	212300	10.0000	11
3 Vinyl Chloride	62	1.634	1.635	(0.348)	157911	10.0000	10
4 Bromomethane	94	1.944	1.940	(0.414)	76403	10.0000	10
5 Chloroethane	64	2.041	2.049	(0.434)	76450	10.0000	10
6 Trichlorofluoromethane	101	2.272	2.274	(0.484)	96612	10.0000	7(a)
7 1,1-Dichloroethene	96	2.753	2.755	(0.586)	69544	10.0000	7(a)
9 Acetone	43	2.796	2.791	(0.595)	81892	10.0000	14
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.759	2.773	(0.587)	65429	10.0000	8(a)
10 Carbon Disulfide	76	2.960	2.955	(0.630)	321292	10.0000	10
11 Methyl Acetate	43	3.112	3.114	(0.662)	96915	10.0000	10
12 Methylene Chloride	84	3.228	3.217	(0.687)	105109	10.0000	10
13 trans-1,2-Dichloroethene	96	3.471	3.473	(0.739)	147174	10.0000	10
14 Methyl tert-Butyl Ether	73	3.483	3.485	(0.741)	350864	10.0000	9(a)
15 1,1-Dichloroethane	63	3.872	3.874	(0.824)	320135	10.0000	10
16 2-Butanone	43	4.487	4.482	(0.955)	143047	10.0000	11

COPY

Original Documents Are Included in CSF_____

Signed:_____ Date:_____

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6096.D
Report Date: 13-May-2005 09:08

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.463	4.458	(0.950)	146650	10.0000	9(a)
*	18 Bromochloromethane	128	4.700	4.701	(1.000)	396679	50.0000	
	19 Chloroform	83	4.791	4.793	(1.019)	282408	10.0000	10
	20 1,1,1-Trichloroethane	97	4.986	4.987	(0.860)	187847	10.0000	10
	21 Cyclohexane	56	5.053	5.048	(0.872)	228822	10.0000	8(a)
	22 Carbon Tetrachloride	117	5.162	5.164	(0.891)	163149	10.0000	9(a)
$	23 1,2-Dichloroethane-d4	65	5.302	5.304	(1.128)	212790	10.0000	10
	25 Benzene	78	5.375	5.377	(0.928)	579852	10.0000	10
	24 1,2-Dichloroethane	62	5.387	5.383	(1.146)	255321	10.0000	10
*	26 1,4-Difluorobenzene	114	5.795	5.796	(1.000)	2067898	50.0000	
	27 Trichloroethene	130	6.081	6.088	(1.049)	173918	10.0000	10
	28 Methylcyclohexane	83	6.306	6.307	(1.088)	194428	10.0000	9(a)
	29 1,2-Dichloropropane	63	6.324	6.326	(1.091)	189157	10.0000	10
	30 Bromodichloromethane	83	6.640	6.642	(1.146)	185657	10.0000	9(a)
	31 cis-1,3-Dichloropropene	75	7.170	7.171	(1.237)	164935	10.0000	8(a)
	32 4-Methyl-2-Pentanone	43	7.364	7.360	(0.791)	171828	10.0000	8(a)
$	33 Toluene-d8	98	7.492	7.494	(0.805)	459419	10.0000	9(a)
	34 Toluene	91	7.577	7.573	(0.814)	556515	10.0000	9(a)
	35 trans-1,3-Dichloropropene	75	7.839	7.840	(1.353)	149130	10.0000	8(a)
	36 1,1,2-Trichloroethane	97	8.058	8.059	(1.391)	139124	10.0000	9(a)
	37 Tetrachloroethene	164	8.252	8.254	(0.887)	111826	10.0000	9(a)
	38 2-Hexanone	43	8.405	8.394	(0.903)	131122	10.0000	9(a)
	39 Dibromochloromethane	129	8.557	8.552	(1.477)	138376	10.0000	9(a)
	40 1,2-Dibromoethane	107	8.691	8.692	(0.934)	146078	10.0000	9(a)
*	42 Chlorobenzene-d5	117	9.305	9.307	(1.000)	1888060	50.0000	
	43 Chlorobenzene	112	9.341	9.343	(1.004)	408022	10.0000	10
	44 Ethylbenzene	106	9.506	9.501	(1.022)	178834	10.0000	8(a)
	45 m,p-Xylene	106	9.664	9.665	(1.039)	485608	20.0000	18
	46 o-Xylene	106	10.187	10.189	(1.095)	219569	10.0000	9(a)
	47 Styrene	104	10.205	10.207	(1.097)	189494	10.0000	9(a)
	48 Bromoform	173	10.424	10.426	(1.799)	78979	10.0000	8(a)
	49 Isopropylbenzene	105	10.680	10.681	(1.148)	490603	10.0000	8(a)
$	50 Bromofluorobenzene	95	10.862	10.864	(1.167)	164946	10.0000	9(a)
	51 1,1,2,2-Tetrachloroethane	83	11.057	11.059	(1.188)	151623	10.0000	9(a)
M	41 Xylene (Total)	106				705177	10.0000	27
	52 1,3-Dichlorobenzene	146	12.207	12.202	(1.312)	265595	10.0000	9(a)
	53 1,4-Dichlorobenzene	146	12.310	12.312	(1.323)	283283	10.0000	9(a)
	54 1,2-Dichlorobenzene	146	12.742	12.744	(1.369)	264307	10.0000	9(a)
	55 1,2-Dibromo-3-chloropropane	75	13.624	13.626	(1.464)	25513	10.0000	8(a)
	56 1,2,4-Trichlorobenzene	180	14.555	14.551	(1.564)	125801	10.0000	7(a)

QC Flag Legend

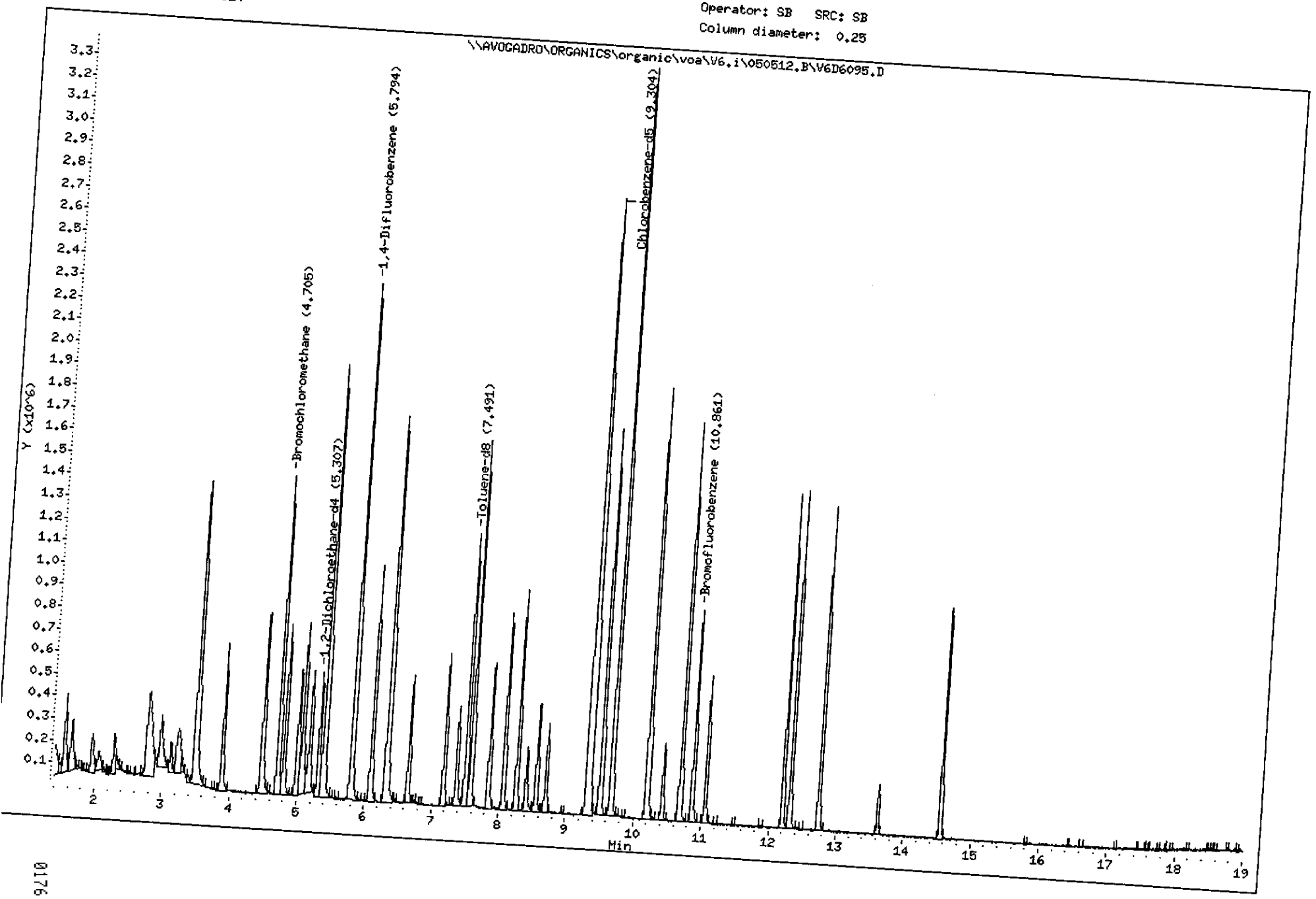
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SB 5/13/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6095.D
Date : 12-MAY-2005 14:25
Client ID: VSTD0206B
Sample Info: ,VSTD0206B,VSTD0206B
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25



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Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6095.D
Report Date: 13-May-2005 09:08

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6095.D
Lab Smp Id: VSTD0206B Client Smp ID: VSTD0206B
Inj Date : 12-MAY-2005 14:25
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0206B,VSTD0206B
Misc Info : ,1,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\v6clp4s.m
Meth Date : 13-May-2005 09:08 mtl Quant Type: ISTD
Cal Date : 12-MAY-2005 12:40 Cal File: V6D6091.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.03 Compound Sublist: CLP4.sub
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.371	1.374	(0.291)	360388	20.0000	21
2 Chloromethane	50	1.529	1.532	(0.325)	437276	20.0000	23
3 Vinyl Chloride	62	1.633	1.635	(0.347)	349729	20.0000	23
4 Bromomethane	94	1.937	1.940	(0.412)	178695	20.0000	24
5 Chloroethane	64	2.040	2.049	(0.434)	169533	20.0000	24
6 Trichlorofluoromethane	101	2.271	2.274	(0.483)	332590	20.0000	24
7 1,1-Dichloroethene	96	2.764	2.755	(0.588)	239699	20.0000	24
9 Acetone	43	2.795	2.791	(0.594)	93917	20.0000	18
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.770	2.773	(0.589)	190735	20.0000	22
10 Carbon Disulfide	76	2.953	2.955	(0.628)	785152	20.0000	24
11 Methyl Acetate	43	3.111	3.114	(0.661)	230916	20.0000	23
12 Methylene Chloride	84	3.227	3.217	(0.686)	187870	20.0000	19
13 trans-1,2-Dichloroethene	96	3.470	3.473	(0.738)	333145	20.0000	23
14 Methyl tert-Butyl Ether	73	3.488	3.485	(0.741)	885152	20.0000	22
15 1,1-Dichloroethane	63	3.877	3.874	(0.824)	742702	20.0000	23
16 2-Butanone	43	4.486	4.482	(0.953)	236129	20.0000	19

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6095.D
Report Date: 13-May-2005 09:08

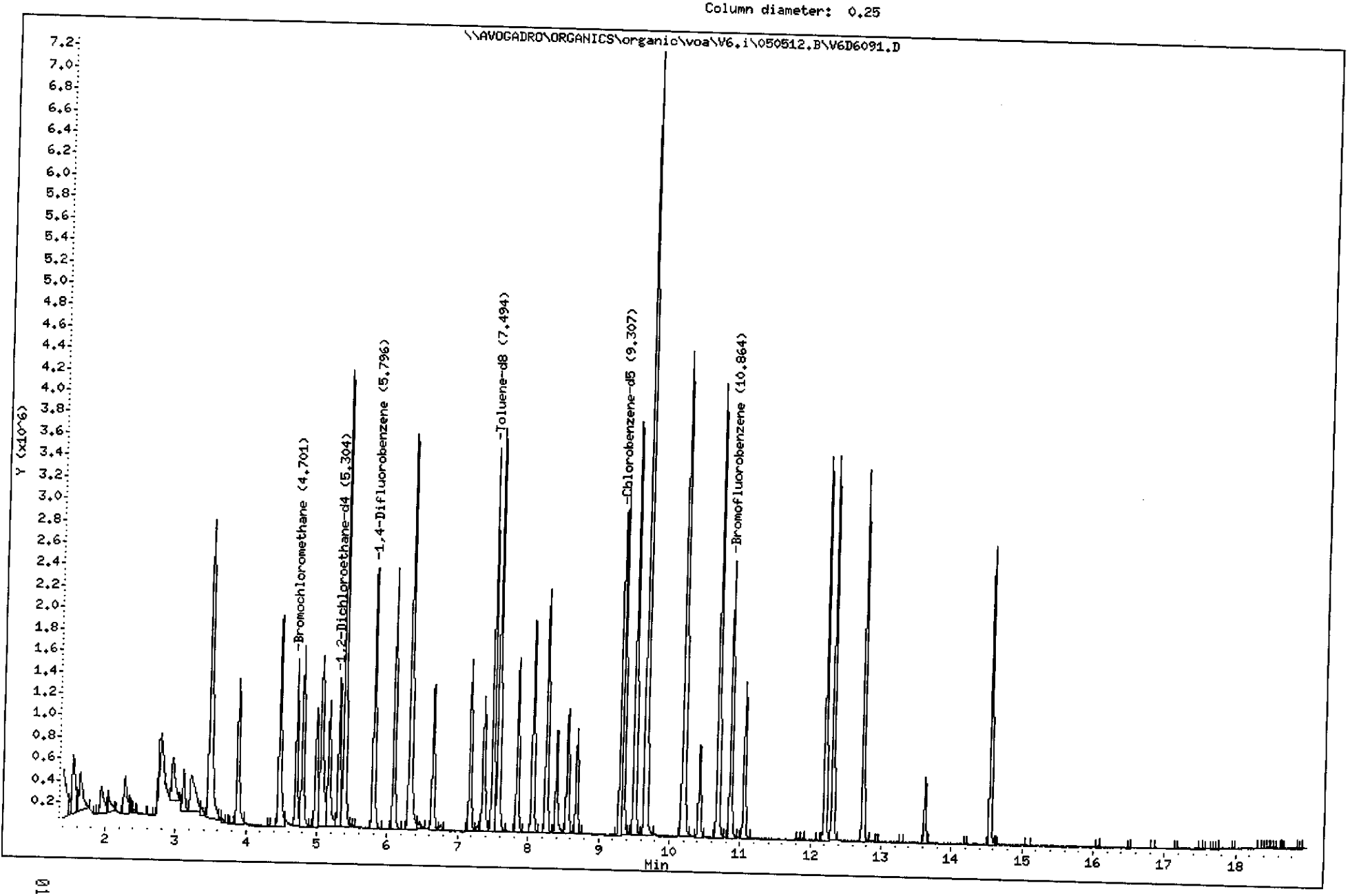
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.468	4.458	(0.950)	339909	20.0000	21
*	18 Bromochloromethane	128	4.705	4.701	(1.000)	394855	50.0000	
	19 Chloroform	83	4.790	4.793	(1.018)	640555	20.0000	23
	20 1,1,1-Trichloroethane	97	4.985	4.987	(0.860)	451641	20.0000	24
	21 Cyclohexane	56	5.058	5.048	(0.873)	552473	20.0000	20
	22 Carbon Tetrachloride	117	5.167	5.164	(0.892)	387221	20.0000	23
$	23 1,2-Dichloroethane-d4	65	5.307	5.304	(1.128)	451813	20.0000	22
	25 Benzene	78	5.374	5.377	(0.928)	1352273	20.0000	23
	24 1,2-Dichloroethane	62	5.386	5.383	(1.145)	583010	20.0000	23
*	26 1,4-Difluorobenzene	114	5.794	5.796	(1.000)	2009538	50.0000	
	27 Trichloroethene	130	6.086	6.088	(1.050)	390404	20.0000	22
	28 Methylcyclohexane	83	6.311	6.307	(1.089)	443151	20.0000	21
	29 1,2-Dichloropropane	63	6.323	6.326	(1.091)	436599	20.0000	23
	30 Bromodichloromethane	83	6.639	6.642	(1.146)	442287	20.0000	22
	31 cis-1,3-Dichloropropene	75	7.169	7.171	(1.237)	438874	20.0000	22
	32 4-Methyl-2-Pentanone	43	7.363	7.360	(0.791)	431378	20.0000	21
$	33 Toluene-d8	98	7.497	7.494	(0.806)	975693	20.0000	20
	34 Toluene	91	7.576	7.573	(0.814)	1403634	20.0000	23
	35 trans-1,3-Dichloropropene	75	7.844	7.840	(1.354)	413485	20.0000	21
	36 1,1,2-Trichloroethane	97	8.063	8.059	(1.392)	321830	20.0000	22
	37 Tetrachloroethene	164	8.258	8.254	(0.888)	277284	20.0000	23
	38 2-Hexanone	43	8.397	8.394	(0.903)	277837	20.0000	19
	39 Dibromochloromethane	129	8.556	8.552	(1.477)	320630	20.0000	22
	40 1,2-Dibromoethane	107	8.690	8.692	(0.934)	345459	20.0000	22
*	42 Chlorobenzene-d5	117	9.304	9.307	(1.000)	1856273	50.0000	
	43 Chlorobenzene	112	9.340	9.343	(1.004)	955999	20.0000	23
	44 Ethylbenzene	106	9.505	9.501	(1.022)	483387	20.0000	22
	45 m,p-Xylene	106	9.663	9.665	(1.039)	1215849	40.0000	46
	46 o-Xylene	106	10.186	10.189	(1.095)	560617	20.0000	22
	47 Styrene	104	10.210	10.207	(1.097)	353652	20.0000	19
	48 Bromoform	173	10.417	10.426	(1.798)	203392	20.0000	21
	49 Isopropylbenzene	105	10.679	10.681	(1.148)	1372535	20.0000	23
$	50 Bromofluorobenzene	95	10.861	10.864	(1.167)	381232	20.0000	20
	51 1,1,2,2-Tetrachloroethane	83	11.056	11.059	(1.188)	394524	20.0000	22
M	41 Xylene (Total)	106				1776466	20.0000	69
	52 1,3-Dichlorobenzene	146	12.200	12.202	(1.311)	686138	20.0000	23
	53 1,4-Dichlorobenzene	146	12.309	12.312	(1.323)	721193	20.0000	23
	54 1,2-Dichlorobenzene	146	12.741	12.744	(1.369)	661915	20.0000	22
	55 1,2-Dibromo-3-chloropropane	75	13.623	13.626	(1.464)	70326	20.0000	21
	56 1,2,4-Trichlorobenzene	180	14.548	14.551	(1.564)	338140	20.0000	21

(SB)
5/13/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6091.D
Date : 12-MAY-2005 12:40
Client ID: VSTD0506B
Sample Info: ,VSTD0506B,VSTD0506B
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25



0179

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6091.D
Report Date: 13-May-2005 09:08

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6091.D
Lab Smp Id: VSTD0506B Client Smp ID: VSTD0506B
Inj Date : 12-MAY-2005 12:40
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0506B,VSTD0506B
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\v6clp4s.m
Meth Date : 13-May-2005 09:08 mtl Quant Type: ISTD
Cal Date : 12-MAY-2005 12:40 Cal File: V6D6091.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.374	1.374	(0.292)	857916	50.0000	50
2 Chloromethane	50	1.532	1.532	(0.326)	936981	50.0000	50
3 Vinyl Chloride	62	1.635	1.635	(0.348)	773556	50.0000	50
4 Bromomethane	94	1.940	1.940	(0.413)	360503	50.0000	50
5 Chloroethane	64	2.049	2.049	(0.436)	365214	50.0000	50
6 Trichlorofluoromethane	101	2.274	2.274	(0.484)	653603	50.0000	50
7 1,1-Dichloroethene	96	2.755	2.755	(0.586)	462813	50.0000	50
9 Acetone	43	2.791	2.791	(0.594)	387213	50.0000	50
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.773	2.773	(0.590)	388477	50.0000	50
10 Carbon Disulfide	76	2.955	2.955	(0.629)	1580218	50.0000	50
11 Methyl Acetate	43	3.114	3.114	(0.662)	511176	50.0000	50
12 Methylene Chloride	84	3.217	3.217	(0.684)	544156	50.0000	50
13 trans-1,2-Dichloroethene	96	3.473	3.473	(0.739)	759819	50.0000	50
14 Methyl tert-Butyl Ether	73	3.485	3.485	(0.741)	2060012	50.0000	50
15 1,1-Dichloroethane	63	3.874	3.874	(0.824)	1641882	50.0000	50
16 2-Butanone	43	4.482	4.482	(0.953)	798428	50.0000	50

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6091.D
Report Date: 13-May-2005 09:08

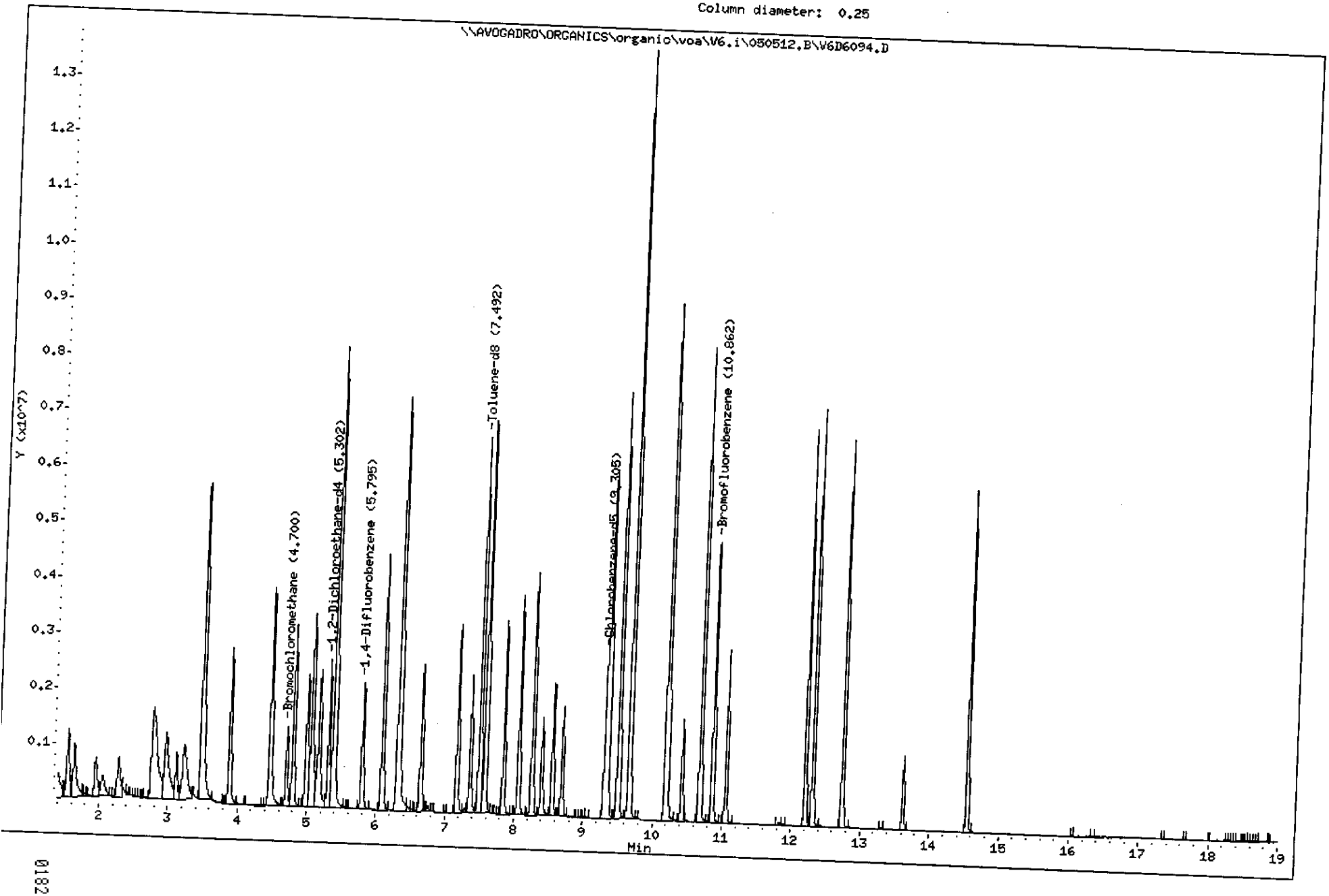
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.458	4.458	(0.948)	819702	50.0000	50
*	18 Bromochloromethane	128	4.701	4.701	(1.000)	419825	50.0000	
	19 Chloroform	83	4.793	4.793	(1.019)	1388537	50.0000	50
	20 1,1,1-Trichloroethane	97	4.987	4.987	(0.860)	903258	50.0000	50
	21 Cyclohexane	56	5.048	5.048	(0.871)	1434091	50.0000	50
	22 Carbon Tetrachloride	117	5.164	5.164	(0.891)	812337	50.0000	50
$	23 1,2-Dichloroethane-d4	65	5.304	5.304	(1.128)	1041866	50.0000	50
	25 Benzene	78	5.377	5.377	(0.928)	2978412	50.0000	50
	24 1,2-Dichloroethane	62	5.383	5.383	(1.145)	1293253	50.0000	50
*	26 1,4-Difluorobenzene	114	5.796	5.796	(1.000)	2149059	50.0000	
	27 Trichloroethene	130	6.088	6.088	(1.050)	946532	50.0000	50
	28 Methylcyclohexane	83	6.307	6.307	(1.088)	1119082	50.0000	50
	29 1,2-Dichloropropane	63	6.326	6.326	(1.091)	932912	50.0000	50
	30 Bromodichloromethane	83	6.642	6.642	(1.146)	1004784	50.0000	50
	31 cis-1,3-Dichloropropene	75	7.171	7.171	(1.237)	1067630	50.0000	50
	32 4-Methyl-2-Pentanone	43	7.360	7.360	(0.791)	1169728	50.0000	50
$	33 Toluene-d8	98	7.494	7.494	(0.805)	2738255	50.0000	50
	34 Toluene	91	7.573	7.573	(0.814)	3172674	50.0000	50
	35 trans-1,3-Dichloropropene	75	7.840	7.840	(1.353)	1008782	50.0000	50
	36 1,1,2-Trichloroethane	97	8.059	8.059	(1.390)	741740	50.0000	50
	37 Tetrachloroethene	164	8.254	8.254	(0.887)	652468	50.0000	50
	38 2-Hexanone	43	8.394	8.394	(0.902)	897062	50.0000	50
	39 Dibromochloromethane	129	8.552	8.552	(1.475)	778219	50.0000	50
	40 1,2-Dibromoethane	107	8.692	8.692	(0.934)	822606	50.0000	50
*	42 Chlorobenzene-d5	117	9.307	9.307	(1.000)	1965254	50.0000	
	43 Chlorobenzene	112	9.343	9.343	(1.004)	2153403	50.0000	50
	44 Ethylbenzene	106	9.501	9.501	(1.021)	1110946	50.0000	50
	45 m,p-Xylene	106	9.665	9.665	(1.039)	2791289	100.000	100
	46 o-Xylene	106	10.189	10.189	(1.095)	1347493	50.0000	50
	47 Styrene	104	10.207	10.207	(1.097)	1138030	50.0000	50
	48 Bromoform	173	10.426	10.426	(1.799)	498133	50.0000	50
	49 Isopropylbenzene	105	10.681	10.681	(1.148)	3311151	50.0000	50
$	50 Bromofluorobenzene	95	10.864	10.864	(1.167)	1060670	50.0000	50
	51 1,1,2,2-Tetrachloroethane	83	11.059	11.059	(1.188)	876381	50.0000	50
M	41 Xylene (Total)	106				4138782	50.0000	150
	52 1,3-Dichlorobenzene	146	12.202	12.202	(1.311)	1647442	50.0000	50
	53 1,4-Dichlorobenzene	146	12.312	12.312	(1.323)	1698718	50.0000	50
	54 1,2-Dichlorobenzene	146	12.744	12.744	(1.369)	1580462	50.0000	50
	55 1,2-Dibromo-3-chloropropane	75	13.626	13.626	(1.464)	167940	50.0000	50
	56 1,2,4-Trichlorobenzene	180	14.551	14.551	(1.563)	903584	50.0000	50

SB
5/13/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6094.D
Date : 12-MAY-2005 13:58
Client ID: VSTD1006B
Sample Info: ,VSTD1006B,VSTD1006B
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25



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Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6094.D
Report Date: 13-May-2005 09:08

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6094.D
Lab Smp Id: VSTD1006B
Client Smp ID: VSTD1006B
Inj Date : 12-MAY-2005 13:58
Operator : SB SRC: SB
Inst ID: V6.i
Smp Info : ,VSTD1006B,VSTD1006B
Misc Info : ,1,4
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\v6clp4s.m
Meth Date : 13-May-2005 09:08 mtl
Quant Type: ISTD
Cal Date : 12-MAY-2005 12:40
Cal File: V6D6091.D
Als bottle: 4
Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.372	1.374	(0.292)	1788016	100.000	110
2 Chloromethane	50	1.536	1.532	(0.327)	1838785	100.000	100
3 Vinyl Chloride	62	1.634	1.635	(0.348)	1532238	100.000	100
4 Bromomethane	94	1.938	1.940	(0.412)	743385	100.000	110
5 Chloroethane	64	2.041	2.049	(0.434)	698790	100.000	100
6 Trichlorofluoromethane	101	2.272	2.274	(0.484)	1480866	100.000	110
7 1,1-Dichloroethene	96	2.759	2.755	(0.587)	1020098	100.000	110
9 Acetone	43	2.789	2.791	(0.594)	479262	100.000	90
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.771	2.773	(0.590)	941585	100.000	110
10 Carbon Disulfide	76	2.954	2.955	(0.628)	3349362	100.000	110
11 Methyl Acetate	43	3.112	3.114	(0.662)	1037537	100.000	110
12 Methylene Chloride	84	3.228	3.217	(0.687)	1085242	100.000	110
13 trans-1,2-Dichloroethene	96	3.471	3.473	(0.739)	1509672	100.000	110
14 Methyl tert-Butyl Ether	73	3.489	3.485	(0.742)	4009245	100.000	100
15 1,1-Dichloroethane	63	3.878	3.874	(0.825)	3230202	100.000	100
16 2-Butanone	43	4.481	4.482	(0.953)	1208966	100.000	97

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6094.D
Report Date: 13-May-2005 09:08

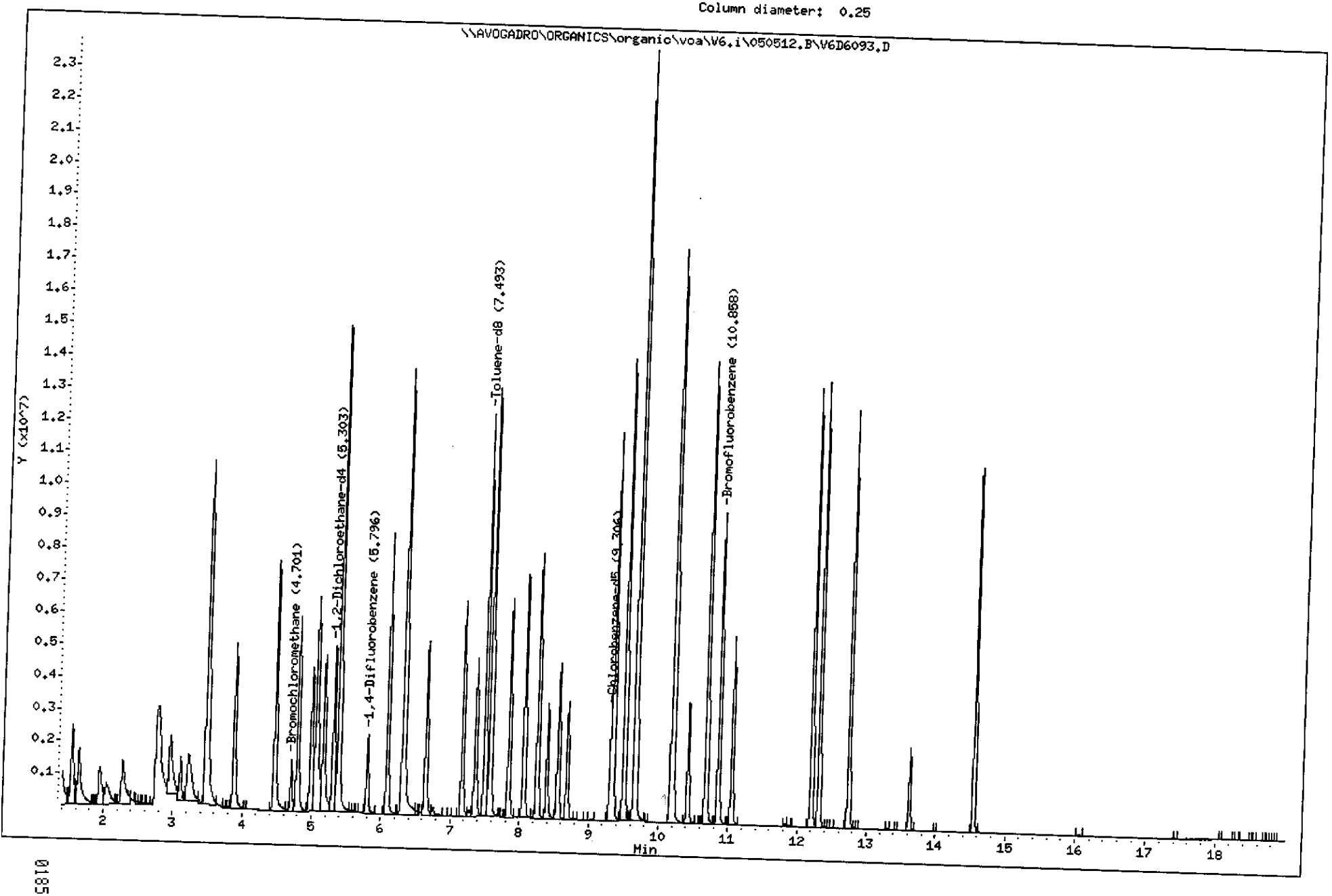
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.463	4.458	(0.950)	1635432	100.000	100
*	18 Bromochloromethane	128	4.700	4.701	(1.000)	393750	50.0000	
	19 Chloroform	83	4.791	4.793	(1.019)	2774616	100.000	100
	20 1,1,1-Trichloroethane	97	4.986	4.987	(0.860)	1918837	100.000	110
	21 Cyclohexane	56	5.059	5.048	(0.873)	2984874	100.000	110
	22 Carbon Tetrachloride	117	5.168	5.164	(0.892)	1722625	100.000	110
$	23 1,2-Dichloroethane-d4	65	5.308	5.304	(1.129)	2169945	100.000	110
	25 Benzene	78	5.375	5.377	(0.928)	5788730	100.000	110
	24 1,2-Dichloroethane	62	5.387	5.383	(1.146)	2536868	100.000	100
*	26 1,4-Difluorobenzene	114	5.795	5.796	(1.000)	1977038	50.0000	
	27 Trichloroethene	130	6.087	6.088	(1.050)	1748542	100.000	110
	28 Methylcyclohexane	83	6.306	6.307	(1.088)	2306363	100.000	110
	29 1,2-Dichloropropane	63	6.324	6.326	(1.091)	1866911	100.000	110
	30 Bromodichloromethane	83	6.640	6.642	(1.146)	2004150	100.000	110
	31 cis-1,3-Dichloropropene	75	7.170	7.171	(1.237)	2181624	100.000	110
	32 4-Methyl-2-Pentanone	43	7.358	7.360	(0.791)	2237048	100.000	110
$	33 Toluene-d8	98	7.492	7.494	(0.805)	5197180	100.000	100
	34 Toluene	91	7.571	7.573	(0.814)	6122269	100.000	110
	35 trans-1,3-Dichloropropene	75	7.839	7.840	(1.353)	2133183	100.000	110
	36 1,1,2-Trichloroethane	97	8.064	8.059	(1.392)	1471657	100.000	110
	37 Tetrachloroethene	164	8.259	8.254	(0.888)	1243948	100.000	100
	38 2-Hexanone	43	8.399	8.394	(0.903)	1576049	100.000	110
	39 Dibromochloromethane	129	8.551	8.552	(1.476)	1578804	100.000	110
	40 1,2-Dibromoethane	107	8.691	8.692	(0.934)	1635304	100.000	110
*	42 Chlorobenzene-d5	117	9.305	9.307	(1.000)	1878616	50.0000	
	43 Chlorobenzene	112	9.341	9.343	(1.004)	4198885	100.000	100
	44 Ethylbenzene	106	9.500	9.501	(1.021)	2248896	100.000	110
	45 m,p-Xylene	106	9.664	9.665	(1.039)	5471970	200.000	210
	46 o-Xylene	106	10.187	10.189	(1.095)	2674890	100.000	110
	47 Styrene	104	10.205	10.207	(1.097)	2447649	100.000	130
	48 Bromoform	173	10.418	10.426	(1.798)	1061000	100.000	110
	49 Isopropylbenzene	105	10.680	10.681	(1.148)	6582301	100.000	110
$	50 Bromofluorobenzene	95	10.856	10.864	(1.167)	2107656	100.000	110
	51 1,1,2,2-Tetrachloroethane	83	11.051	11.059	(1.188)	1895060	100.000	110
M	41 Xylene (Total)	106				8146860	100.000	320
	52 1,3-Dichlorobenzene	146	12.201	12.202	(1.311)	3248186	100.000	110
	53 1,4-Dichlorobenzene	146	12.310	12.312	(1.323)	3394959	100.000	110
	54 1,2-Dichlorobenzene	146	12.742	12.744	(1.369)	3204740	100.000	110
	55 1,2-Dibromo-3-chloropropane	75	13.624	13.626	(1.464)	371531	100.000	110
	56 1,2,4-Trichlorobenzene	180	14.549	14.551	(1.564)	1928744	100.000	120

(53)
5/13/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6093.D
Date : 12-MAY-2005 13:32
Client ID: VSTD2006B
Sample Info: ,VSTD2006B,VSTD2006B
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25



0185

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6093.D
Report Date: 13-May-2005 09:08

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6093.D
Lab Smp Id: VSTD2006B Client Smp ID: VSTD2006B
Inj Date : 12-MAY-2005 13:32
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD2006B,VSTD2006B
Misc Info : ,1,5
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\v6clp4s.m
Meth Date : 13-May-2005 09:08 mtl Quant Type: ISTD
Cal Date : 12-MAY-2005 12:40 Cal File: V6D6091.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.373	1.374	(0.292)	3543086	200.000	210(A)
2 Chloromethane	50	1.538	1.532	(0.327)	3762419	200.000	200
3 Vinyl Chloride	62	1.635	1.635	(0.348)	3099505	200.000	200
4 Bromomethane	94	1.945	1.940	(0.414)	1404802	200.000	190
5 Chloroethane	64	2.037	2.049	(0.433)	1368480	200.000	190
6 Trichlorofluoromethane	101	2.268	2.274	(0.482)	2973424	200.000	220(A)
7 1,1-Dichloroethene	96	2.761	2.755	(0.587)	2024007	200.000	210(A)
9 Acetone	43	2.791	2.791	(0.594)	953285	200.000	160
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.767	2.773	(0.588)	1732431	200.000	210(A)
10 Carbon Disulfide	76	2.955	2.955	(0.629)	6195841	200.000	190
11 Methyl Acetate	43	3.107	3.114	(0.661)	1807711	200.000	190
12 Methylene Chloride	84	3.229	3.217	(0.687)	1951181	200.000	190
13 trans-1,2-Dichloroethene	96	3.472	3.473	(0.739)	2853319	200.000	200
14 Methyl tert-Butyl Ether	73	3.485	3.485	(0.741)	7627142	200.000	190
15 1,1-Dichloroethane	63	3.880	3.874	(0.825)	6220599	200.000	190
16 2-Butanone	43	4.476	4.482	(0.952)	2353656	200.000	180

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6093.D
Report Date: 13-May-2005 09:08

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.464	4.458	(0.950)	3207183	200.000	200
*	18 Bromochloromethane	128	4.701	4.701	(1.000)	414277	50.0000	
	19 Chloroform	83	4.792	4.793	(1.019)	5281666	200.000	190
	20 1,1,1-Trichloroethane	97	4.987	4.987	(0.860)	3660434	200.000	200
	21 Cyclohexane	56	5.054	5.048	(0.872)	5998935	200.000	210(A)
	22 Carbon Tetrachloride	117	5.164	5.164	(0.891)	3374788	200.000	200
$	23 1,2-Dichloroethane-d4	65	5.303	5.304	(1.128)	4224528	200.000	200
	25 Benzene	78	5.376	5.377	(0.928)	10658701	200.000	180
	24 1,2-Dichloroethane	62	5.389	5.383	(1.146)	4866466	200.000	190
*	26 1,4-Difluorobenzene	114	5.796	5.796	(1.000)	2144613	50.0000	
	27 Trichloroethene	130	6.088	6.088	(1.050)	3415445	200.000	190
	28 Methylcyclohexane	83	6.307	6.307	(1.088)	4438840	200.000	210(A)
	29 1,2-Dichloropropane	63	6.325	6.326	(1.091)	3571479	200.000	190
	30 Bromodichloromethane	83	6.642	6.642	(1.146)	3990669	200.000	200
	31 cis-1,3-Dichloropropene	75	7.165	7.171	(1.236)	4363310	200.000	210(A)
	32 4-Methyl-2-Pentanone	43	7.360	7.360	(0.791)	4417419	200.000	200
$	33 Toluene-d8	98	7.494	7.494	(0.805)	9830831	200.000	190
	34 Toluene	91	7.573	7.573	(0.814)	11159806	200.000	180
	35 trans-1,3-Dichloropropene	75	7.840	7.840	(1.353)	4268242	200.000	220(A)
	36 1,1,2-Trichloroethane	97	8.059	8.059	(1.390)	2867864	200.000	200
	37 Tetrachloroethene	164	8.260	8.254	(0.888)	2429725	200.000	190
	38 2-Hexanone	43	8.394	8.394	(0.902)	3072950	200.000	200
	39 Dibromochloromethane	129	8.552	8.552	(1.475)	3201618	200.000	210(A)
	40 1,2-Dibromoethane	107	8.692	8.692	(0.934)	3170387	200.000	190
*	42 Chlorobenzene-d5	117	9.306	9.307	(1.000)	2016349	50.0000	
	43 Chlorobenzene	112	9.343	9.343	(1.004)	8028314	200.000	190
	44 Ethylbenzene	106	9.501	9.501	(1.021)	4425420	200.000	200
	45 m,p-Xylene	106	9.659	9.665	(1.038)	10071705	400.000	380
	46 o-Xylene	106	10.188	10.189	(1.095)	5174081	200.000	200
	47 Styrene	104	10.207	10.207	(1.097)	5215253	200.000	290(A)
	48 Bromoform	173	10.426	10.426	(1.799)	2183026	200.000	220(A)
	49 Isopropylbenzene	105	10.681	10.681	(1.148)	11827661	200.000	190
$	50 Bromofluorobenzene	95	10.858	10.864	(1.167)	4025410	200.000	200
	51 1,1,2,2-Tetrachloroethane	83	11.052	11.059	(1.188)	3503998	200.000	190
M	41 Xylene (Total)	106				15245786	200.000	580
	52 1,3-Dichlorobenzene	146	12.202	12.202	(1.311)	6351721	200.000	210(A)
	53 1,4-Dichlorobenzene	146	12.312	12.312	(1.323)	6541827	200.000	210(A)
	54 1,2-Dichlorobenzene	146	12.737	12.744	(1.369)	6065145	200.000	200
	55 1,2-Dibromo-3-chloropropane	75	13.626	13.626	(1.464)	742837	200.000	220(A)
	56 1,2,4-Trichlorobenzene	180	14.550	14.551	(1.563)	3762442	200.000	240(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

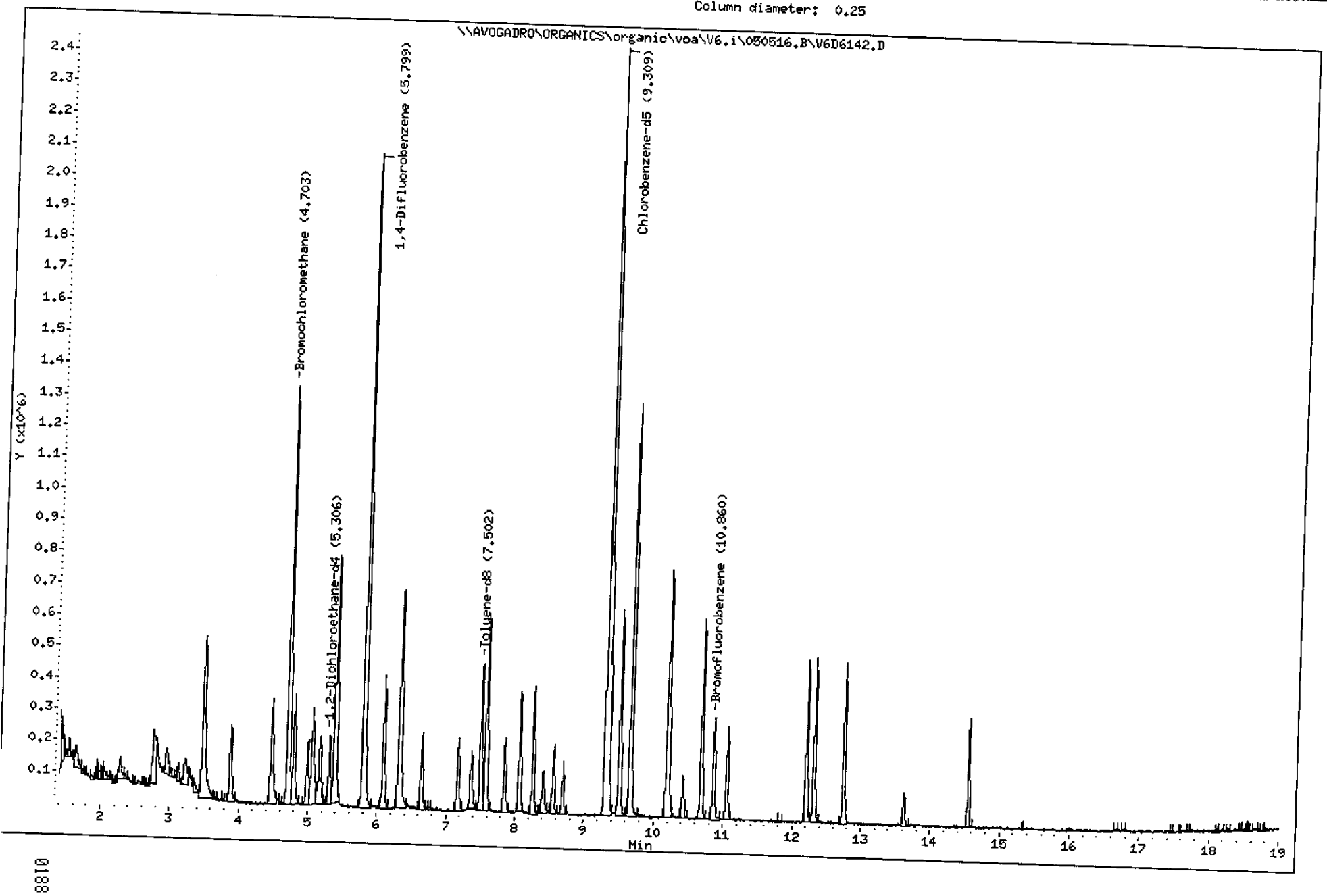
5/13/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6142.D
Date : 16-MAY-2005 11:08
Client ID: VSTD0106D
Sample Info: ,VSTD0106D,VSTD0106D
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25

COPY
Original Documents Are Included in CSF
Signed: _____ Date: _____



8810 0188

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6142.D
Report Date: 16-May-2005 13:22

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6142.D
Lab Smp Id: VSTD0106D Client Smp ID: VSTD0106D
Inj Date : 16-MAY-2005 11:08
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0106D,VSTD0106D
Misc Info : ,1,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\v6clp4s.m
Meth Date : 16-May-2005 12:58 mtl Quant Type: ISTD
Cal Date : 16-MAY-2005 10:18 Cal File: V6D6141.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.376	1.372	(0.293)	158885	10.0000	10
2 Chloromethane	50	1.528	1.537	(0.325)	225257	10.0000	11
3 Vinyl Chloride	62	1.644	1.634	(0.349)	128133	10.0000	9(a)
4 Bromomethane	94	1.942	1.950	(0.413)	45479	10.0000	8(a)
5 Chloroethane	64	2.045	2.042	(0.435)	69392	10.0000	10
6 Trichlorofluoromethane	101	2.276	2.273	(0.484)	129699	10.0000	10
7 1,1-Dichloroethene	96	2.757	2.760	(0.586)	56767	10.0000	7(a)
9 Acetone	43	2.799	2.796	(0.595)	79241	10.0000	10
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.769	2.772	(0.589)	85942	10.0000	10
10 Carbon Disulfide	76	2.964	2.954	(0.630)	300984	10.0000	10
11 Methyl Acetate	43	3.122	3.112	(0.664)	105122	10.0000	10
12 Methylene Chloride	84	3.225	3.222	(0.686)	80625	10.0000	8(a)
13 trans-1,2-Dichloroethene	96	3.475	3.471	(0.739)	133294	10.0000	10
14 Methyl tert-Butyl Ether	73	3.487	3.490	(0.741)	365049	10.0000	10
15 1,1-Dichloroethane	63	3.882	3.879	(0.825)	304202	10.0000	10
16 2-Butanone	43	4.491	4.481	(0.955)	144470	10.0000	10

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6142.D
Report Date: 16-May-2005 13:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.466	4.463	(0.950)	140327	10.0000	10
*	18 Bromochloromethane	128	4.704	4.700	(1.000)	347809	50.0000	
	19 Chloroform	83	4.795	4.791	(1.019)	282680	10.0000	10
	20 1,1,1-Trichloroethane	97	4.983	4.986	(0.859)	161407	10.0000	10
	21 Cyclohexane	56	5.056	5.059	(0.872)	203078	10.0000	9(a)
	22 Carbon Tetrachloride	117	5.166	5.162	(0.891)	140988	10.0000	10
$	23 1,2-Dichloroethane-d4	65	5.306	5.302	(1.128)	186275	10.0000	10
	25 Benzene	78	5.379	5.375	(0.928)	568895	10.0000	10
	24 1,2-Dichloroethane	62	5.385	5.388	(1.145)	254142	10.0000	10
*	26 1,4-Difluorobenzene	114	5.798	5.795	(1.000)	1786278	50.0000	
	27 Trichloroethene	130	6.084	6.087	(1.049)	158676	10.0000	10
	28 Methylcyclohexane	83	6.309	6.312	(1.088)	172169	10.0000	9(a)
	29 1,2-Dichloropropane	63	6.328	6.324	(1.091)	185989	10.0000	10
	30 Bromodichloromethane	83	6.644	6.641	(1.146)	184127	10.0000	10
	31 cis-1,3-Dichloropropene	75	7.167	7.170	(1.236)	150289	10.0000	9(a)
	32 4-Methyl-2-Pentanone	43	7.362	7.359	(0.791)	181900	10.0000	9(a)
$	33 Toluene-d8	98	7.502	7.492	(0.806)	369879	10.0000	9(a)
	34 Toluene	91	7.575	7.572	(0.814)	544911	10.0000	10
	35 trans-1,3-Dichloropropene	75	7.849	7.845	(1.354)	148522	10.0000	9(a)
	36 1,1,2-Trichloroethane	97	8.062	8.064	(1.390)	144726	10.0000	10
	37 Tetrachloroethene	164	8.256	8.259	(0.887)	109333	10.0000	10
	38 2-Hexanone	43	8.396	8.393	(0.902)	137396	10.0000	9(a)
	39 Dibromochloromethane	129	8.554	8.551	(1.475)	135881	10.0000	10
	40 1,2-Dibromoethane	107	8.694	8.691	(0.934)	146212	10.0000	10
*	42 Chlorobenzene-d5	117	9.309	9.305	(1.000)	1655849	50.0000	
	43 Chlorobenzene	112	9.345	9.342	(1.004)	396108	10.0000	10
	44 Ethylbenzene	106	9.503	9.500	(1.021)	176997	10.0000	10
	45 m,p-Xylene	106	9.668	9.664	(1.039)	479904	20.0000	20
	46 o-Xylene	106	10.197	10.187	(1.095)	200143	10.0000	9(a)
	47 Styrene	104	10.209	10.206	(1.097)	237312	10.0000	9(a)
	48 Bromoform	173	10.422	10.425	(1.797)	80755	10.0000	9(a)
	49 Isopropylbenzene	105	10.684	10.680	(1.148)	462267	10.0000	9(a)
$	50 Bromofluorobenzene	95	10.860	10.863	(1.167)	138929	10.0000	9(a)
	51 1,1,2,2-Tetrachloroethane	83	11.055	11.057	(1.188)	177653	10.0000	10
M	41 Xylene (Total)	106				680047	10.0000	29
	52 1,3-Dichlorobenzene	146	12.204	12.207	(1.311)	245054	10.0000	9(a)
	53 1,4-Dichlorobenzene	146	12.314	12.311	(1.323)	252432	10.0000	9(a)
	54 1,2-Dichlorobenzene	146	12.746	12.742	(1.369)	240689	10.0000	9(a)
	55 1,2-Dibromo-3-chloropropane	75	13.628	13.625	(1.464)	32190	10.0000	9(a)
	56 1,2,4-Trichlorobenzene	180	14.559	14.549	(1.564)	113355	10.0000	8(a)

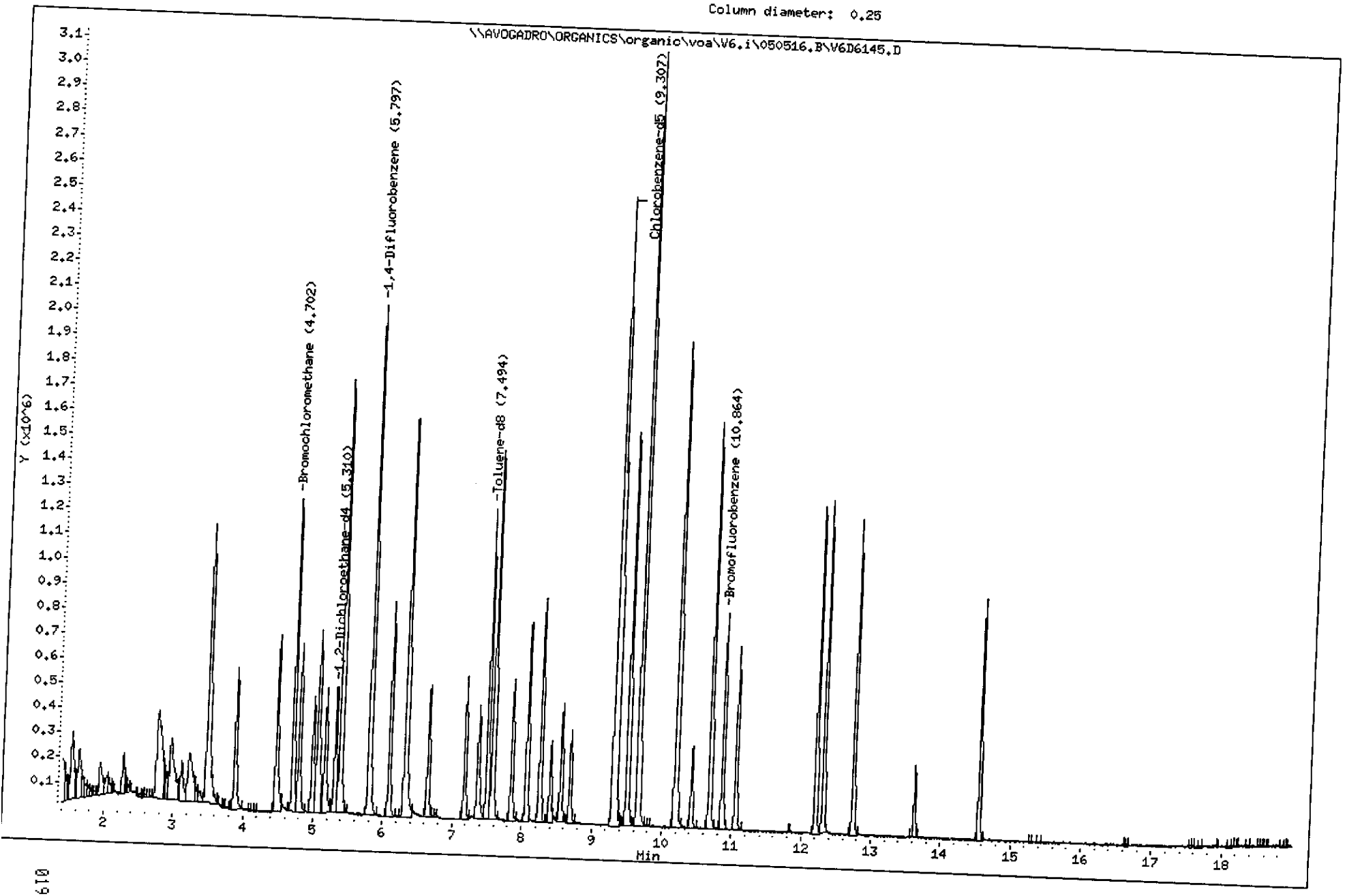
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SB 5/16/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6145.D
Date : 16-MAY-2005 12:31
Client ID: VSTD0206D
Sample Info: ,VSTD0206D,VSTD0206D
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i
Operator: SB SRC: SB
Column diameter: 0.25



0191

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6145.D
Report Date: 16-May-2005 13:22

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6145.D
Lab Smp Id: VSTD0206D
Client Smp ID: VSTD0206D
Inj Date : 16-MAY-2005 12:31
Operator : SB SRC: SB
Inst ID: V6.i
Smp Info : ,VSTD0206D,VSTD0206D
Misc Info : ,1,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\v6clp4s.m
Meth Date : 16-May-2005 12:58 mtl
Quant Type: ISTD
Cal Date : 16-MAY-2005 10:18
Cal File: V6D6141.D
Als bottle: 5
Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.374	1.372	(0.292)	356282	20.0000	21
2 Chloromethane	50	1.532	1.537	(0.326)	417405	20.0000	20
3 Vinyl Chloride	62	1.636	1.634	(0.348)	328237	20.0000	21
4 Bromomethane	94	1.952	1.950	(0.415)	162194	20.0000	25
5 Chloroethane	64	2.043	2.042	(0.435)	162982	20.0000	23
6 Trichlorofluoromethane	101	2.275	2.273	(0.484)	262004	20.0000	20
7 1,1-Dichloroethene	96	2.767	2.760	(0.589)	218044	20.0000	23
9 Acetone	43	2.798	2.796	(0.595)	126770	20.0000	16
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.767	2.772	(0.589)	181809	20.0000	21
10 Carbon Disulfide	76	2.956	2.954	(0.629)	690558	20.0000	22
11 Methyl Acetate	43	3.120	3.112	(0.664)	206672	20.0000	19
12 Methylene Chloride	84	3.217	3.222	(0.684)	228895	20.0000	22
13 trans-1,2-Dichloroethene	96	3.473	3.471	(0.739)	298565	20.0000	21
14 Methyl tert-Butyl Ether	73	3.485	3.490	(0.741)	784995	20.0000	21
15 1,1-Dichloroethane	63	3.881	3.879	(0.825)	676975	20.0000	22
16 2-Butanone	43	4.483	4.481	(0.953)	279572	20.0000	18

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6145.D
Report Date: 16-May-2005 13:22

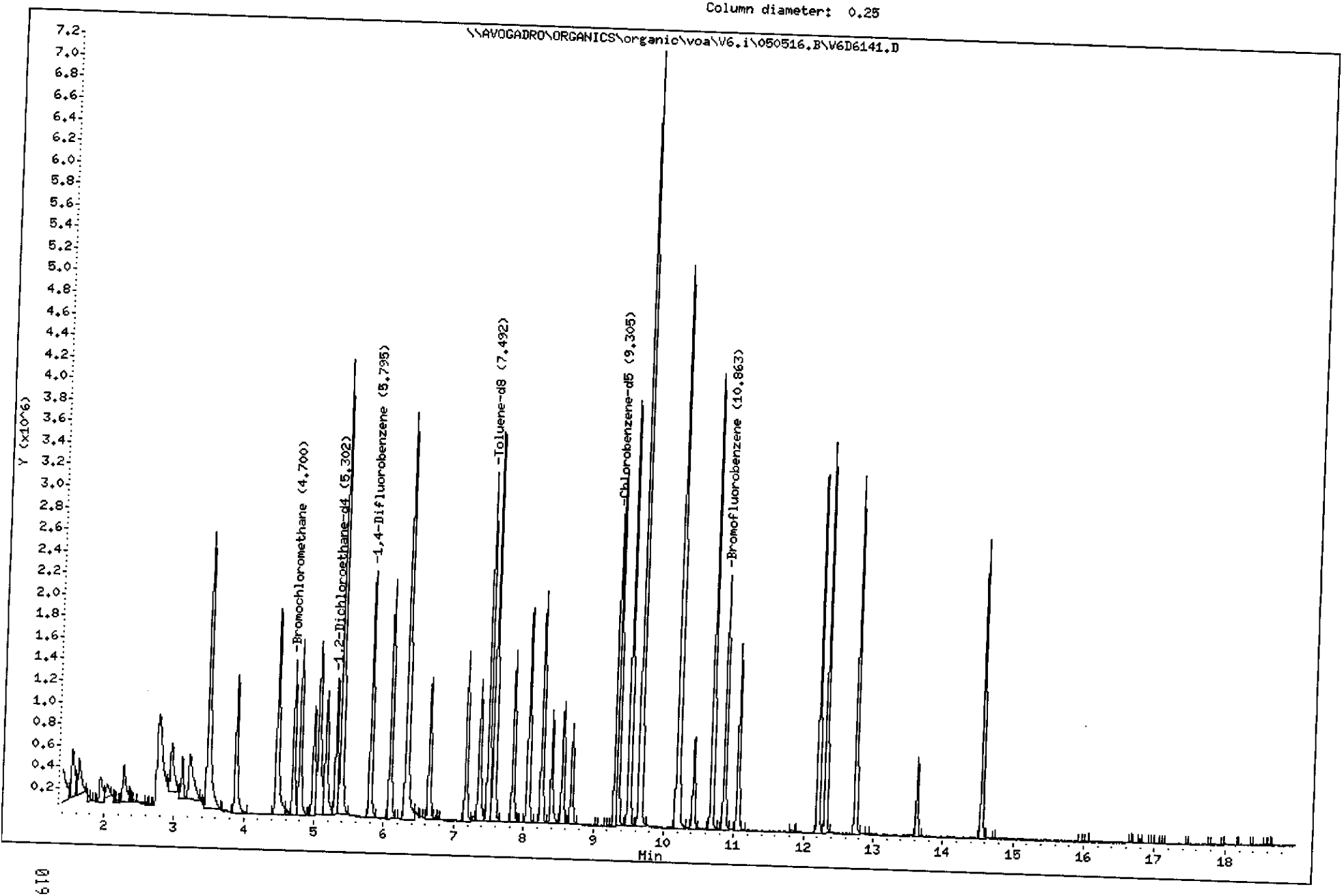
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.465	4.463	(0.950)	293149	20.0000	19
*	18 Bromochloromethane	128	4.702	4.700	(1.000)	355142	50.0000	
	19 Chloroform	83	4.793	4.791	(1.019)	578904	20.0000	21
	20 1,1,1-Trichloroethane	97	4.988	4.986	(0.860)	353449	20.0000	22
	21 Cyclohexane	56	5.055	5.059	(0.872)	545083	20.0000	21
	22 Carbon Tetrachloride	117	5.170	5.162	(0.892)	337293	20.0000	22
$	23 1,2-Dichloroethane-d4	65	5.304	5.302	(1.128)	430951	20.0000	22
	25 Benzene	78	5.377	5.375	(0.928)	1225160	20.0000	22
	24 1,2-Dichloroethane	62	5.389	5.388	(1.146)	539125	20.0000	21
*	26 1,4-Difluorobenzene	114	5.797	5.795	(1.000)	1776127	50.0000	
	27 Trichloroethene	130	6.089	6.087	(1.050)	321470	20.0000	21
	28 Methylcyclohexane	83	6.314	6.312	(1.089)	449086	20.0000	21
	29 1,2-Dichloropropane	63	6.326	6.324	(1.091)	395944	20.0000	22
	30 Bromodichloromethane	83	6.643	6.641	(1.146)	404384	20.0000	21
	31 cis-1,3-Dichloropropene	75	7.172	7.170	(1.237)	367384	20.0000	20
	32 4-Methyl-2-Pentanone	43	7.360	7.359	(0.791)	450282	20.0000	20
$	33 Toluene-d8	98	7.494	7.492	(0.805)	983104	20.0000	22
	34 Toluene	91	7.573	7.572	(0.814)	1286136	20.0000	22
	35 trans-1,3-Dichloropropene	75	7.841	7.845	(1.353)	379180	20.0000	20
	36 1,1,2-Trichloroethane	97	8.060	8.064	(1.390)	309392	20.0000	22
	37 Tetrachloroethene	164	8.255	8.259	(0.887)	246192	20.0000	22
	38 2-Hexanone	43	8.401	8.393	(0.903)	321936	20.0000	19
	39 Dibromochloromethane	129	8.553	8.551	(1.475)	305270	20.0000	21
	40 1,2-Dibromoethane	107	8.693	8.691	(0.934)	322730	20.0000	21
*	42 Chlorobenzene-d5	117	9.307	9.305	(1.000)	1678025	50.0000	
	43 Chlorobenzene	112	9.344	9.342	(1.004)	863553	20.0000	22
	44 Ethylbenzene	106	9.508	9.500	(1.022)	426947	20.0000	21
	45 m,p-Xylene	106	9.660	9.664	(1.038)	1129021	40.0000	44
	46 o-Xylene	106	10.189	10.187	(1.095)	497965	20.0000	21
	47 Styrene	104	10.207	10.206	(1.097)	556983	20.0000	19
	48 Bromoform	173	10.426	10.425	(1.799)	185754	20.0000	20
	49 Isopropylbenzene	105	10.682	10.680	(1.148)	1228021	20.0000	21
$	50 Bromofluorobenzene	95	10.864	10.863	(1.167)	380362	20.0000	22
	51 1,1,2,2-Tetrachloroethane	83	11.053	11.057	(1.188)	456856	20.0000	23
M	41 Xylene (Total)	106				1626986	20.0000	65
	52 1,3-Dichlorobenzene	146	12.203	12.207	(1.311)	602528	20.0000	21
	53 1,4-Dichlorobenzene	146	12.312	12.311	(1.323)	632401	20.0000	21
	54 1,2-Dichlorobenzene	146	12.738	12.742	(1.369)	588877	20.0000	21
	55 1,2-Dibromo-3-chloropropane	75	13.626	13.625	(1.464)	82069	20.0000	21
	56 1,2,4-Trichlorobenzene	180	14.551	14.549	(1.563)	299416	20.0000	19

SB
5/16/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6141.D
Date : 16-MAY-2005 10:18
Client ID: VSTD0506D
Sample Info: ,VSTD0506D,VSTD0506D
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25



0194

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6141.D
Report Date: 16-May-2005 13:22

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6141.D
Lab Smp Id: VSTD0506D
Client Smp ID: VSTD0506D
Inj Date : 16-MAY-2005 10:18
Operator : SB SRC: SB
Inst ID: V6.i
Smp Info : ,VSTD0506D,VSTD0506D
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\v6clp4s.m
Meth Date : 16-May-2005 12:58 mtl
Quant Type: ISTD
Cal Date : 16-MAY-2005 10:18
Cal File: V6D6141.D
Als bottle: 1
Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.372	1.372	(0.292)	860652	50.0000	50
2 Chloromethane	50	1.537	1.537	(0.327)	1007274	50.0000	50
3 Vinyl Chloride	62	1.634	1.634	(0.348)	816199	50.0000	50
4 Bromomethane	94	1.950	1.950	(0.415)	349184	50.0000	50
5 Chloroethane	64	2.042	2.042	(0.434)	358239	50.0000	50
6 Trichlorofluoromethane	101	2.273	2.273	(0.484)	686473	50.0000	50
7 1,1-Dichloroethene	96	2.760	2.760	(0.587)	524526	50.0000	50
9 Acetone	43	2.796	2.796	(0.595)	457652	50.0000	50
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.772	2.772	(0.590)	451158	50.0000	50
10 Carbon Disulfide	76	2.954	2.954	(0.629)	1682415	50.0000	50
11 Methyl Acetate	43	3.112	3.112	(0.662)	599893	50.0000	50
12 Methylene Chloride	84	3.222	3.222	(0.685)	584467	50.0000	50
13 trans-1,2-Dichloroethene	96	3.471	3.471	(0.739)	705481	50.0000	50
14 Methyl tert-Butyl Ether	73	3.490	3.490	(0.742)	1886346	50.0000	50
15 1,1-Dichloroethane	63	3.879	3.879	(0.825)	1576497	50.0000	50
16 2-Butanone	43	4.481	4.481	(0.953)	828439	50.0000	50

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6141.D
Report Date: 16-May-2005 13:22

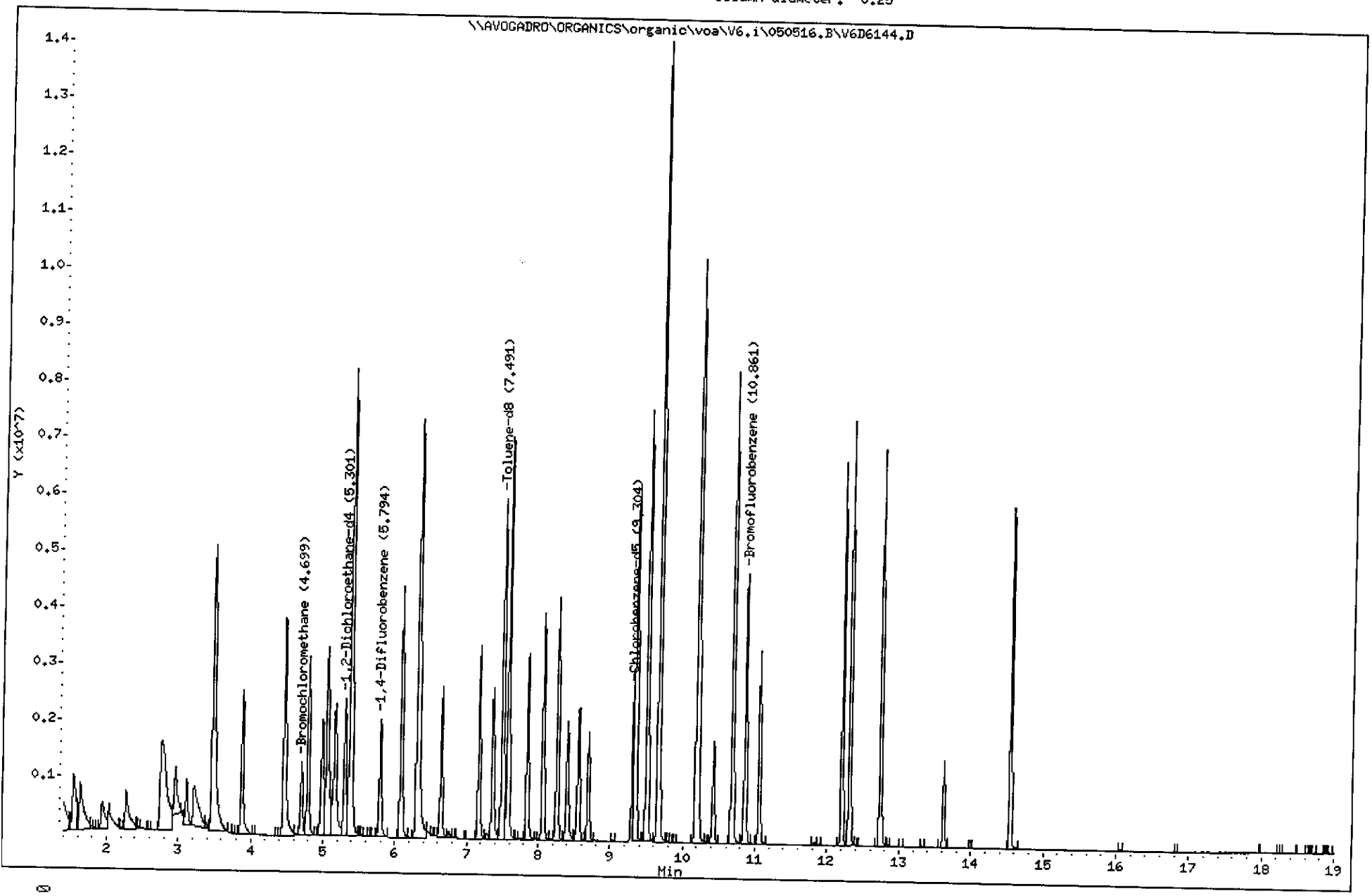
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.463	4.463	(0.950)	797642	50.0000	50
*	18 Bromochloromethane	128	4.700	4.700	(1.000)	366813	50.0000	
	19 Chloroform	83	4.791	4.791	(1.019)	1369410	50.0000	50
	20 1,1,1-Trichloroethane	97	4.986	4.986	(0.860)	823998	50.0000	50
	21 Cyclohexane	56	5.059	5.059	(0.873)	1373787	50.0000	50
	22 Carbon Tetrachloride	117	5.162	5.162	(0.891)	777506	50.0000	50
$	23 1,2-Dichloroethane-d4	65	5.302	5.302	(1.128)	1062100	50.0000	50
	25 Benzene	78	5.375	5.375	(0.928)	2969208	50.0000	50
	24 1,2-Dichloroethane	62	5.388	5.388	(1.146)	1307281	50.0000	50
*	26 1,4-Difluorobenzene	114	5.795	5.795	(1.000)	1958069	50.0000	
	27 Trichloroethene	130	6.087	6.087	(1.050)	831211	50.0000	50
	28 Methylcyclohexane	83	6.312	6.312	(1.089)	1101044	50.0000	50
	29 1,2-Dichloropropane	63	6.324	6.324	(1.091)	951027	50.0000	50
	30 Bromodichloromethane	83	6.641	6.641	(1.146)	996724	50.0000	50
	31 cis-1,3-Dichloropropene	75	7.170	7.170	(1.237)	1004159	50.0000	50
	32 4-Methyl-2-Pentanone	43	7.359	7.359	(0.791)	1230259	50.0000	50
$	33 Toluene-d8	98	7.492	7.492	(0.805)	2510029	50.0000	50
	34 Toluene	91	7.572	7.572	(0.814)	3087662	50.0000	50
	35 trans-1,3-Dichloropropene	75	7.845	7.845	(1.354)	1002548	50.0000	50
	36 1,1,2-Trichloroethane	97	8.064	8.064	(1.392)	742691	50.0000	50
	37 Tetrachloroethene	164	8.259	8.259	(0.888)	590953	50.0000	50
	38 2-Hexanone	43	8.393	8.393	(0.902)	983124	50.0000	50
	39 Dibromochloromethane	129	8.551	8.551	(1.476)	760318	50.0000	50
	40 1,2-Dibromoethane	107	8.691	8.691	(0.934)	791491	50.0000	50
*	42 Chlorobenzene-d5	117	9.305	9.305	(1.000)	1845177	50.0000	
	43 Chlorobenzene	112	9.342	9.342	(1.004)	2091775	50.0000	50
	44 Ethylbenzene	106	9.500	9.500	(1.021)	1083447	50.0000	50
	45 m,p-Xylene	106	9.664	9.664	(1.039)	2727884	100.000	100
	46 o-Xylene	106	10.187	10.187	(1.095)	1276771	50.0000	50
	47 Styrene	104	10.206	10.206	(1.097)	1609507	50.0000	50
	48 Bromoform	173	10.425	10.425	(1.799)	489217	50.0000	50
	49 Isopropylbenzene	105	10.680	10.680	(1.148)	3178452	50.0000	50
$	50 Bromofluorobenzene	95	10.863	10.863	(1.167)	997796	50.0000	50
	51 1,1,2,2-Tetrachloroethane	83	11.057	11.057	(1.188)	1029531	50.0000	50
M	41 Xylene (Total)	106				4004655	50.0000	150
	52 1,3-Dichlorobenzene	146	12.207	12.207	(1.312)	1543119	50.0000	50
	53 1,4-Dichlorobenzene	146	12.311	12.311	(1.323)	1650183	50.0000	50
	54 1,2-Dichlorobenzene	146	12.742	12.742	(1.369)	1505977	50.0000	50
	55 1,2-Dibromo-3-chloropropane	75	13.625	13.625	(1.464)	205061	50.0000	50
	56 1,2,4-Trichlorobenzene	180	14.549	14.549	(1.564)	906021	50.0000	50

SB
5/16/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6144.D
Date : 16-MAY-2005 12:05
Client ID: VSTD1006D
Sample Info: ,VSTD1006D,VSTD1006D
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25



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Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6144.D
Report Date: 16-May-2005 13:22

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6144.D
Lab Smp Id: VSTD1006D Client Smp ID: VSTD1006D
Inj Date : 16-MAY-2005 12:05
Operator : SB SRC: SB
Smp Info : ,VSTD1006D,VSTD1006D Inst ID: V6.i
Misc Info : ,1,4
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\v6clp4s.m
Meth Date : 16-May-2005 12:58 mtl Quant Type: ISTD
Cal Date : 16-MAY-2005 10:18 Cal File: V6D6141.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.03 Compound Sublist: CLP4.sub
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.371	1.372	(0.292)	1791823	100.000	110
2 Chloromethane	50	1.536	1.537	(0.327)	2019126	100.000	99
3 Vinyl Chloride	62	1.633	1.634	(0.347)	1680162	100.000	110
4 Bromomethane	94	1.937	1.950	(0.412)	718218	100.000	120
5 Chloroethane	64	2.040	2.042	(0.434)	707989	100.000	100
6 Trichlorofluoromethane	101	2.272	2.273	(0.483)	1501761	100.000	110
7 1,1-Dichloroethene	96	2.752	2.760	(0.586)	1035501	100.000	110
9 Acetone	43	2.789	2.796	(0.593)	820142	100.000	100
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.764	2.772	(0.588)	863825	100.000	100
10 Carbon Disulfide	76	2.953	2.954	(0.628)	3237207	100.000	100
11 Methyl Acetate	43	3.111	3.112	(0.662)	1094466	100.000	100
12 Methylene Chloride	84	3.215	3.222	(0.684)	1052713	100.000	100
13 trans-1,2-Dichloroethene	96	3.470	3.471	(0.738)	1434906	100.000	110
14 Methyl tert-Butyl Ether	73	3.488	3.490	(0.742)	3746445	100.000	100
15 1,1-Dichloroethane	63	3.878	3.879	(0.825)	3108975	100.000	100
16 2-Butanone	43	4.480	4.481	(0.953)	1544046	100.000	100
							99

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6144.D
Report Date: 16-May-2005 13:22

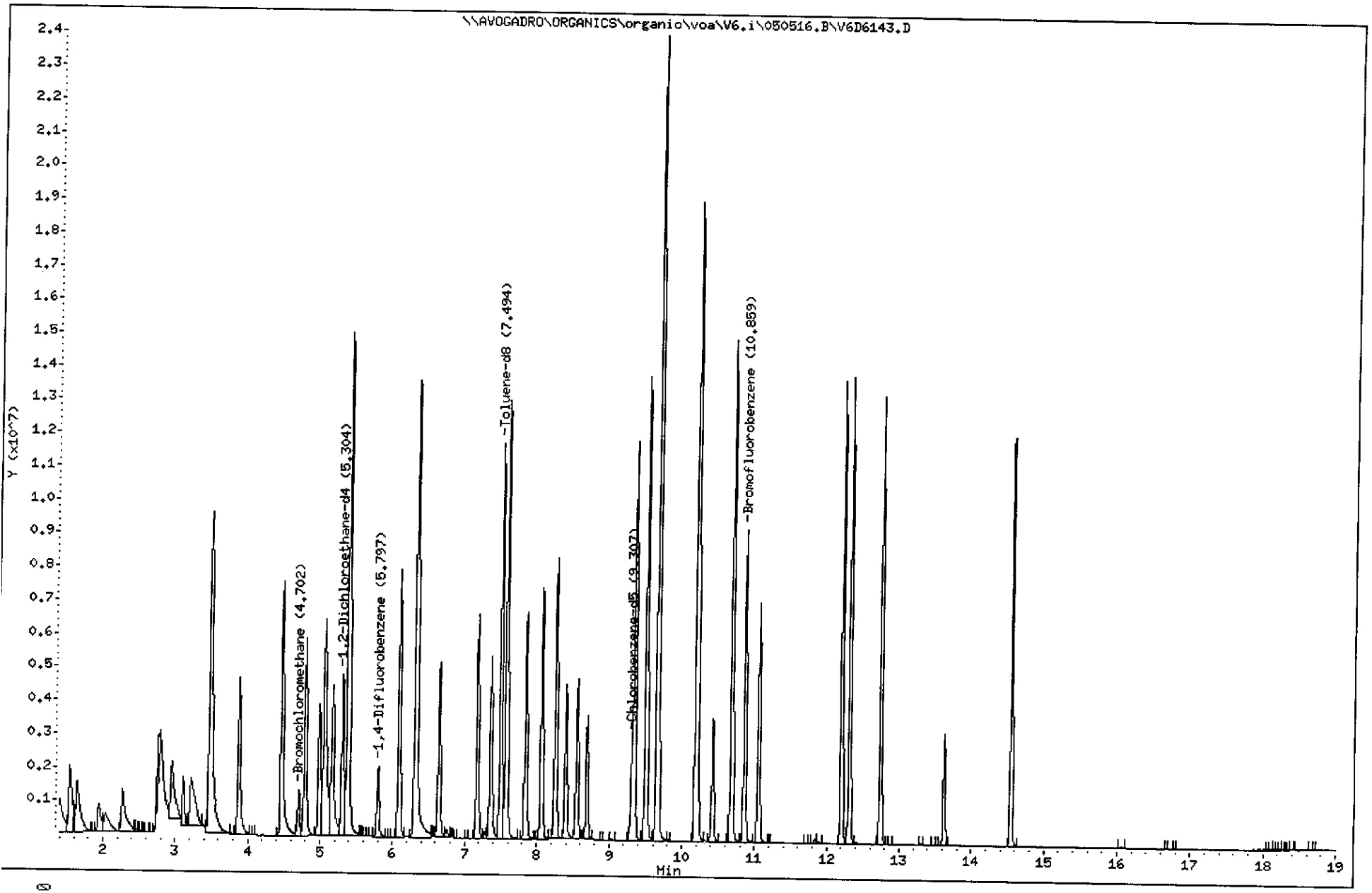
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.462	4.463	(0.950)	1598596	100.000	100
*	18 Bromochloromethane	128	4.699	4.700	(1.000)	356947	50.0000	
	19 Chloroform	83	4.790	4.791	(1.019)	2681618	100.000	100
	20 1,1,1-Trichloroethane	97	4.985	4.986	(0.860)	1687838	100.000	110
	21 Cyclohexane	56	5.052	5.059	(0.872)	3055710	100.000	120
	22 Carbon Tetrachloride	117	5.167	5.162	(0.892)	1577434	100.000	110
$	23 1,2-Dichloroethane-d4	65	5.301	5.302	(1.128)	1994410	100.000	100
	25 Benzene	78	5.374	5.375	(0.928)	5831534	100.000	110
	24 1,2-Dichloroethane	62	5.386	5.388	(1.146)	2535005	100.000	100
*	26 1,4-Difluorobenzene	114	5.794	5.795	(1.000)	1777725	50.0000	
	27 Trichloroethene	130	6.086	6.087	(1.050)	1648945	100.000	110
	28 Methylcyclohexane	83	6.305	6.312	(1.088)	2287590	100.000	110
	29 1,2-Dichloropropane	63	6.323	6.324	(1.091)	1871687	100.000	100
	30 Bromodichloromethane	83	6.640	6.641	(1.146)	1997973	100.000	110
	31 cis-1,3-Dichloropropene	75	7.169	7.170	(1.237)	2119028	100.000	110
	32 4-Methyl-2-Pentanone	43	7.357	7.359	(0.791)	2482785	100.000	110
$	33 Toluene-d8	98	7.491	7.492	(0.805)	4732066	100.000	110
	34 Toluene	91	7.576	7.572	(0.814)	6079583	100.000	110
	35 trans-1,3-Dichloropropene	75	7.844	7.845	(1.354)	2055252	100.000	110
	36 1,1,2-Trichloroethane	97	8.063	8.064	(1.392)	1458905	100.000	100
	37 Tetrachloroethene	164	8.258	8.259	(0.888)	1191712	100.000	110
	38 2-Hexanone	43	8.392	8.393	(0.902)	1908658	100.000	110
	39 Dibromochloromethane	129	8.556	8.551	(1.477)	1543428	100.000	110
	40 1,2-Dibromoethane	107	8.690	8.691	(0.934)	1606159	100.000	110
*	42 Chlorobenzene-d5	117	9.304	9.305	(1.000)	1696537	50.0000	
	43 Chlorobenzene	112	9.341	9.342	(1.004)	4086503	100.000	100
	44 Ethylbenzene	106	9.505	9.500	(1.022)	2204837	100.000	110
	45 m,p-Xylene	106	9.663	9.664	(1.039)	5381358	200.000	210
	46 o-Xylene	106	10.186	10.187	(1.095)	2605540	100.000	110
	47 Styrene	104	10.204	10.206	(1.097)	3298261	100.000	110
	48 Bromoform	173	10.423	10.425	(1.799)	1007448	100.000	110
	49 Isopropylbenzene	105	10.679	10.680	(1.148)	6478320	100.000	110
$	50 Bromofluorobenzene	95	10.861	10.863	(1.167)	1918299	100.000	110
	51 1,1,2,2-Tetrachloroethane	83	11.056	11.057	(1.188)	2056510	100.000	110
M	41 Xylene (Total)	106				7986898	100.000	330
	52 1,3-Dichlorobenzene	146	12.206	12.207	(1.312)	3164544	100.000	110
	53 1,4-Dichlorobenzene	146	12.309	12.311	(1.323)	3372243	100.000	110
	54 1,2-Dichlorobenzene	146	12.741	12.742	(1.369)	3105816	100.000	110
	55 1,2-Dibromo-3-chloropropane	75	13.623	13.625	(1.464)	428424	100.000	110
	56 1,2,4-Trichlorobenzene	180	14.548	14.549	(1.564)	1904393	100.000	120

SB
5/16/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6143.D
Date : 16-MAY-2005 11:34
Client ID: VSTD2006D
Sample Info: ,VSTD2006D,VSTD2006D
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25



0200

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6143.D
Report Date: 16-May-2005 13:22

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6143.D
Lab Smp Id: VSTD2006D Client Smp ID: VSTD2006D
Inj Date : 16-MAY-2005 11:34
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD2006D,VSTD2006D
Misc Info : ,1,5
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\v6clp4s.m
Meth Date : 16-May-2005 12:58 mtl Quant Type: ISTD
Cal Date : 16-MAY-2005 10:18 Cal File: V6D6141.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.375	1.372	(0.292)	3468928	200.000	200
2 Chloromethane	50	1.539	1.537	(0.327)	3857359	200.000	180
3 Vinyl Chloride	62	1.636	1.634	(0.348)	3166449	200.000	210(A)
4 Bromomethane	94	1.940	1.950	(0.413)	1232700	200.000	210(A)
5 Chloroethane	64	2.044	2.042	(0.435)	1242483	200.000	180
6 Trichlorofluoromethane	101	2.269	2.273	(0.482)	2486531	200.000	190
7 1,1-Dichloroethene	96	2.755	2.760	(0.586)	2043328	200.000	230(A)
9 Acetone	43	2.792	2.796	(0.594)	1557810	200.000	190
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.768	2.772	(0.589)	1629804	200.000	190
10 Carbon Disulfide	76	2.956	2.954	(0.629)	6162623	200.000	190
11 Methyl Acetate	43	3.114	3.112	(0.662)	2062516	200.000	190
12 Methylene Chloride	84	3.224	3.222	(0.686)	2033669	200.000	200
13 trans-1,2-Dichloroethene	96	3.467	3.471	(0.737)	2755322	200.000	200
14 Methyl tert-Butyl Ether	73	3.485	3.490	(0.741)	7221410	200.000	190
15 1,1-Dichloroethane	63	3.875	3.879	(0.824)	5880782	200.000	190
16 2-Butanone	43	4.477	4.481	(0.952)	3300618	200.000	210(A)

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6143.D
Report Date: 16-May-2005 13:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.459	4.463	(0.948)	3225658	200.000	210 (A)
*	18 Bromochloromethane	128	4.702	4.700	(1.000)	365822	50.0000	
	19 Chloroform	83	4.793	4.791	(1.019)	5096339	200.000	190
	20 1,1,1-Trichloroethane	97	4.988	4.986	(0.860)	3209986	200.000	200
	21 Cyclohexane	56	5.055	5.059	(0.872)	6041376	200.000	240 (A)
	22 Carbon Tetrachloride	117	5.165	5.162	(0.891)	3024660	200.000	210 (A)
$	23 1,2-Dichloroethane-d4	65	5.304	5.302	(1.128)	3929162	200.000	200
	25 Benzene	78	5.377	5.375	(0.928)	10589609	200.000	190
	24 1,2-Dichloroethane	62	5.390	5.388	(1.146)	4769546	200.000	190
*	26 1,4-Difluorobenzene	114	5.797	5.795	(1.000)	1834369	50.0000	
	27 Trichloroethene	130	6.083	6.087	(1.049)	3063718	200.000	190
	28 Methylcyclohexane	83	6.308	6.312	(1.088)	4565916	200.000	220 (A)
	29 1,2-Dichloropropane	63	6.326	6.324	(1.091)	3521611	200.000	190
	30 Bromodichloromethane	83	6.643	6.641	(1.146)	3913714	200.000	210 (A)
	31 cis-1,3-Dichloropropene	75	7.172	7.170	(1.237)	4330215	200.000	230 (A)
	32 4-Methyl-2-Pentanone	43	7.361	7.359	(0.791)	4949443	200.000	220 (A)
$	33 Toluene-d8	98	7.495	7.492	(0.805)	9144999	200.000	200
	34 Toluene	91	7.574	7.572	(0.814)	11046912	200.000	190
	35 trans-1,3-Dichloropropene	75	7.841	7.845	(1.353)	4247219	200.000	230 (A)
	36 1,1,2-Trichloroethane	97	8.060	8.064	(1.390)	2828351	200.000	200
	37 Tetrachloroethene	164	8.255	8.259	(0.887)	2351645	200.000	200
	38 2-Hexanone	43	8.395	8.393	(0.902)	4092030	200.000	230 (A)
	39 Dibromochloromethane	129	8.553	8.551	(1.475)	3107627	200.000	210 (A)
	40 1,2-Dibromoethane	107	8.693	8.691	(0.934)	3223698	200.000	210 (A)
*	42 Chlorobenzene-d5	117	9.307	9.305	(1.000)	1780390	50.0000	
	43 Chlorobenzene	112	9.344	9.342	(1.004)	7822288	200.000	190
	44 Ethylbenzene	106	9.502	9.500	(1.021)	4252651	200.000	210 (A)
	45 m,p-Xylene	106	9.660	9.664	(1.038)	9967141	400.000	390
	46 o-Xylene	106	10.189	10.187	(1.095)	5027405	200.000	210 (A)
	47 Styrene	104	10.208	10.206	(1.097)	6275782	200.000	210 (A)
	48 Bromoform	173	10.421	10.425	(1.798)	2125158	200.000	230 (A)
	49 Isopropylbenzene	105	10.682	10.680	(1.148)	11907944	200.000	210 (A)
$	50 Bromofluorobenzene	95	10.859	10.863	(1.167)	3807446	200.000	210 (A)
	51 1,1,2,2-Tetrachloroethane	83	11.053	11.057	(1.188)	4216605	200.000	210 (A)
M	41 Xylene (Total)	106				14994546	200.000	600
	52 1,3-Dichlorobenzene	146	12.203	12.207	(1.311)	6232137	200.000	210 (A)
	53 1,4-Dichlorobenzene	146	12.313	12.311	(1.323)	6329937	200.000	210 (A)
	54 1,2-Dichlorobenzene	146	12.738	12.742	(1.369)	5971185	200.000	210 (A)
	55 1,2-Dibromo-3-chloropropane	75	13.621	13.625	(1.463)	924725	200.000	230 (A)
	56 1,2,4-Trichlorobenzene	180	14.551	14.549	(1.563)	3953788	200.000	240 (A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

SB 5/16/05

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: V5 Calibration Date: 05/13/05 Time: 1009

Lab File ID: V5F9941 Init. Calib. Date(s): 04/13/05 04/13/05

EPA Sample No.(VSTD050##): VSTD0505L Init. Calib. Times: 1117 1455

Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	2.386	2.900		21.5		
Chloromethane	2.182	2.657		21.8		
Vinyl Chloride	1.869	2.272	0.100	21.6	25.0	
Bromomethane	0.918	1.192	0.100	29.8	25.0	<-
Chloroethane	0.784	1.013		29.2		
Trichlorofluoromethane	1.893	2.428		28.3		
1,1-Dichloroethene	0.985	1.254	0.100	27.3	25.0	<-
1,1,2-Trichloro-1,2,2-trifluoroethane	1.000	1.229		22.9		
Acetone	0.850	1.122		32.0		
Carbon Disulfide	3.852	4.660		21.0		
Methyl Acetate	1.093	1.063		-2.7		
Methylene Chloride	1.255	1.670		33.1		
trans-1,2-Dichloroethene	1.493	1.745		16.9		
Methyl tert-Butyl Ether	4.289	4.464		4.1		
1,1-Dichloroethane	3.306	3.593	0.200	8.7	25.0	
cis-1,2-Dichloroethene	1.591	1.764		10.9		
2-Butanone	1.232	1.464		18.8		
Chloroform	2.857	3.105	0.200	8.7	25.0	
1,1,1-Trichloroethane	0.374	0.434	0.100	16.0	25.0	
Cyclohexane	0.613	0.679		10.8		
Carbon Tetrachloride	0.337	0.415	0.100	23.1	25.0	
Benzene	1.225	1.383	0.500	12.9	25.0	
1,2-Dichloroethane	2.123	2.385	0.100	12.3	25.0	
Trichloroethene	0.322	0.373	0.300	15.8	25.0	
Methylcyclohexane	0.506	0.576		13.8		

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: V5 Calibration Date: 05/13/05 Time: 1009

Lab File ID: V5F9941 Init. Calib. Date(s): 04/13/05 04/13/05

EPA Sample No.(VSTD050##): VSTD0505L Init. Calib. Times: 1117 1455

Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.359	0.401		11.7	
Bromodichloromethane	0.422	0.460	0.200	9.0	25.0
cis-1,3-Dichloropropene	0.501	0.521	0.200	4.0	25.0
4-Methyl-2-Pentanone	0.429	0.483		12.6	
Toluene	1.275	1.461	0.400	14.6	25.0
trans-1,3-Dichloropropene	0.451	0.476	0.100	5.5	25.0
1,1,2-Trichloroethane	0.238	0.280	0.100	17.6	25.0
Tetrachloroethene	0.271	0.323	0.200	19.2	25.0
2-Hexanone	0.386	0.432		11.9	
Dibromochloromethane	0.297	0.332	0.100	11.8	25.0
1,2-Dibromoethane	0.308	0.358		16.2	
Chlorobenzene	0.865	0.974	0.500	12.6	25.0
Ethylbenzene	0.426	0.501	0.100	17.6	25.0
Xylene (Total)	0.518	0.592	0.300	14.3	25.0
Styrene	0.691	0.782	0.300	13.2	25.0
Bromoform	0.202	0.213	0.100	5.4	25.0
Isopropylbenzene	1.359	1.551		14.1	
1,1,2,2-Tetrachloroethane	0.439	0.501	0.300	14.1	25.0
1,3-Dichlorobenzene	0.747	0.825	0.600	10.4	25.0
1,4-Dichlorobenzene	0.764	0.829	0.500	8.5	25.0
1,2-Dichlorobenzene	0.702	0.782	0.400	11.4	25.0
1,2-Dibromo-3-chloropropane	0.071	0.077		8.5	
1,2,4-Trichlorobenzene	0.437	0.413	0.200	-5.5	25.0
Toluene-d8	1.159	1.212		4.6	
Bromofluorobenzene	0.523	0.496	0.200	-5.2	25.0
1,2-Dichloroethane-d4	2.076	2.058		-0.9	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: V6 Calibration Date: 05/13/05 Time: 1047

Lab File ID: V6D6112 Init. Calib. Date(s): 05/12/05 05/12/05

EPA Sample No.(VSTD050##): VSTD0506C Init. Calib. Times: 1240 1506

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.161	2.240		3.7	
Chloromethane	2.456	2.714		10.5	
Vinyl Chloride	1.973	2.070	0.100	4.9	25.0
Bromomethane	0.949	0.855	0.100	-9.9	25.0
Chloroethane	0.924	0.923		-0.1	
Trichlorofluoromethane	1.711	1.776		3.8	
1,1-Dichloroethene	1.203	1.280	0.100	6.4	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.040	1.108		6.5	
Acetone	0.747	1.169		56.5	
Carbon Disulfide	4.155	4.036		-2.9	
Methyl Acetate	1.262	1.367		8.3	
Methylene Chloride	1.273	1.273		0.0	
trans-1,2-Dichloroethene	1.883	1.723		-8.5	
Methyl tert-Butyl Ether	4.926	4.548		-7.7	
1,1-Dichloroethane	4.101	3.934	0.200	-4.1	25.0
cis-1,2-Dichloroethene	1.993	1.932		-3.1	
2-Butanone	1.631	2.251		38.0	
Chloroform	3.527	3.408	0.200	-3.4	25.0
1,1,1-Trichloroethane	0.470	0.385	0.100	-18.1	25.0
Cyclohexane	0.672	0.692		3.0	
Carbon Tetrachloride	0.417	0.353	0.100	-15.3	25.0
Benzene	1.435	1.425	0.500	-0.7	25.0
1,2-Dichloroethane	3.229	3.142	0.100	-2.7	25.0
Trichloroethene	0.437	0.413	0.300	-5.5	25.0
Methylcyclohexane	0.528	0.522		-1.1	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: V6 Calibration Date: 05/13/05 Time: 1047

Lab File ID: V6D6112 Init. Calib. Date(s): 05/12/05 05/12/05

EPA Sample No.(VSTD050##): VSTD0506C Init. Calib. Times: 1240 1506

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
1,2-Dichloropropane	0.464	0.450		-3.0		
Bromodichloromethane	0.488	0.463	0.200	-5.1	25.0	
cis-1,3-Dichloropropene	0.501	0.457	0.200	-8.8	25.0	
4-Methyl-2-Pentanone	0.555	0.620		11.7		
Toluene	1.598	1.567	0.400	-1.9	25.0	
trans-1,3-Dichloropropene	0.476	0.454	0.100	-4.6	25.0	
1,1,2-Trichloroethane	0.357	0.350	0.100	-2.0	25.0	
Tetrachloroethene	0.327	0.300	0.200	-8.3	25.0	
2-Hexanone	0.395	0.515		30.4		
Dibromochloromethane	0.374	0.341	0.100	-8.8	25.0	
1,2-Dibromoethane	0.420	0.391		-6.9		
Chlorobenzene	1.116	1.029	0.500	-7.8	25.0	
Ethylbenzene	0.568	0.537	0.100	-5.5	25.0	
Xylene (Total)	0.675	0.630	0.300	-6.7	25.0	
Styrene	0.571	0.731	0.300	28.0	25.0	<-
Bromoform	0.240	0.223	0.100	-7.1	25.0	
Isopropylbenzene	1.610	1.552		-3.6		
1,1,2,2-Tetrachloroethane	0.463	0.446	0.300	-3.7	25.0	
1,3-Dichlorobenzene	0.824	0.760	0.600	-7.8	25.0	
1,4-Dichlorobenzene	0.860	0.811	0.500	-5.7	25.0	
1,2-Dichlorobenzene	0.800	0.748	0.400	-6.5	25.0	
1,2-Dibromo-3-chloropropane	0.088	0.092		4.5		
1,2,4-Trichlorobenzene	0.445	0.404	0.200	-9.2	25.0	
Toluene-d8	1.305	1.416		8.5		
Bromofluorobenzene	0.510	0.535	0.200	4.9	25.0	
1,2-Dichloroethane-d4	2.666	2.773		4.0		

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: V6 Calibration Date: 05/16/05 Time: 1018

Lab File ID: V6D6141 Init. Calib. Date(s): 05/16/05 05/16/05

EPA Sample No.(VSTD050##): VSTD0506D Init. Calib. Times: 1018 1231

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.404	2.346		-2.4	
Chloromethane	2.877	2.746		-4.6	
Vinyl Chloride	2.179	2.225	0.100	2.1	25.0
Bromomethane	0.919	0.952	0.100	3.6	25.0
Chloroethane	0.993	0.977		-1.6	
Trichlorofluoromethane	1.877	1.871		-0.3	
1,1-Dichloroethene	1.325	1.430	0.100	7.9	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.214	1.230		1.3	
Acetone	1.099	1.248		13.6	
Carbon Disulfide	4.504	4.587		1.8	
Methyl Acetate	1.509	1.635		8.3	
Methylene Chloride	1.446	1.593		10.2	
trans-1,2-Dichloroethene	1.967	1.923		-2.2	
Methyl tert-Butyl Ether	5.220	5.143		-1.5	
1,1-Dichloroethane	4.362	4.298	0.200	-1.5	25.0
cis-1,2-Dichloroethene	2.140	2.175		1.6	
2-Butanone	2.144	2.258		5.3	
Chloroform	3.822	3.733	0.200	-2.3	25.0
1,1,1-Trichloroethane	0.456	0.421	0.100	-7.7	25.0
Cyclohexane	0.744	0.702		-5.6	
Carbon Tetrachloride	0.425	0.397	0.100	-6.6	25.0
Benzene	1.583	1.516	0.500	-4.2	25.0
1,2-Dichloroethane	3.564	3.564	0.100	0.0	25.0
Trichloroethene	0.441	0.425	0.300	-3.6	25.0
Methylcyclohexane	0.588	0.562		-4.4	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: V6 Calibration Date: 05/16/05 Time: 1018

Lab File ID: V6D6141 Init. Calib. Date(s): 05/16/05 05/16/05

EPA Sample No.(VSTD050##): VSTD0506D Init. Calib. Times: 1018 1231

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.514	0.486		-5.4	
Bromodichloromethane	0.538	0.509	0.200	-5.4	25.0
cis-1,3-Dichloropropene	0.527	0.513	0.200	-2.7	25.0
4-Methyl-2-Pentanone	0.663	0.667		0.6	
Toluene	1.715	1.673	0.400	-2.4	25.0
trans-1,3-Dichloropropene	0.524	0.512	0.100	-2.3	25.0
1,1,2-Trichloroethane	0.403	0.379	0.100	-6.0	25.0
Tetrachloroethene	0.340	0.320	0.200	-5.9	25.0
2-Hexanone	0.513	0.533		3.9	
Dibromochloromethane	0.411	0.388	0.100	-5.6	25.0
1,2-Dibromoethane	0.456	0.429		-5.9	
Chlorobenzene	1.184	1.134	0.500	-4.2	25.0
Ethylbenzene	0.601	0.587	0.100	-2.3	25.0
Xylene (Total)	0.702	0.692	0.300	-1.4	25.0
Styrene	0.854	0.872	0.300	2.1	25.0
Bromoform	0.262	0.250	0.100	-4.6	25.0
Isopropylbenzene	1.706	1.723		1.0	
1,1,2,2-Tetrachloroethane	0.595	0.558	0.300	-6.2	25.0
1,3-Dichlorobenzene	0.856	0.836	0.600	-2.3	25.0
1,4-Dichlorobenzene	0.896	0.894	0.500	-0.2	25.0
1,2-Dichlorobenzene	0.835	0.816	0.400	-2.3	25.0
1,2-Dibromo-3-chloropropane	0.117	0.111		-5.1	
1,2,4-Trichlorobenzene	0.479	0.491	0.200	2.5	25.0
Toluene-d8	1.324	1.360		2.7	
Bromofluorobenzene	0.526	0.541	0.200	2.9	25.0
1,2-Dichloroethane-d4	2.817	2.895		2.8	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: V6 Calibration Date: 05/17/05 Time: 1010

Lab File ID: V6D6171 Init. Calib. Date(s): 05/16/05 05/16/05

EPA Sample No.(VSTD050##): VSTD0506F Init. Calib. Times: 1018 1231

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.404	1.880		-21.8	
Chloromethane	2.877	2.351		-18.3	
Vinyl Chloride	2.179	1.811	0.100	-16.9	25.0
Bromomethane	0.919	0.916	0.100	-0.3	25.0
Chloroethane	0.993	0.931		-6.2	
Trichlorofluoromethane	1.877	1.818		-3.1	
1,1-Dichloroethene	1.325	1.278	0.100	-3.5	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.214	1.138		-6.3	
Acetone	1.099	1.483		34.9	
Carbon Disulfide	4.504	4.088		-9.2	
Methyl Acetate	1.509	1.455		-3.6	
Methylene Chloride	1.446	1.286		-11.1	
trans-1,2-Dichloroethene	1.967	1.826		-7.2	
Methyl tert-Butyl Ether	5.220	4.831		-7.5	
1,1-Dichloroethane	4.362	3.905	0.200	-10.5	25.0
cis-1,2-Dichloroethene	2.140	1.877		-12.3	
2-Butanone	2.144	2.525		17.8	
Chloroform	3.822	3.253	0.200	-14.9	25.0
1,1,1-Trichloroethane	0.456	0.430	0.100	-5.7	25.0
Cyclohexane	0.744	0.638		-14.2	
Carbon Tetrachloride	0.425	0.363	0.100	-14.6	25.0
Benzene	1.583	1.422	0.500	-10.2	25.0
1,2-Dichloroethane	3.564	3.029	0.100	-15.0	25.0
Trichloroethene	0.441	0.398	0.300	-9.8	25.0
Methylcyclohexane	0.588	0.464		-21.1	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: V6 Calibration Date: 05/17/05 Time: 1010

Lab File ID: V6D6171 Init. Calib. Date(s): 05/16/05 05/16/05

EPA Sample No.(VSTD050##): VSTD0506F Init. Calib. Times: 1018 1231

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.514	0.440		-14.4	
Bromodichloromethane	0.538	0.466	0.200	-13.4	25.0
cis-1,3-Dichloropropene	0.527	0.468	0.200	-11.2	25.0
4-Methyl-2-Pentanone	0.663	0.643		-3.0	
Toluene	1.715	1.545	0.400	-9.9	25.0
trans-1,3-Dichloropropene	0.524	0.460	0.100	-12.2	25.0
1,1,2-Trichloroethane	0.403	0.345	0.100	-14.4	25.0
Tetrachloroethene	0.340	0.307	0.200	-9.7	25.0
2-Hexanone	0.513	0.597		16.4	
Dibromochloromethane	0.411	0.359	0.100	-12.7	25.0
1,2-Dibromoethane	0.456	0.412		-9.6	
Chlorobenzene	1.184	1.072	0.500	-9.5	25.0
Ethylbenzene	0.601	0.545	0.100	-9.3	25.0
Xylene (Total)	0.702	0.655	0.300	-6.7	25.0
Styrene	0.854	0.828	0.300	-3.0	25.0
Bromoform	0.262	0.250	0.100	-4.6	25.0
Isopropylbenzene	1.706	1.615		-5.3	
1,1,2,2-Tetrachloroethane	0.595	0.526	0.300	-11.6	25.0
1,3-Dichlorobenzene	0.856	0.842	0.600	-1.6	25.0
1,4-Dichlorobenzene	0.896	0.867	0.500	-3.2	25.0
1,2-Dichlorobenzene	0.835	0.820	0.400	-1.8	25.0
1,2-Dibromo-3-chloropropane	0.117	0.114		-2.6	
1,2,4-Trichlorobenzene	0.479	0.459	0.200	-4.2	25.0
Toluene-d8	1.324	1.399		5.7	
Bromofluorobenzene	0.526	0.563	0.200	7.0	25.0
1,2-Dichloroethane-d4	2.817	2.819		0.1	

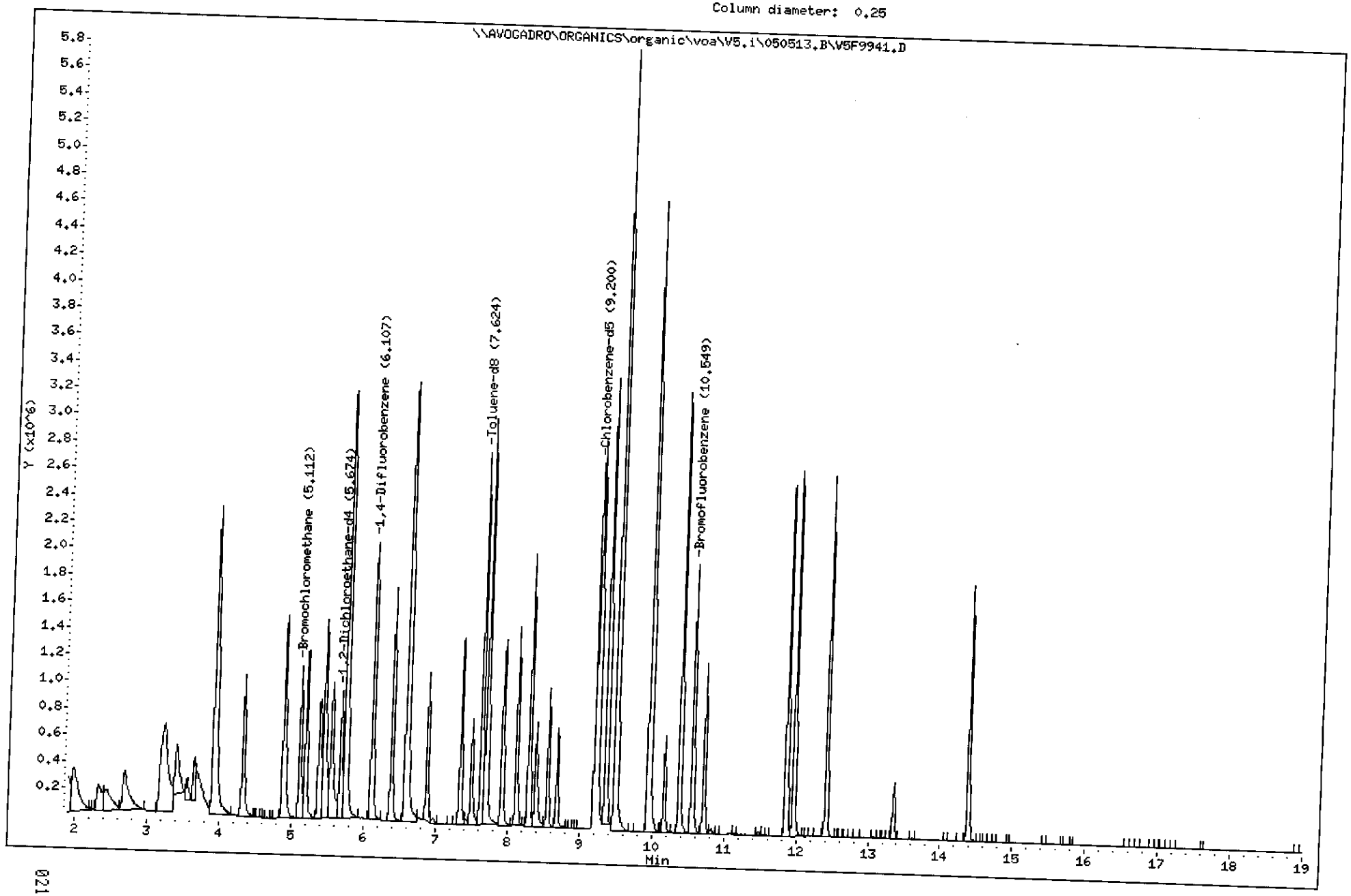
All other compounds must meet a minimum RRF of 0.010.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9941.D
Date : 13-MAY-2005 10:09
Client ID: VSTD0505L
Sample Info: ,VSTD0505L,VSTD0505L

Instrument: v5.i

Column phase: DB-624

Operator: JC
Column diameter: 0.25



0211

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9941.D
Report Date: 25-May-2005 10:48

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9941.D
Lab Smp Id: VSTD0505L Client Smp ID: VSTD0505L
Inj Date : 13-MAY-2005 10:09
Operator : JC Inst ID: v5.i
Smp Info : ,VSTD0505L,VSTD0505L
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 25-May-2005 10:43 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.685	1.685	(0.330)	1163015	50.0000	61
2 Chloromethane	50	1.882	1.882	(0.368)	1065835	50.0000	61
3 Vinyl Chloride	62	1.980	1.980	(0.387)	911216	50.0000	61
4 Bromomethane	94	2.325	2.325	(0.455)	478174	50.0000	65
5 Chloroethane	64	2.453	2.453	(0.480)	406209	50.0000	65
6 Trichlorofluoromethane	101	2.679	2.679	(0.524)	973766	50.0000	64
7 1,1-Dichloroethene	96	3.182	3.182	(0.622)	502933	50.0000	64
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.211	3.211	(0.628)	492739	50.0000	61
9 Acetone	43	3.231	3.231	(0.632)	449863	50.0000	66
10 Carbon Disulfide	76	3.398	3.398	(0.665)	1868921	50.0000	60
11 Methyl Acetate	43	3.930	3.930	(0.769)	426476	50.0000	49
12 Methylene Chloride	84	3.645	3.645	(0.713)	669625	50.0000	67
13 trans-1,2-Dichloroethene	96	3.911	3.911	(0.765)	699948	50.0000	58
14 Methyl tert-Butyl Ether	73	3.930	3.930	(0.769)	1790507	50.0000	52
15 1,1-Dichloroethane	63	4.314	4.314	(0.844)	1441244	50.0000	54

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9941.D
Report Date: 25-May-2005 10:48

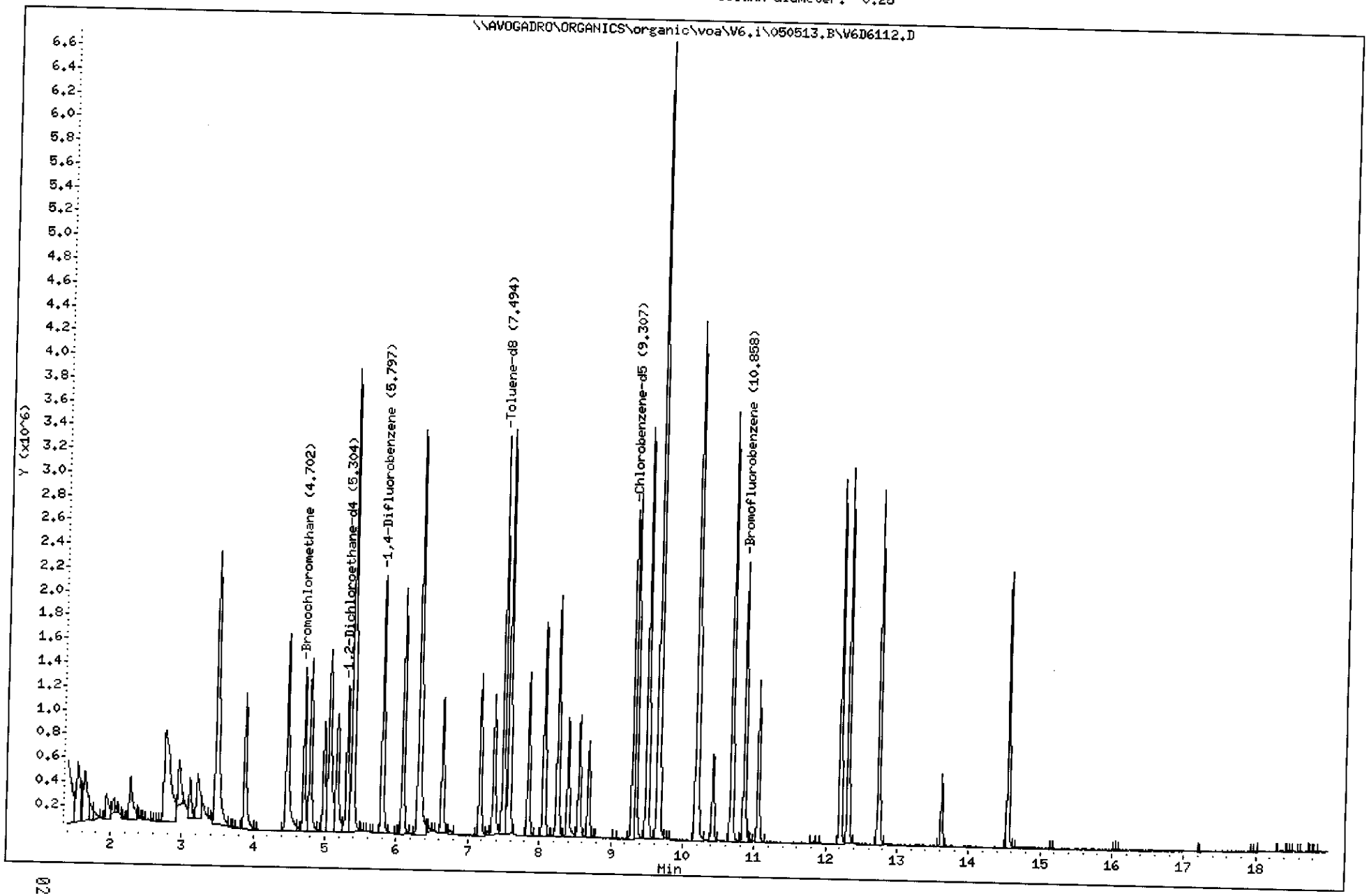
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 2-Butanone	43	4.896	4.896	(0.958)	587057	50.0000	59
	17 cis-1,2-Dichloroethene	96	4.876	4.876	(0.954)	707434	50.0000	55
*	18 Bromochloromethane	128	5.112	5.112	(1.000)	401080	50.0000	
	19 Chloroform	83	5.191	5.191	(1.015)	1245416	50.0000	54
	20 1,1,1-Trichloroethane	97	5.378	5.378	(0.881)	843803	50.0000	58
	21 Cyclohexane	56	5.437	5.437	(0.890)	1320531	50.0000	55
	22 Carbon Tetrachloride	117	5.546	5.546	(0.908)	806873	50.0000	62
$	23 1,2-Dichloroethane-d4	65	5.674	5.674	(1.110)	825553	50.0000	50
	24 1,2-Dichloroethane	62	5.743	5.743	(1.123)	956560	50.0000	56
	25 Benzene	78	5.733	5.733	(0.939)	2688658	50.0000	56
*	26 1,4-Difluorobenzene	114	6.107	6.107	(1.000)	1943927	50.0000	
	27 Trichloroethene	130	6.373	6.373	(1.044)	725715	50.0000	58
	28 Methylcyclohexane	83	6.580	6.580	(1.077)	1120564	50.0000	57
	29 1,2-Dichloropropane	63	6.600	6.600	(1.081)	780322	50.0000	56
	30 Bromodichloromethane	83	6.875	6.875	(1.126)	895057	50.0000	55
	31 cis-1,3-Dichloropropene	75	7.338	7.338	(1.202)	1011859	50.0000	52
	32 4-Methyl-2-Pentanone	43	7.496	7.496	(0.815)	843004	50.0000	56
$	33 Toluene-d8	98	7.624	7.624	(0.829)	2114004	50.0000	52
	34 Toluene	91	7.693	7.693	(0.836)	2548740	50.0000	57
	35 trans-1,3-Dichloropropene	75	7.919	7.919	(1.297)	924784	50.0000	53
	36 1,1,2-Trichloroethane	97	8.116	8.116	(1.329)	544951	50.0000	59
	37 Tetrachloroethene	164	8.294	8.294	(0.902)	563881	50.0000	59
	38 2-Hexanone	43	8.382	8.382	(0.911)	753593	50.0000	56
	39 Dibromochloromethane	129	8.550	8.550	(1.400)	645627	50.0000	56
	40 1,2-Dibromoethane	107	8.678	8.678	(0.943)	625551	50.0000	58
*	42 Chlorobenzene-d5	117	9.200	9.200	(1.000)	1744916	50.0000	
	43 Chlorobenzene	112	9.229	9.229	(1.003)	1699088	50.0000	56
	44 Ethylbenzene	106	9.357	9.357	(1.017)	874595	50.0000	59
	45 m,p-Xylene	106	9.495	9.495	(1.032)	2143980	100.000	120
	46 o-Xylene	106	9.948	9.948	(1.081)	1033351	50.0000	57
	47 Styrene	104	9.958	9.958	(1.082)	1364883	50.0000	57
	48 Bromoform	173	10.165	10.165	(1.664)	413245	50.0000	53
	49 Isopropylbenzene	105	10.372	10.372	(1.127)	2705695	50.0000	57
$	50 Bromofluorobenzene	95	10.549	10.549	(1.147)	865368	50.0000	47
	51 1,1,2,2-Tetrachloroethane	83	10.717	10.717	(1.165)	874047	50.0000	57
M	41 Xylene (Total)	106				3177331	50.0000	180
	52 1,3-Dichlorobenzene	146	11.859	11.859	(1.289)	1439967	50.0000	55
	53 1,4-Dichlorobenzene	146	11.968	11.968	(1.301)	1445879	50.0000	54
	54 1,2-Dichlorobenzene	146	12.411	12.411	(1.349)	1364434	50.0000	56
	55 1,2-Dibromo-3-chloropropane	75	13.347	13.347	(1.451)	134422	50.0000	55
	56 1,2,4-Trichlorobenzene	180	14.381	14.381	(1.563)	721300	50.0000	47

(SB) 5/25/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6112.D
Date : 13-MAY-2005 10:47
Client ID: VSTD0506C
Sample Info: ,VSTD0506C,VSTD0506C
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25



0214

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6112.D
Report Date: 25-May-2005 12:01

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6112.D
Lab Smp Id: VSTD0506C Client Smp ID: VSTD0506C
Inj Date : 13-MAY-2005 10:47
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0506C,VSTD0506C
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\v6clp4s.m
Meth Date : 25-May-2005 11:58 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:47 Cal File: V6D6112.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.374	1.374	(0.292)	816288	50.0000	52
2 Chloromethane	50	1.532	1.532	(0.326)	989138	50.0000	55
3 Vinyl Chloride	62	1.636	1.636	(0.348)	754476	50.0000	52
4 Bromomethane	94	1.940	1.940	(0.413)	311671	50.0000	45
5 Chloroethane	64	2.043	2.043	(0.435)	336217	50.0000	50
6 Trichlorofluoromethane	101	2.275	2.275	(0.484)	647307	50.0000	52
7 1,1-Dichloroethene	96	2.755	2.755	(0.586)	466646	50.0000	53
9 Acetone	43	2.798	2.798	(0.595)	425971	50.0000	78
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.773	2.773	(0.590)	403884	50.0000	53
10 Carbon Disulfide	76	2.956	2.956	(0.629)	1470771	50.0000	49
11 Methyl Acetate	43	3.114	3.114	(0.662)	498156	50.0000	54
12 Methylene Chloride	84	3.217	3.217	(0.684)	463818	50.0000	50
13 trans-1,2-Dichloroethene	96	3.473	3.473	(0.739)	628008	50.0000	46
14 Methyl tert-Butyl Ether	73	3.485	3.485	(0.741)	1657436	50.0000	46
15 1,1-Dichloroethane	63	3.874	3.874	(0.824)	1433531	50.0000	48
16 2-Butanone	43	4.483	4.483	(0.953)	820384	50.0000	69

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6112.D
Report Date: 25-May-2005 12:01

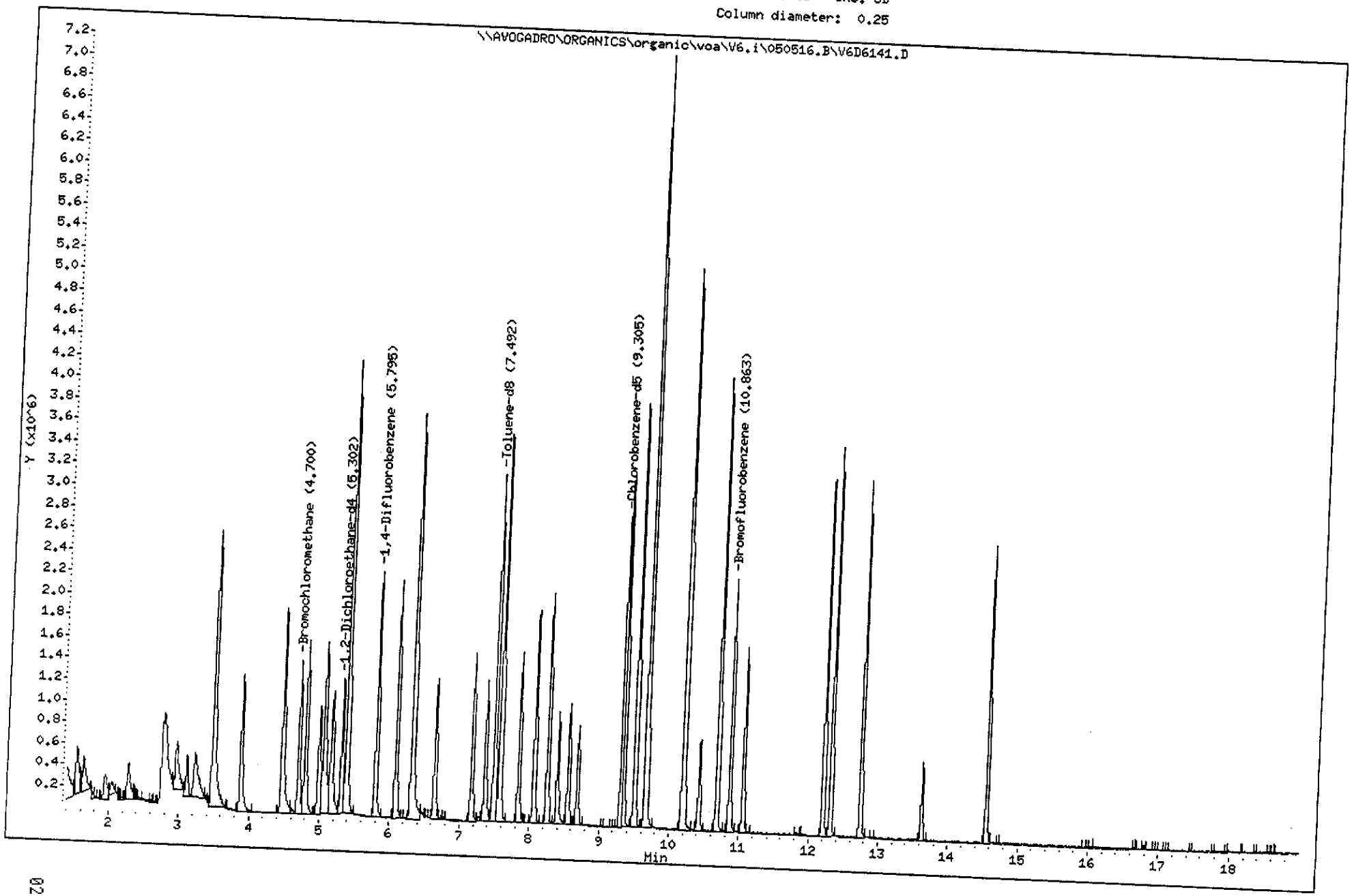
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.465	4.465	(0.950)	704168	50.0000	48
*	18 Bromochloromethane	128	4.702	4.702	(1.000)	364428	50.0000	
	19 Chloroform	83	4.793	4.793	(1.019)	1242145	50.0000	48
	20 1,1,1-Trichloroethane	97	4.988	4.988	(0.860)	729545	50.0000	41
	21 Cyclohexane	56	5.055	5.055	(0.872)	1310954	50.0000	51
	22 Carbon Tetrachloride	117	5.164	5.164	(0.891)	669919	50.0000	42
$	23 1,2-Dichloroethane-d4	65	5.304	5.304	(1.128)	1010413	50.0000	52
	25 Benzene	78	5.377	5.377	(0.928)	2701639	50.0000	50
	24 1,2-Dichloroethane	62	5.383	5.383	(1.145)	1145102	50.0000	49
*	26 1,4-Difluorobenzene	114	5.797	5.797	(1.000)	1895337	50.0000	
	27 Trichloroethene	130	6.083	6.083	(1.049)	782675	50.0000	47
	28 Methylcyclohexane	83	6.314	6.314	(1.089)	990165	50.0000	49
	29 1,2-Dichloropropane	63	6.320	6.320	(1.090)	852871	50.0000	48
	30 Bromodichloromethane	83	6.636	6.636	(1.145)	878465	50.0000	48
	31 cis-1,3-Dichloropropene	75	7.166	7.166	(1.236)	865435	50.0000	46
	32 4-Methyl-2-Pentanone	43	7.360	7.360	(0.791)	1111973	50.0000	56
$	33 Toluene-d8	98	7.494	7.494	(0.805)	2541566	50.0000	54
	34 Toluene	91	7.573	7.573	(0.814)	2811734	50.0000	49
	35 trans-1,3-Dichloropropene	75	7.841	7.841	(1.353)	859978	50.0000	48
	36 1,1,2-Trichloroethane	97	8.060	8.060	(1.390)	662434	50.0000	49
	37 Tetrachloroethene	164	8.255	8.255	(0.887)	538243	50.0000	46
	38 2-Hexanone	43	8.395	8.395	(0.902)	924052	50.0000	65
	39 Dibromochloromethane	129	8.553	8.553	(1.475)	647081	50.0000	46
	40 1,2-Dibromoethane	107	8.693	8.693	(0.934)	700915	50.0000	47
*	42 Chlorobenzene-d5	117	9.307	9.307	(1.000)	1794683	50.0000	
	43 Chlorobenzene	112	9.344	9.344	(1.004)	1846822	50.0000	46
	44 Ethylbenzene	106	9.502	9.502	(1.021)	964114	50.0000	47
	45 m,p-Xylene	106	9.660	9.660	(1.038)	2441694	100.000	97
	46 o-Xylene	106	10.189	10.189	(1.095)	1130771	50.0000	47
	47 Styrene	104	10.207	10.207	(1.097)	1311960	50.0000	64
	48 Bromoform	173	10.420	10.420	(1.798)	423309	50.0000	47
	49 Isopropylbenzene	105	10.682	10.682	(1.148)	2785927	50.0000	48
$	50 Bromofluorobenzene	95	10.858	10.858	(1.167)	960550	50.0000	52
	51 1,1,2,2-Tetrachloroethane	83	11.053	11.053	(1.188)	800216	50.0000	48
M	41 Xylene (Total)	106				3572465	50.0000	140
	52 1,3-Dichlorobenzene	146	12.203	12.203	(1.311)	1364678	50.0000	46
	53 1,4-Dichlorobenzene	146	12.312	12.312	(1.323)	1455674	50.0000	47
	54 1,2-Dichlorobenzene	146	12.744	12.744	(1.369)	1342288	50.0000	47
	55 1,2-Dibromo-3-chloropropane	75	13.626	13.626	(1.464)	165061	50.0000	52
	56 1,2,4-Trichlorobenzene	180	14.551	14.551	(1.563)	724802	50.0000	45

SB
5/25/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6141.D
Date : 16-MAY-2005 10:18
Client ID: VSTD0506D
Sample Info: ,VSTD0506D,VSTD0506D
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25



0217

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6141.D
Report Date: 16-May-2005 13:22

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6141.D
Lab Smp Id: VSTD0506D Client Smp ID: VSTD0506D
Inj Date : 16-MAY-2005 10:18
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0506D,VSTD0506D
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\v6clp4s.m
Meth Date : 16-May-2005 12:58 mtl Quant Type: ISTD
Cal Date : 16-MAY-2005 10:18 Cal File: V6D6141.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.372	1.372	(0.292)	860652	50.0000	50
2 Chloromethane	50	1.537	1.537	(0.327)	1007274	50.0000	50
3 Vinyl Chloride	62	1.634	1.634	(0.348)	816199	50.0000	50
4 Bromomethane	94	1.950	1.950	(0.415)	349184	50.0000	50
5 Chloroethane	64	2.042	2.042	(0.434)	358239	50.0000	50
6 Trichlorofluoromethane	101	2.273	2.273	(0.484)	686473	50.0000	50
7 1,1-Dichloroethene	96	2.760	2.760	(0.587)	524526	50.0000	50
9 Acetone	43	2.796	2.796	(0.595)	457652	50.0000	50
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.772	2.772	(0.590)	451158	50.0000	50
10 Carbon Disulfide	76	2.954	2.954	(0.629)	1682415	50.0000	50
11 Methyl Acetate	43	3.112	3.112	(0.662)	599893	50.0000	50
12 Methylene Chloride	84	3.222	3.222	(0.685)	584467	50.0000	50
13 trans-1,2-Dichloroethene	96	3.471	3.471	(0.739)	705481	50.0000	50
14 Methyl tert-Butyl Ether	73	3.490	3.490	(0.742)	1886346	50.0000	50
15 1,1-Dichloroethane	63	3.879	3.879	(0.825)	1576497	50.0000	50
16 2-Butanone	43	4.481	4.481	(0.953)	828439	50.0000	50

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6141.D
Report Date: 16-May-2005 13:22

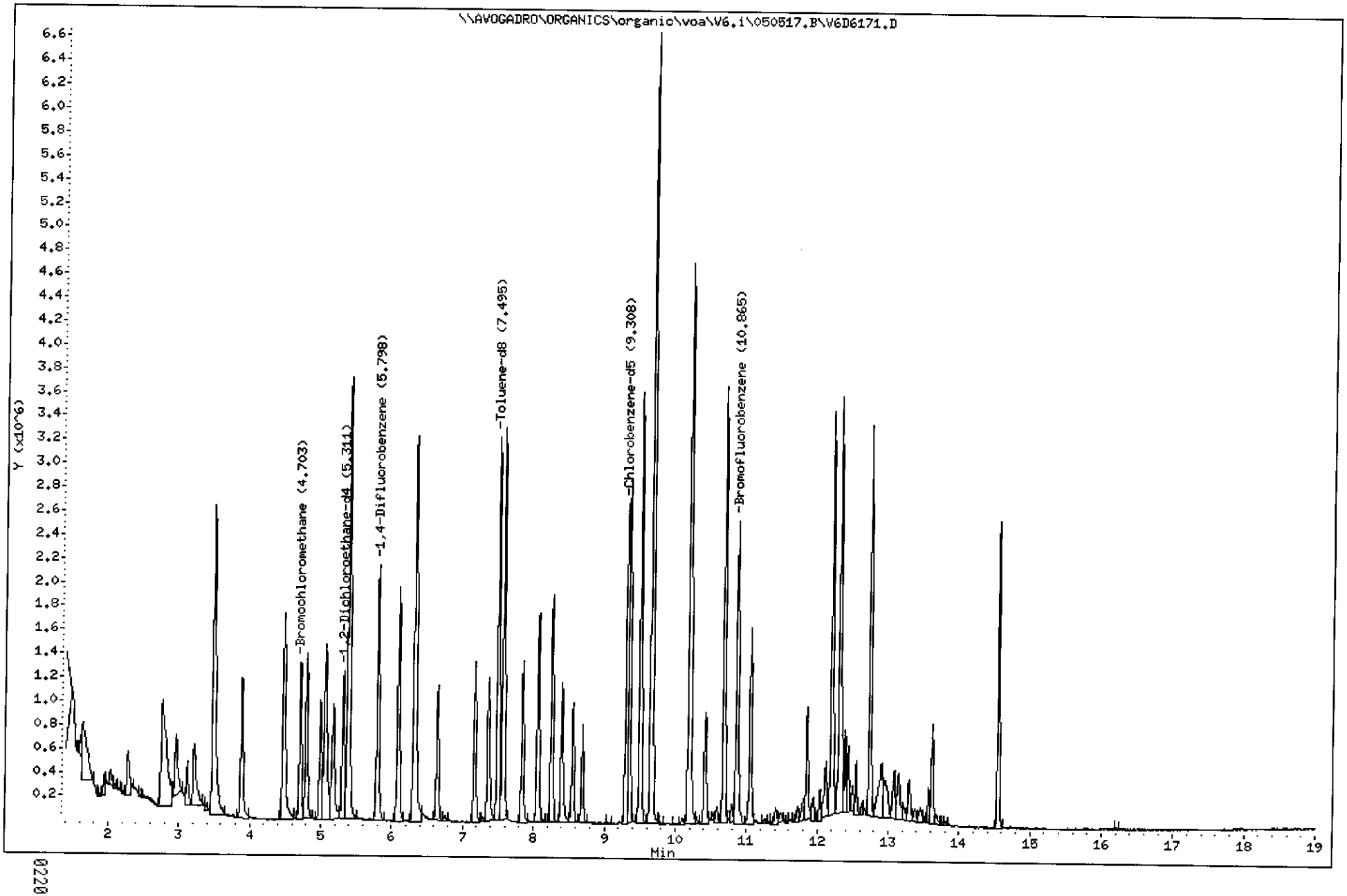
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.463	4.463	(0.950)	797642	50.0000	50
*	18 Bromochloromethane	128	4.700	4.700	(1.000)	366813	50.0000	
	19 Chloroform	83	4.791	4.791	(1.019)	1369410	50.0000	50
	20 1,1,1-Trichloroethane	97	4.986	4.986	(0.860)	823998	50.0000	50
	21 Cyclohexane	56	5.059	5.059	(0.873)	1373787	50.0000	50
	22 Carbon Tetrachloride	117	5.162	5.162	(0.891)	777506	50.0000	50
$	23 1,2-Dichloroethane-d4	65	5.302	5.302	(1.128)	1062100	50.0000	50
	25 Benzene	78	5.375	5.375	(0.928)	2969208	50.0000	50
	24 1,2-Dichloroethane	62	5.388	5.388	(1.146)	1307281	50.0000	50
*	26 1,4-Difluorobenzene	114	5.795	5.795	(1.000)	1958069	50.0000	
	27 Trichloroethene	130	6.087	6.087	(1.050)	831211	50.0000	50
	28 Methylcyclohexane	83	6.312	6.312	(1.089)	1101044	50.0000	50
	29 1,2-Dichloropropane	63	6.324	6.324	(1.091)	951027	50.0000	50
	30 Bromodichloromethane	83	6.641	6.641	(1.146)	996724	50.0000	50
	31 cis-1,3-Dichloropropene	75	7.170	7.170	(1.237)	1004159	50.0000	50
	32 4-Methyl-2-Pentanone	43	7.359	7.359	(0.791)	1230259	50.0000	50
$	33 Toluene-d8	98	7.492	7.492	(0.805)	2510029	50.0000	50
	34 Toluene	91	7.572	7.572	(0.814)	3087662	50.0000	50
	35 trans-1,3-Dichloropropene	75	7.845	7.845	(1.354)	1002548	50.0000	50
	36 1,1,2-Trichloroethane	97	8.064	8.064	(1.392)	742691	50.0000	50
	37 Tetrachloroethene	164	8.259	8.259	(0.888)	590953	50.0000	50
	38 2-Hexanone	43	8.393	8.393	(0.902)	983124	50.0000	50
	39 Dibromochloromethane	129	8.551	8.551	(1.476)	760318	50.0000	50
	40 1,2-Dibromoethane	107	8.691	8.691	(0.934)	791491	50.0000	50
*	42 Chlorobenzene-d5	117	9.305	9.305	(1.000)	1845177	50.0000	
	43 Chlorobenzene	112	9.342	9.342	(1.004)	2091775	50.0000	50
	44 Ethylbenzene	106	9.500	9.500	(1.021)	1083447	50.0000	50
	45 m,p-Xylene	106	9.664	9.664	(1.039)	2727884	100.000	100
	46 o-Xylene	106	10.187	10.187	(1.095)	1276771	50.0000	50
	47 Styrene	104	10.206	10.206	(1.097)	1609507	50.0000	50
	48 Bromoform	173	10.425	10.425	(1.799)	489217	50.0000	50
	49 Isopropylbenzene	105	10.680	10.680	(1.148)	3178452	50.0000	50
$	50 Bromofluorobenzene	95	10.863	10.863	(1.167)	997796	50.0000	50
	51 1,1,2,2-Tetrachloroethane	83	11.057	11.057	(1.188)	1029531	50.0000	50
M	41 Xylene (Total)	106				4004655	50.0000	150
	52 1,3-Dichlorobenzene	146	12.207	12.207	(1.312)	1543119	50.0000	50
	53 1,4-Dichlorobenzene	146	12.311	12.311	(1.323)	1650183	50.0000	50
	54 1,2-Dichlorobenzene	146	12.742	12.742	(1.369)	1505977	50.0000	50
	55 1,2-Dibromo-3-chloropropane	75	13.625	13.625	(1.464)	205061	50.0000	50
	56 1,2,4-Trichlorobenzene	180	14.549	14.549	(1.564)	906021	50.0000	50

(38)
5/16/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6171.D
Date : 17-MAY-2005 10:10
Client ID: VSTD0506F
Sample Info: ,VSTD0506F,VSTD0506F
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25



0220

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6171.D
Report Date: 25-May-2005 12:06

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6171.D
Lab Smp Id: VSTD0506F Client Smp ID: VSTD0506F
Inj Date : 17-MAY-2005 10:10
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0506F,VSTD0506F
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\v6clp4s.m
Meth Date : 25-May-2005 12:05 mtl Quant Type: ISTD
Cal Date : 17-MAY-2005 10:10 Cal File: V6D6171.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.381	1.381	(0.294)	702682	50.0000	39
2 Chloromethane	50	1.655	1.655	(0.352)	879073	50.0000	41
3 Vinyl Chloride	62	1.637	1.637	(0.348)	676909	50.0000	42
4 Bromomethane	94	1.947	1.947	(0.414)	342473	50.0000	50
5 Chloroethane	64	2.038	2.038	(0.433)	347920	50.0000	47
6 Trichlorofluoromethane	101	2.282	2.282	(0.485)	679792	50.0000	48
7 1,1-Dichloroethene	96	2.756	2.756	(0.586)	477880	50.0000	48
9 Acetone	43	2.805	2.805	(0.596)	554319	50.0000	67
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.774	2.774	(0.590)	425575	50.0000	47
10 Carbon Disulfide	76	2.957	2.957	(0.629)	1528231	50.0000	45
11 Methyl Acetate	43	3.121	3.121	(0.664)	544071	50.0000	48
12 Methylene Chloride	84	3.212	3.212	(0.683)	480736	50.0000	44
13 trans-1,2-Dichloroethene	96	3.480	3.480	(0.740)	682573	50.0000	46
14 Methyl tert-Butyl Ether	73	3.492	3.492	(0.743)	1806205	50.0000	46
15 1,1-Dichloroethane	63	3.888	3.888	(0.827)	1460045	50.0000	45
16 2-Butanone	43	4.484	4.484	(0.953)	944013	50.0000	59

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6171.D
Report Date: 25-May-2005 12:06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.472	4.472	(0.951)	701611	50.0000	44
*	18 Bromochloromethane	128	4.703	4.703	(1.000)	373860	50.0000	
	19 Chloroform	83	4.794	4.794	(1.019)	1216099	50.0000	43
	20 1,1,1-Trichloroethane	97	4.989	4.989	(0.860)	818672	50.0000	47
	21 Cyclohexane	56	5.062	5.062	(0.873)	1213675	50.0000	43
	22 Carbon Tetrachloride	117	5.171	5.171	(0.892)	689671	50.0000	43
$	23 1,2-Dichloroethane-d4	65	5.311	5.311	(1.129)	1053887	50.0000	50
	25 Benzene	78	5.378	5.378	(0.928)	2704827	50.0000	45
	24 1,2-Dichloroethane	62	5.390	5.390	(1.146)	1132298	50.0000	42
*	26 1,4-Difluorobenzene	114	5.798	5.798	(1.000)	1901929	50.0000	
	27 Trichloroethene	130	6.090	6.090	(1.050)	756738	50.0000	45
	28 Methylcyclohexane	83	6.315	6.315	(1.089)	882325	50.0000	39
	29 1,2-Dichloropropane	63	6.327	6.327	(1.091)	836742	50.0000	43
	30 Bromodichloromethane	83	6.643	6.643	(1.146)	885455	50.0000	43
	31 cis-1,3-Dichloropropene	75	7.173	7.173	(1.237)	889473	50.0000	44
	32 4-Methyl-2-Pentanone	43	7.361	7.361	(0.791)	1151080	50.0000	49
$	33 Toluene-d8	98	7.495	7.495	(0.805)	2504250	50.0000	53
	34 Toluene	91	7.574	7.574	(0.814)	2765134	50.0000	45
	35 trans-1,3-Dichloropropene	75	7.842	7.842	(1.353)	874632	50.0000	44
	36 1,1,2-Trichloroethane	97	8.061	8.061	(1.390)	655651	50.0000	43
	37 Tetrachloroethene	164	8.255	8.255	(0.887)	548730	50.0000	45
	38 2-Hexanone	43	8.396	8.396	(0.902)	1068728	50.0000	58
	39 Dibromochloromethane	129	8.560	8.560	(1.476)	682708	50.0000	44
	40 1,2-Dibromoethane	107	8.688	8.688	(0.933)	736812	50.0000	45
*	42 Chlorobenzene-d5	117	9.308	9.308	(1.000)	1790182	50.0000	
	43 Chlorobenzene	112	9.345	9.345	(1.004)	1919001	50.0000	45
	44 Ethylbenzene	106	9.503	9.503	(1.021)	976347	50.0000	45
	45 m,p-Xylene	106	9.661	9.661	(1.038)	2458539	100.000	90
	46 o-Xylene	106	10.190	10.190	(1.095)	1173035	50.0000	47
	47 Styrene	104	10.208	10.208	(1.097)	1482367	50.0000	48
	48 Bromoform	173	10.427	10.427	(1.798)	475270	50.0000	48
	49 Isopropylbenzene	105	10.683	10.683	(1.148)	2890351	50.0000	47
$	50 Bromofluorobenzene	95	10.859	10.859	(1.167)	1008342	50.0000	54
	51 1,1,2,2-Tetrachloroethane	83	11.054	11.054	(1.188)	941572	50.0000	44
M	41 Xylene (Total)	106				3631574	50.0000	140
	52 1,3-Dichlorobenzene	146	12.204	12.204	(1.311)	1507472	50.0000	49
	53 1,4-Dichlorobenzene	146	12.313	12.313	(1.323)	1551264	50.0000	48
	54 1,2-Dichlorobenzene	146	12.739	12.739	(1.369)	1467888	50.0000	49
	55 1,2-Dibromo-3-chloropropane	75	13.621	13.621	(1.463)	203453	50.0000	48
	56 1,2,4-Trichlorobenzene	180	14.552	14.552	(1.563)	822007	50.0000	48

SB
5/25/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9475.D

Date : 13-APR-2005 10:45

Client ID: BFB5Z

Instrument: v5.i

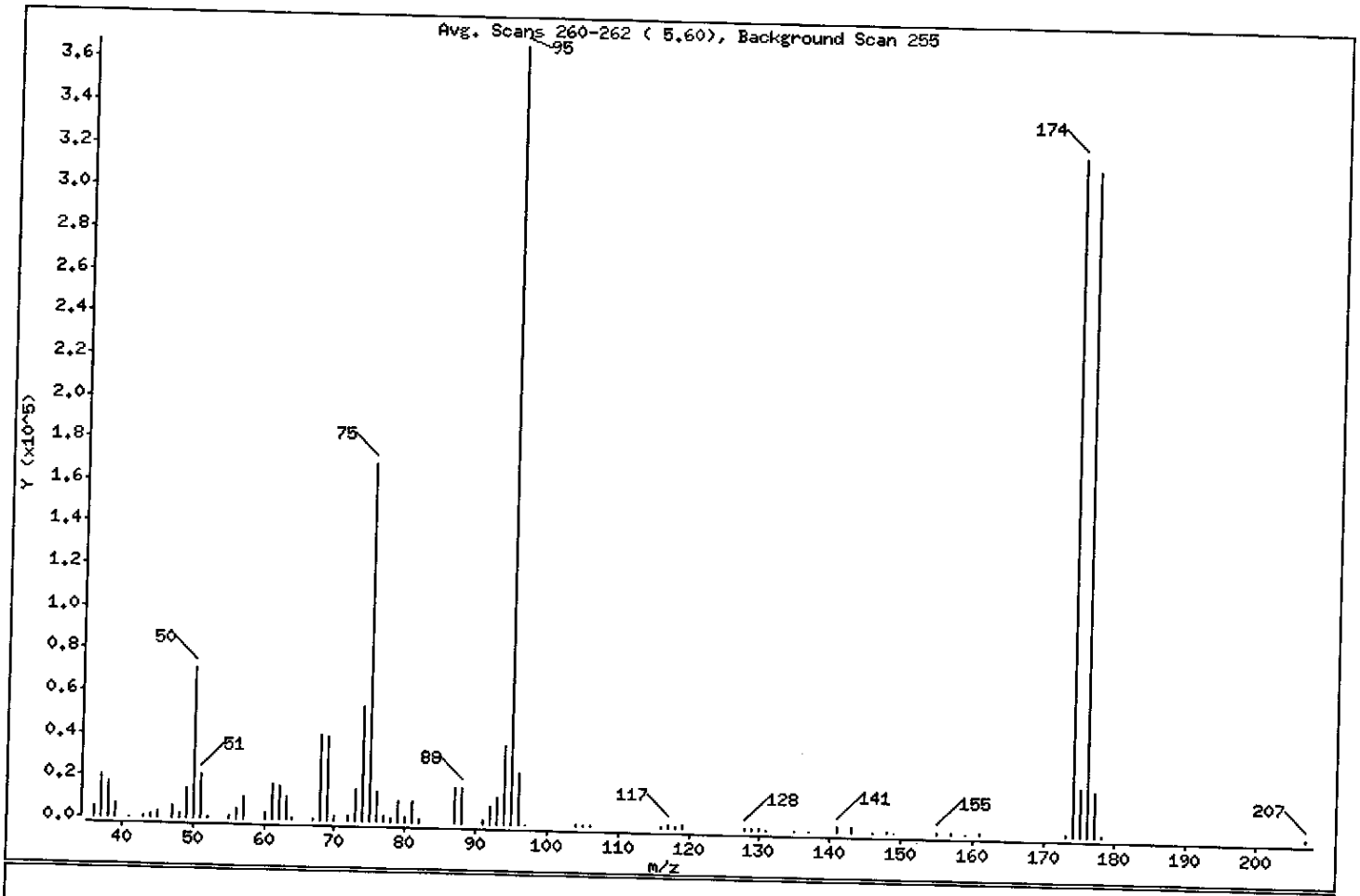
Sample Info: ,BFB5Z,BFB5Z

Operator: JC

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.43
75	30.00 - 66.00% of mass 95	46.04
96	5.00 - 9.00% of mass 95	6.73
173	Less than 2.00% of mass 174	0.17 (0.20)
174	50.00 - 120.00% of mass 95	87.23
175	4.00 - 9.00% of mass 174	6.26 (7.17)
176	93.00 - 101.00% of mass 174	85.42 (97.93)
177	5.00 - 9.00% of mass 176	5.67 (6.64)

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9475.D

Date : 13-APR-2005 10:45

Client ID: BFB5Z

Instrument: v5.i

Sample Info: ,BFB5Z,BFB5Z

Column phase: DB-624

Operator: JC

Column diameter: 0.25

Data File: V5F9475.D

Spectrum: Avg. Scans 260-262 (5.60), Background Scan 255

Location of Maximum: 95.00

Number of points: 75

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4826	62.00	15864	88.00	17056	135.00	233
37.00	20400	63.00	11336	91.00	1376	137.00	230
38.00	17152	64.00	796	92.00	8430	141.00	2642
39.00	6876	67.00	1060	93.00	12795	143.00	2348
41.00	411	68.00	40520	94.00	37504	146.00	359
43.00	730	69.00	39376	95.00	367936	148.00	826
44.00	1354	70.00	2439	96.00	24752	149.00	174
45.00	3391	72.00	2208	97.00	410	155.00	725
47.00	5591	73.00	15338	104.00	1176	157.00	611
48.00	2605	74.00	54552	105.00	581	159.00	388
49.00	14328	75.00	169408	106.00	1268	161.00	430
50.00	71472	76.00	13970	116.00	1212	173.00	636
51.00	21168	77.00	2737	117.00	1892	174.00	320960
52.00	1255	78.00	1948	118.00	1178	175.00	23016
55.00	1300	79.00	10238	119.00	1654	176.00	314304
56.00	5463	80.00	2617	128.00	1259	177.00	20856
57.00	10863	81.00	10421	129.00	632	178.00	429
60.00	3710	82.00	1914	130.00	1143	207.00	446
61.00	16768	87.00	16928	131.00	236		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050413.B\V5F9475.D

Date : 13-APR-2005 10:45

Client ID: BFB5Z

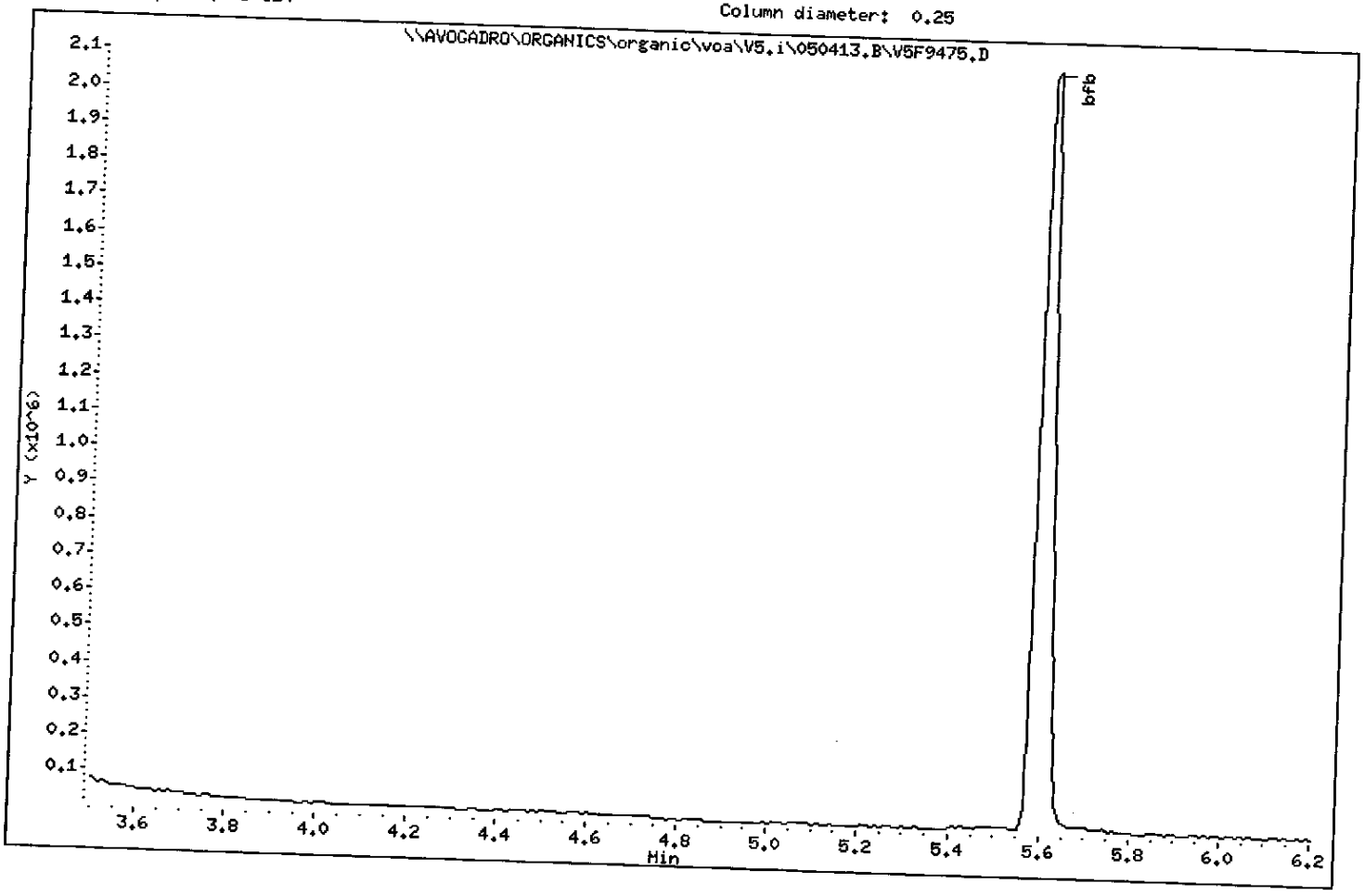
Instrument: v5.i

Sample Info: ,BFB5Z,BFB5Z

Operator: JC

Column phase: DB-624

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9940.D

Date : 13-MAY-2005 09:26

Client ID: BFB5L

Instrument: v5.i

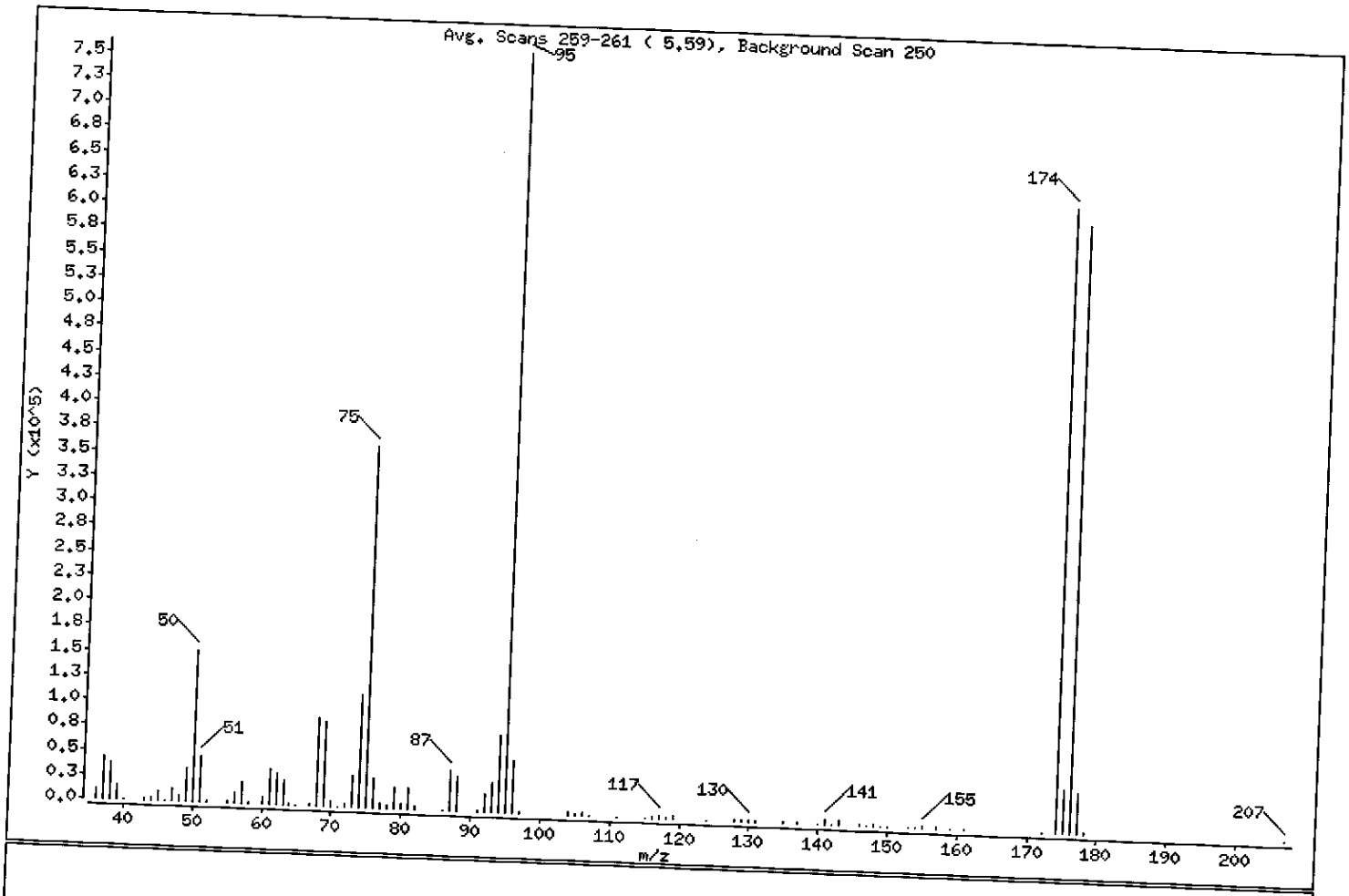
Sample Info: ,BFB5L,BFB5L

Operator: JC

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.92
75	30.00 - 66.00% of mass 95	47.48
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	82.28
175	4.00 - 9.00% of mass 174	5.87 (7.14)
176	93.00 - 101.00% of mass 174	79.87 (97.07)
177	5.00 - 9.00% of mass 176	5.30 (6.64)

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9940.D

Date : 13-MAY-2005 09:26

Client ID: BFB5L

Instrument: v5.i

Sample Info: ,BFB5L,BFB5L

Operator: JC

Column phase: DB-624

Column diameter: 0.25

Data File: V5F9940.D

Spectrum: Avg. Scans 259-261 (5.59), Background Scan 250

Location of Maximum: 95.00

Number of points: 90

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	9777	64.00	2221	93.00	29232	141.00	5224
37.00	43000	65.00	648	94.00	77992	142.00	300
38.00	36728	67.00	2347	95.00	761792	143.00	4850
39.00	14192	68.00	87520	96.00	51816	146.00	934
40.00	510	69.00	84360	97.00	1442	147.00	192
43.00	1095	70.00	5677	104.00	2761	148.00	1333
44.00	3343	71.00	189	105.00	1043	149.00	193
45.00	8411	72.00	4025	106.00	2901	150.00	411
46.00	351	73.00	31712	107.00	782	153.00	167
47.00	11448	74.00	111984	111.00	178	154.00	206
48.00	5163	75.00	361664	115.00	529	155.00	1693
49.00	32664	76.00	30112	116.00	2171	157.00	1067
50.00	151744	77.00	5067	117.00	3626	159.00	560
51.00	46336	78.00	3894	118.00	2233	161.00	239
52.00	2010	79.00	20912	119.00	3197	172.00	848
55.00	2328	80.00	5289	124.00	205	174.00	626816
56.00	11152	81.00	20920	128.00	2351	175.00	44752
57.00	21832	82.00	4006	129.00	1085	176.00	608448
58.00	1187	86.00	561	130.00	2462	177.00	40384
60.00	7808	87.00	39672	131.00	912	178.00	1137
61.00	35336	88.00	35504	135.00	1081	207.00	176
62.00	32208	91.00	2320	137.00	1046		
63.00	24776	92.00	17384	140.00	171		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9940.D

Date : 13-MAY-2005 09:26

Client ID: BFB5L

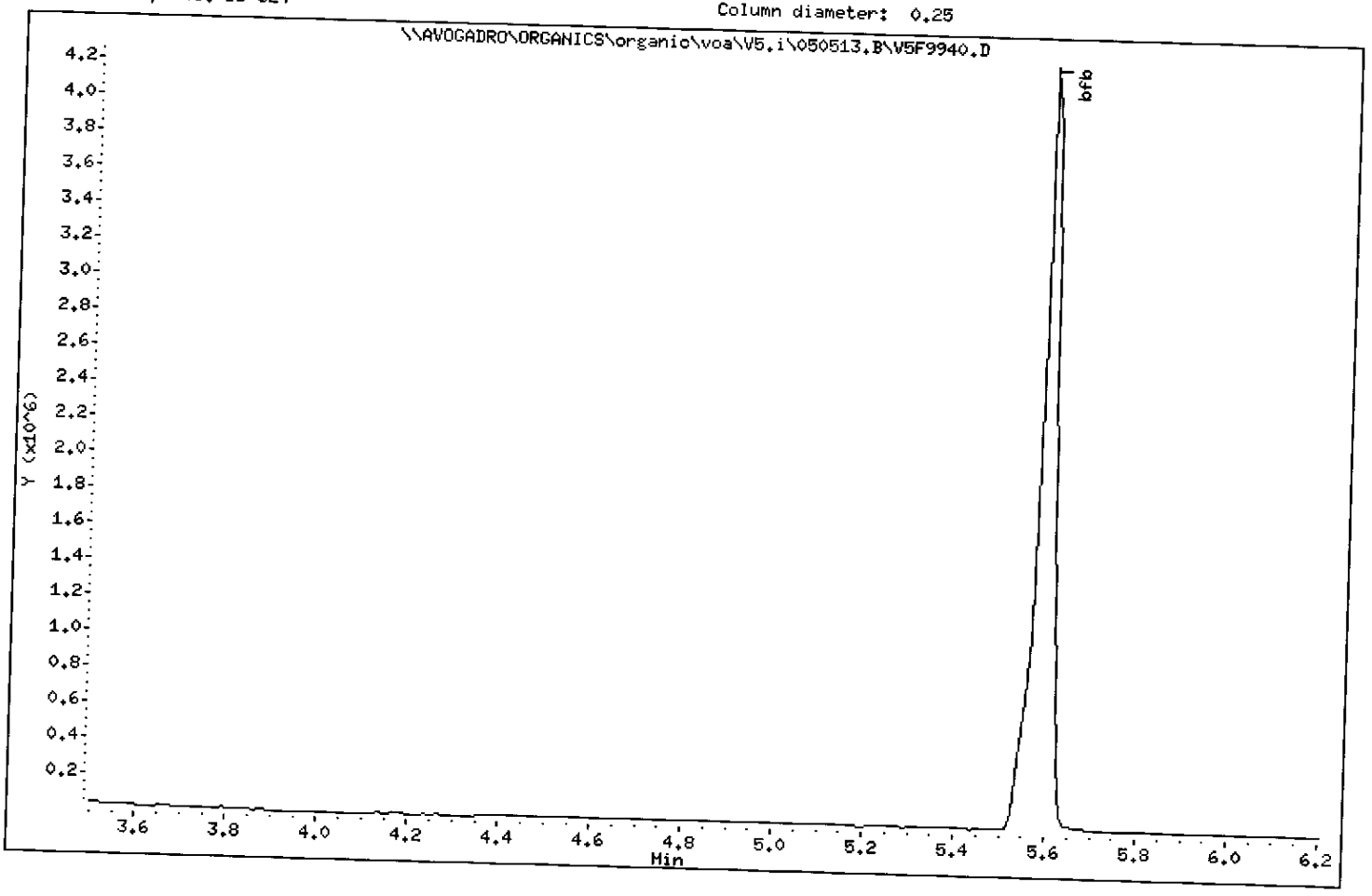
Instrument: v5.i

Sample Info: ,BFB5L,BFB5L

Operator: JC

Column phase: DB-624

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6090.D

Date : 12-MAY-2005 09:37

Client ID: BFB6B

Sample Info: ,BFB6B,BFB6B

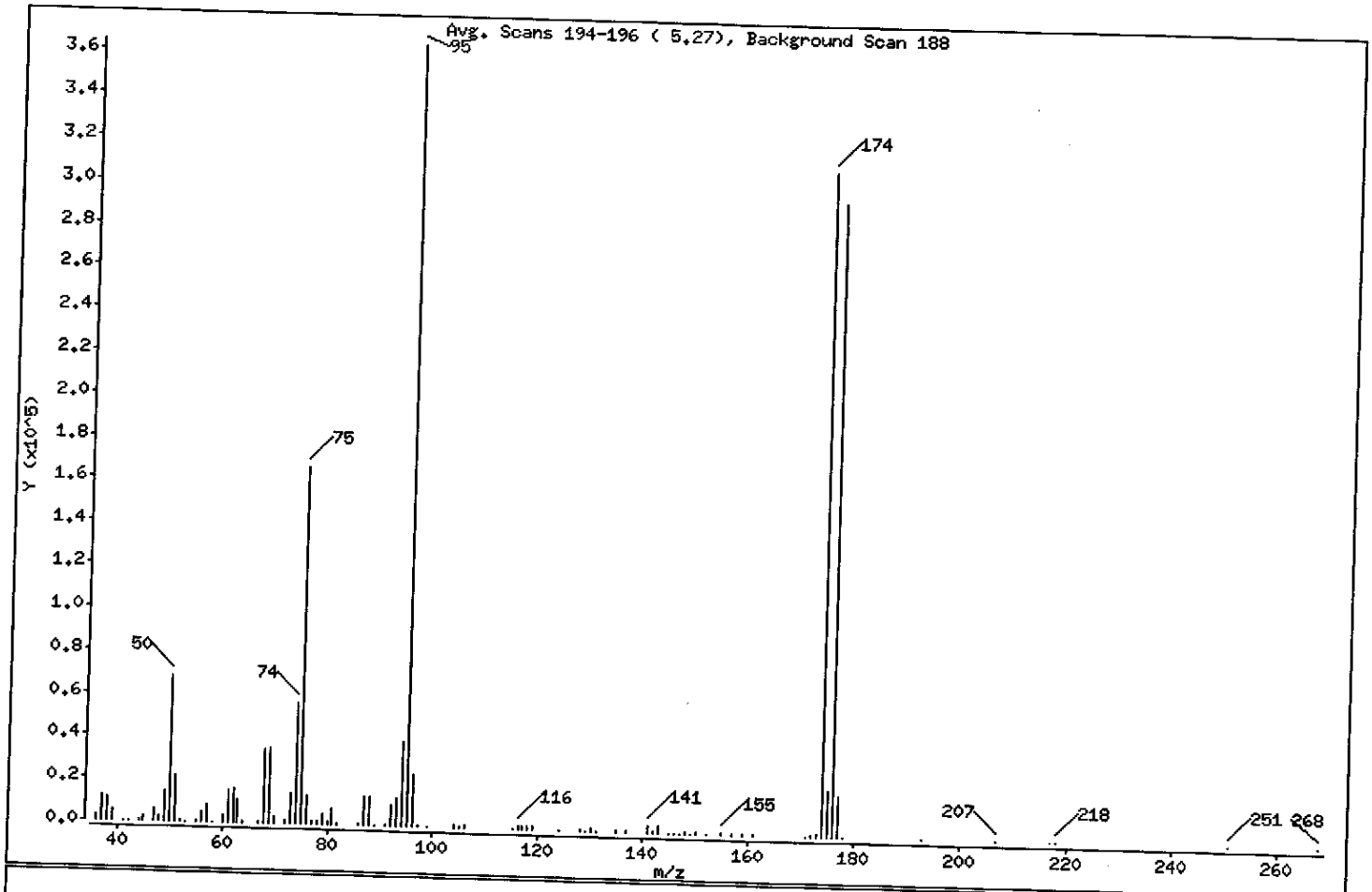
Instrument: v6.i

Operator: SB

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	18.56
75	30.00 - 66.00% of mass 95	45.52
96	5.00 - 9.00% of mass 95	6.66
173	Less than 2.00% of mass 174	0.45 (0.53)
174	50.00 - 120.00% of mass 95	84.93
175	4.00 - 9.00% of mass 174	6.00 (7.07)
176	93.00 - 101.00% of mass 174	81.09 (95.47)
177	5.00 - 9.00% of mass 176	5.25 (6.48)

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6090.D

Date : 12-MAY-2005 09:37

Client ID: BFB6B

Instrument: v6.i

Sample Info: ,BFB6B,BFB6B

Operator: SB

Column phase: DB-624

Column diameter: 0.25

Data File: V6D6090.D

Spectrum: Avg. Scans 194-196 (5.27), Background Scan 188

Location of Maximum: 95.00

Number of points: 94

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2841	67.00	513	96.00	24280	148.00	921
37.00	11608	68.00	34464	97.00	559	149.00	221
38.00	10597	69.00	34920	99.00	183	150.00	430
39.00	4863	70.00	2959	104.00	1777	152.00	194
41.00	36	72.00	1448	105.00	611	155.00	1222
42.00	347	73.00	14672	106.00	1691	157.00	627
44.00	518	74.00	55968	115.00	180	159.00	477
45.00	2804	75.00	165888	116.00	1670	161.00	436
47.00	5808	76.00	13741	117.00	1589	171.00	376
48.00	2349	77.00	1977	118.00	1406	172.00	599
49.00	14513	78.00	1448	119.00	1511	173.00	1638
50.00	67624	79.00	5247	124.00	215	174.00	309504
51.00	21768	80.00	1929	128.00	1228	175.00	21880
52.00	914	81.00	7759	129.00	245	176.00	295488
53.00	283	82.00	958	130.00	1480	177.00	19144
55.00	651	86.00	435	131.00	371	178.00	239
56.00	4647	87.00	13496	135.00	619	193.00	173
57.00	8087	88.00	13326	137.00	841	207.00	285
58.00	186	89.00	250	141.00	3605	217.00	193
60.00	3591	91.00	984	142.00	826	218.00	301
61.00	15374	92.00	10344	143.00	3132	251.00	218
62.00	16321	93.00	13079	145.00	243	268.00	232
63.00	10836	94.00	39840	146.00	259		
64.00	1145	95.00	364416	147.00	285		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050512.B\V6D6090.D

Date : 12-MAY-2005 09:37

Client ID: BFB6B

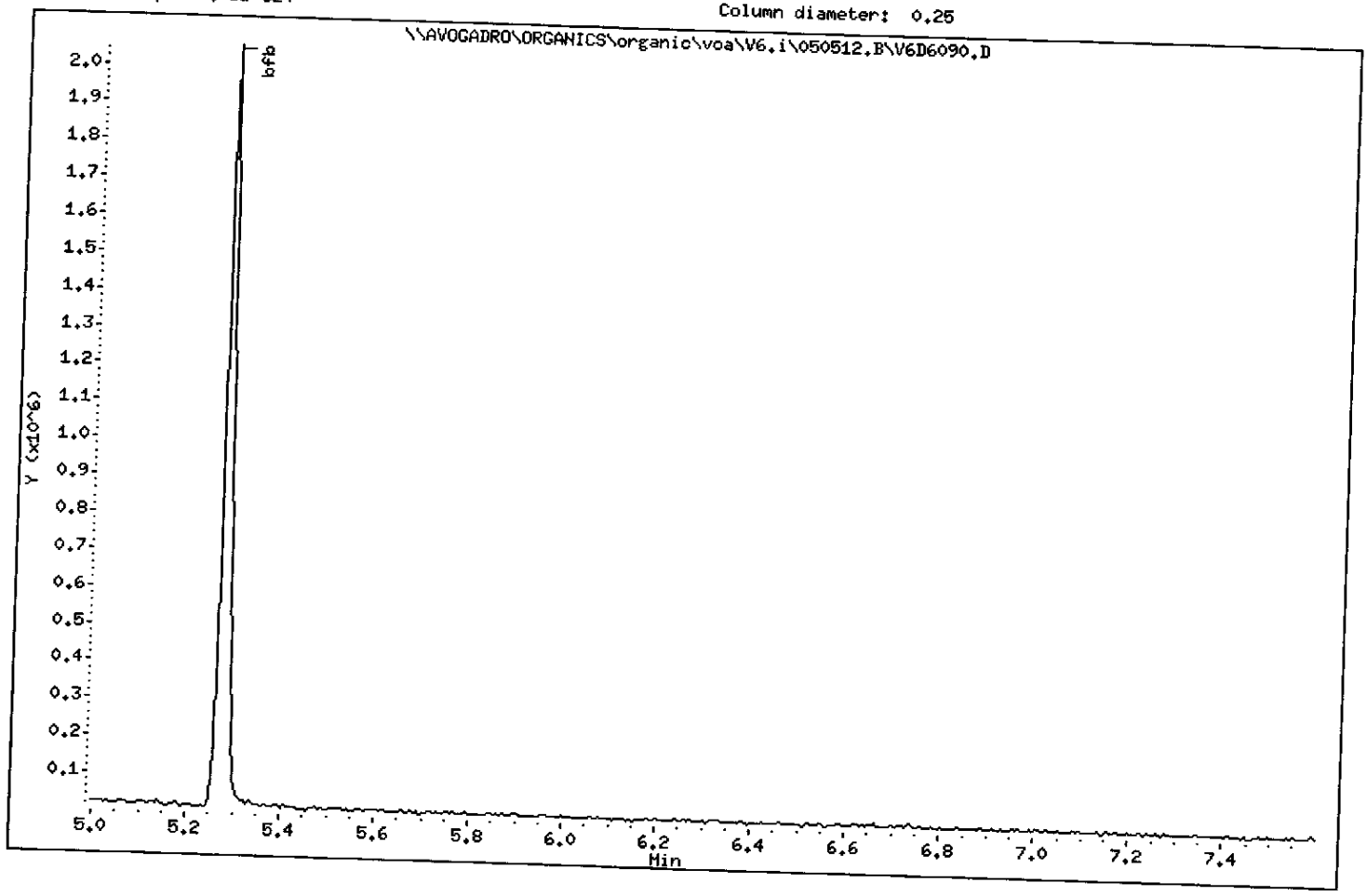
Instrument: v6.i

Sample Info: ,BFB6B,BFB6B

Operator: SB

Column phase: DB-624

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6110.D

Date : 13-MAY-2005 09:27

Client ID:

Instrument: V6.i

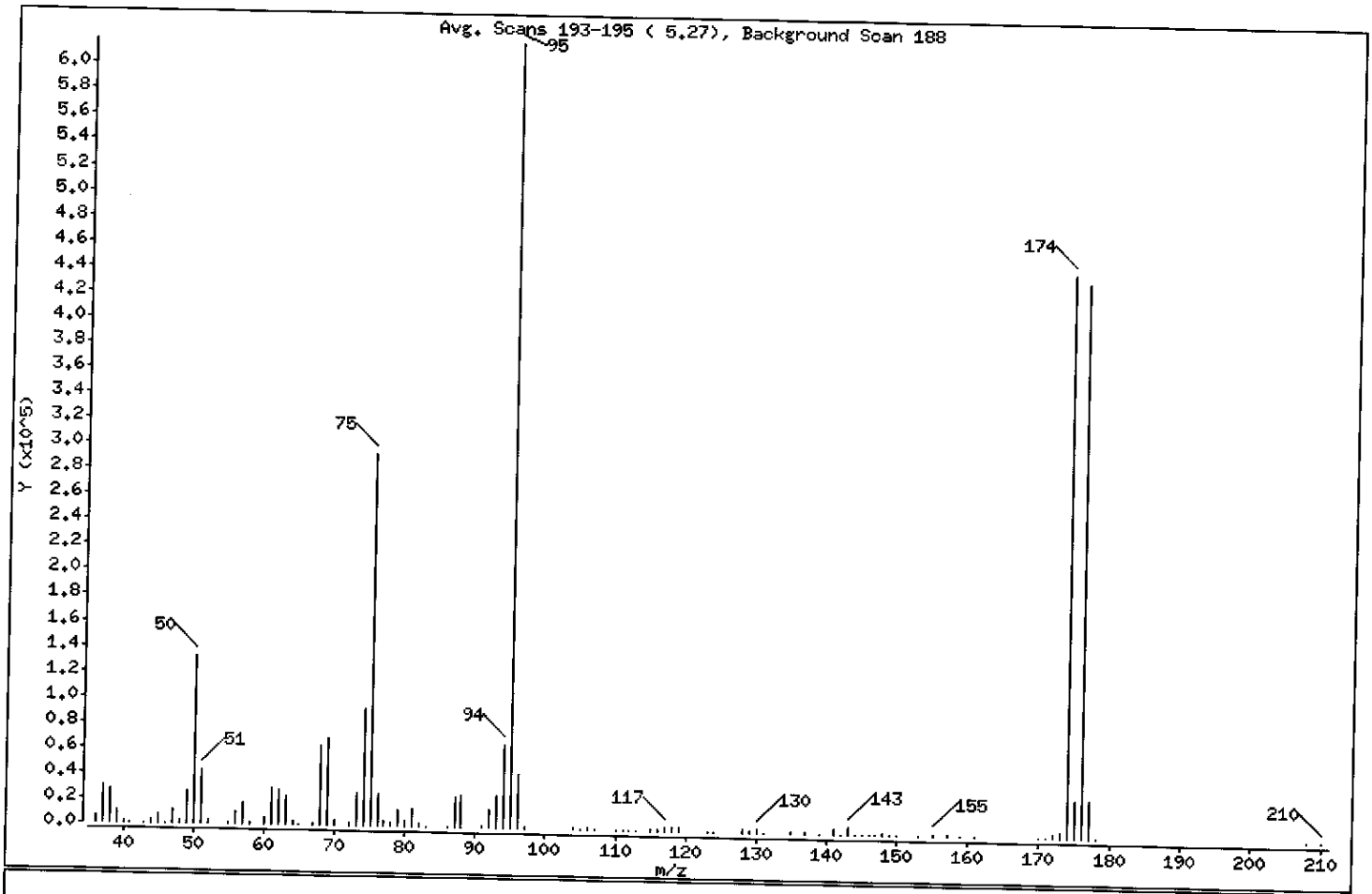
Sample Info: ,BFB6C,BFB6C

Operator: SB

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	21.40
75	30.00 - 66.00% of mass 95	47.32
96	5.00 - 9.00% of mass 95	6.84
173	Less than 2.00% of mass 174	0.60 (0.84)
174	50.00 - 120.00% of mass 95	71.67
175	4.00 - 9.00% of mass 174	4.88 (6.81)
176	93.00 - 101.00% of mass 174	70.54 (98.43)
177	5.00 - 9.00% of mass 176	4.78 (6.78)

Data File: V6D6110.D
Spectrum: Avg. Scans 193-195 (5.27), Background Scan 188
Location of Maximum: 95.00
Number of points: 100

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5574	67.00	1588	104.00	2059	145.00	636
37.00	29952	68.00	63096	105.00	397	146.00	699
38.00	27064	69.00	67856	106.00	1906	147.00	251
39.00	9724	70.00	4467	107.00	188	148.00	1665
40.00	1062	72.00	2947	110.00	603	149.00	441
41.00	93	73.00	25192	111.00	186	150.00	212
43.00	494	74.00	92176	112.00	167	153.00	253
44.00	2290	75.00	292864	113.00	426	155.00	1600
45.00	6963	76.00	25248	115.00	912	157.00	1139
46.00	452	77.00	3643	116.00	1829	159.00	289
47.00	11913	78.00	3251	117.00	3371	161.00	690
48.00	2996	79.00	13065	118.00	2349	170.00	294
49.00	26200	80.00	3856	119.00	2737	171.00	290
50.00	132416	81.00	13840	123.00	262	172.00	2308
51.00	42944	82.00	2841	124.00	190	173.00	3714
52.00	2405	83.00	356	128.00	2330	174.00	443584
55.00	1822	86.00	421	129.00	1060	175.00	30208
56.00	9379	87.00	24848	130.00	2464	176.00	436608
57.00	17744	88.00	25088	131.00	402	177.00	29584
58.00	803	91.00	1978	135.00	871	178.00	627
60.00	5265	92.00	14840	137.00	948	208.00	174
61.00	28312	93.00	25584	139.00	485	210.00	189
62.00	26936	94.00	65792	141.00	4123		
63.00	22312	95.00	618944	142.00	594		
64.00	2208	96.00	42344	143.00	5504		
65.00	479	97.00	903	144.00	337		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6110.D

Date : 13-MAY-2005 09:27

Client ID:

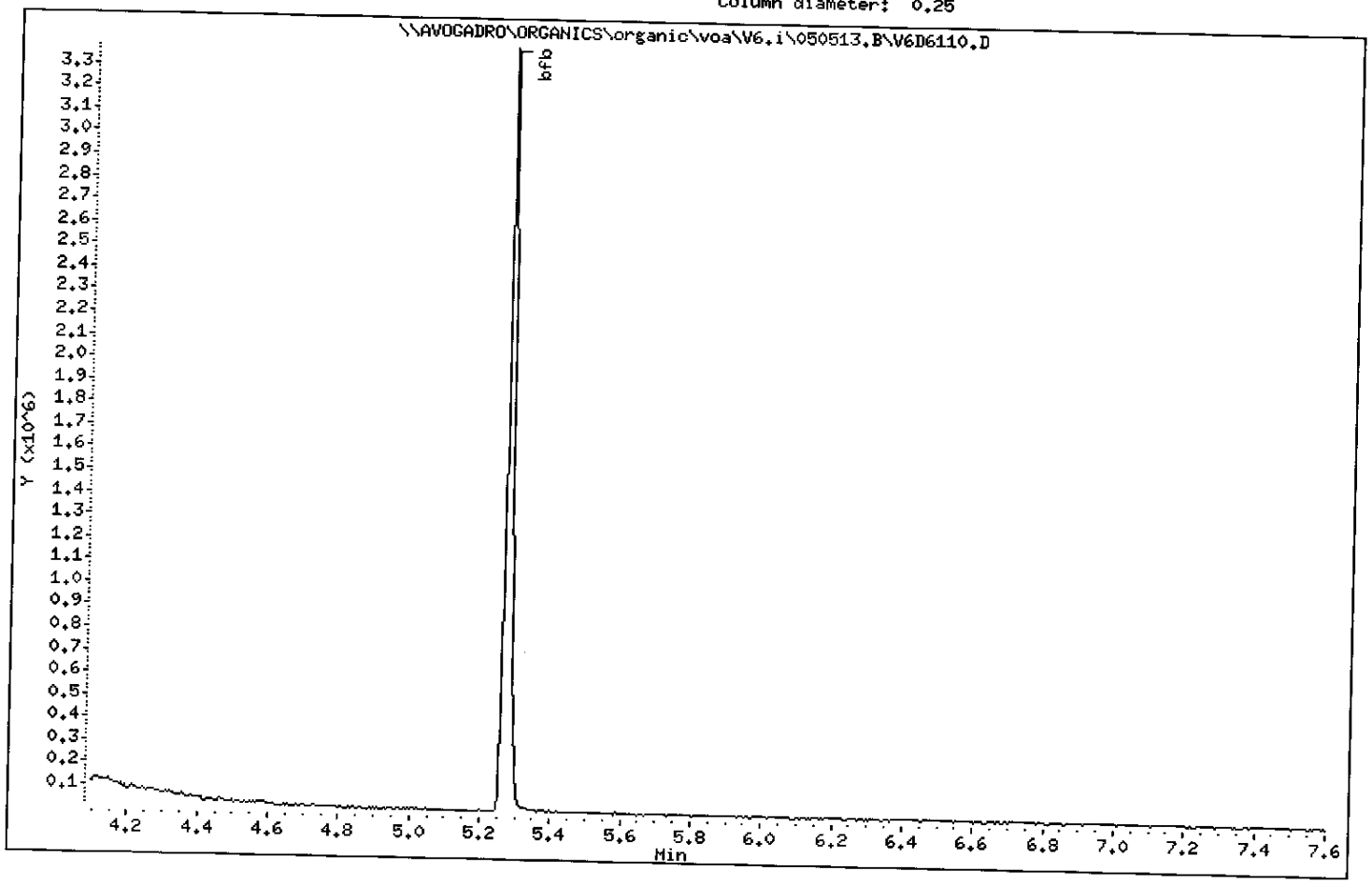
Instrument: V6.i

Sample Info: ,BFB6C,BFB6C

Operator: SB

Column phase: DB-624

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6140.D

Date : 16-MAY-2005 09:12

Client ID: BFB6D

Instrument: v6.i

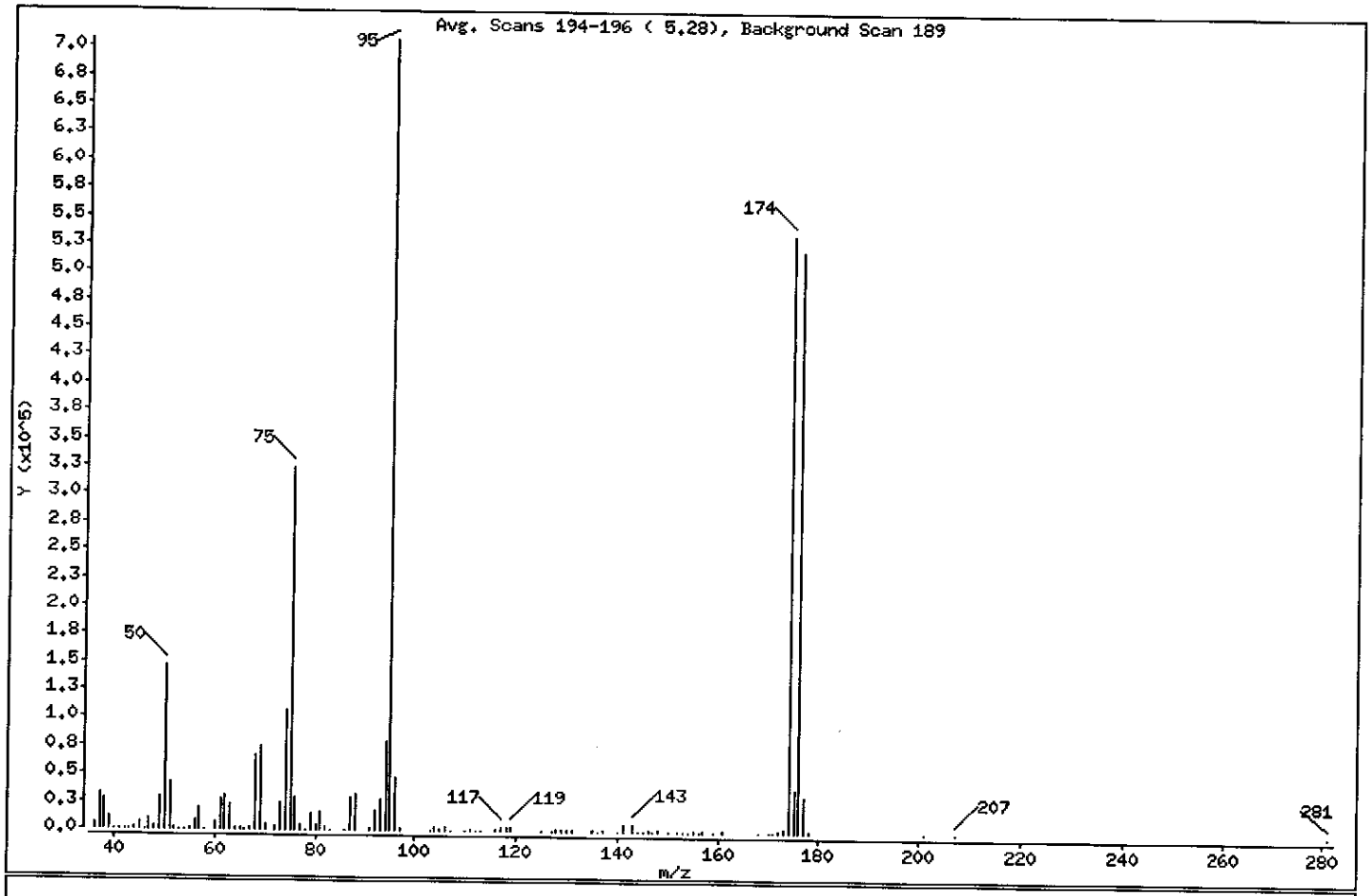
Sample Info: ,BFB6D,BFB6D

Operator: SB

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	20.64
75	30.00 - 66.00% of mass 95	45.67
96	5.00 - 9.00% of mass 95	6.72
173	Less than 2.00% of mass 174	0.51 (0.67)
174	50.00 - 120.00% of mass 95	75.65
175	4.00 - 9.00% of mass 174	5.57 (7.37)
176	93.00 - 101.00% of mass 174	73.61 (97.31)
177	5.00 - 9.00% of mass 176	4.55 (6.18)

Data File: V6D6140.D
Spectrum: Avg. Scans 194-196 (5.28), Background Scan 189
Location of Maximum: 95.00
Number of points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5549	65.00	1746	103.00	197	147.00	392
37.00	32408	66.00	394	104.00	2652	148.00	1663
38.00	26920	67.00	1947	105.00	927	150.00	540
39.00	11344	68.00	67104	106.00	2649	152.00	557
40.00	445	69.00	74040	107.00	499	153.00	261
41.00	38	70.00	5301	110.00	213	154.00	489
42.00	170	72.00	2637	111.00	1065	155.00	1236
43.00	741	73.00	25064	112.00	327	156.00	360
44.00	1998	74.00	107208	113.00	337	157.00	919
45.00	7310	75.00	322880	116.00	2130	159.00	203
46.00	200	76.00	28824	117.00	3839	161.00	881
47.00	10417	77.00	4545	118.00	2953	168.00	355
48.00	3942	78.00	445	119.00	3575	170.00	185
49.00	28856	79.00	15377	125.00	229	171.00	225
50.00	145920	80.00	5000	127.00	328	172.00	1975
51.00	42600	81.00	15530	128.00	2310	173.00	3579
52.00	2263	82.00	2527	129.00	1049	174.00	534784
53.00	456	83.00	673	130.00	2226	175.00	39400
54.00	286	86.00	704	131.00	1133	176.00	520384
55.00	1546	87.00	29552	135.00	971	177.00	32144
56.00	8425	88.00	32224	136.00	337	178.00	1623
57.00	19832	91.00	2119	137.00	1029	201.00	186
58.00	480	92.00	18136	140.00	185	207.00	340
60.00	5829	93.00	28024	141.00	6305	281.00	446
61.00	27672	94.00	79600	143.00	6772		
62.00	31584	95.00	706944	144.00	488		
63.00	23472	96.00	47528	145.00	613		
64.00	1621	97.00	1195	146.00	1286		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6140.D

Date : 16-MAY-2005 09:12

Client ID: BFB6D

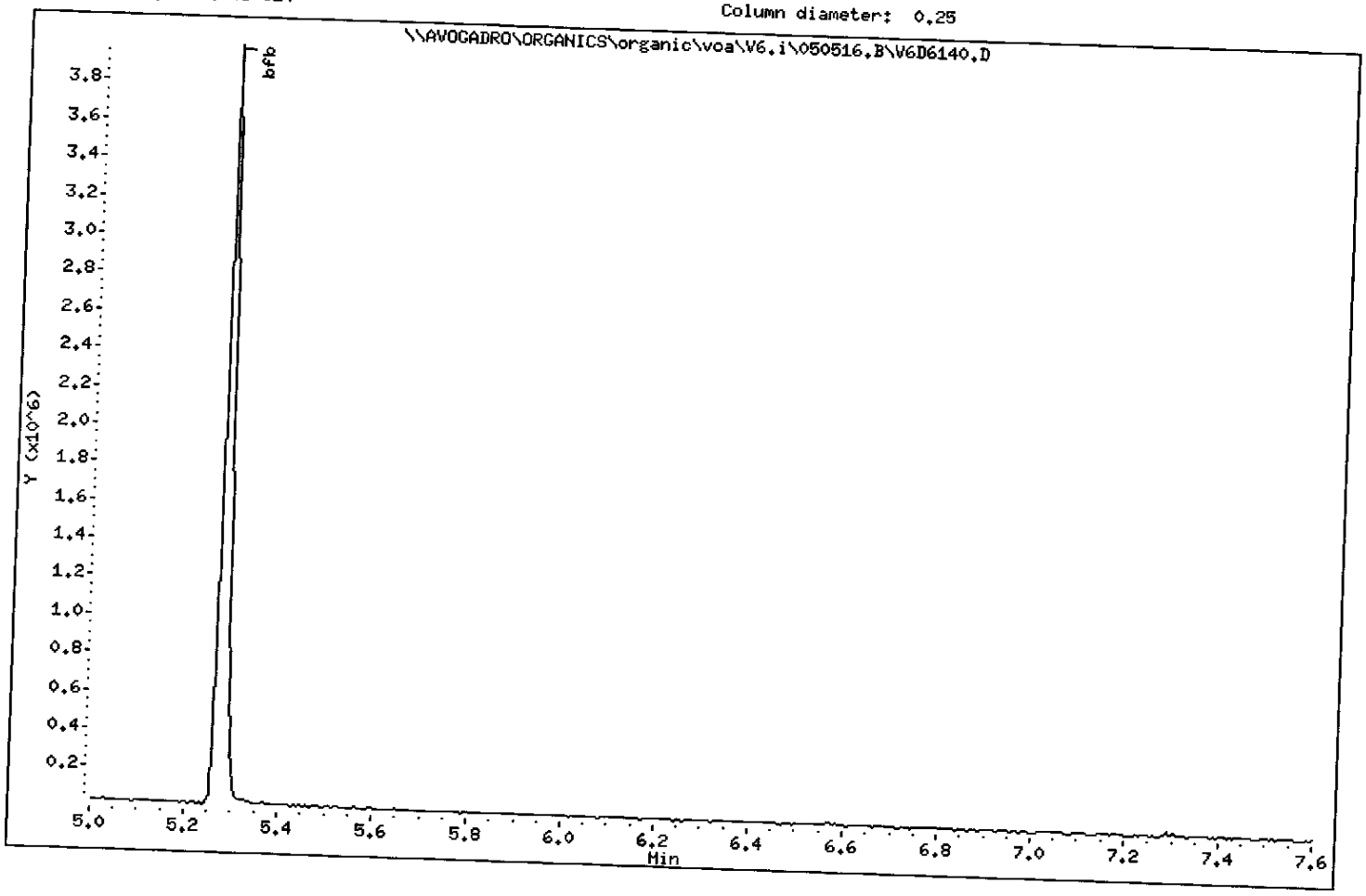
Instrument: v6.i

Sample Info: ,BFB6D,BFB6D

Operator: SB

Column phase: DB-624

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6170.D

Date : 17-MAY-2005 09:46

Client ID:

Instrument: v6.i

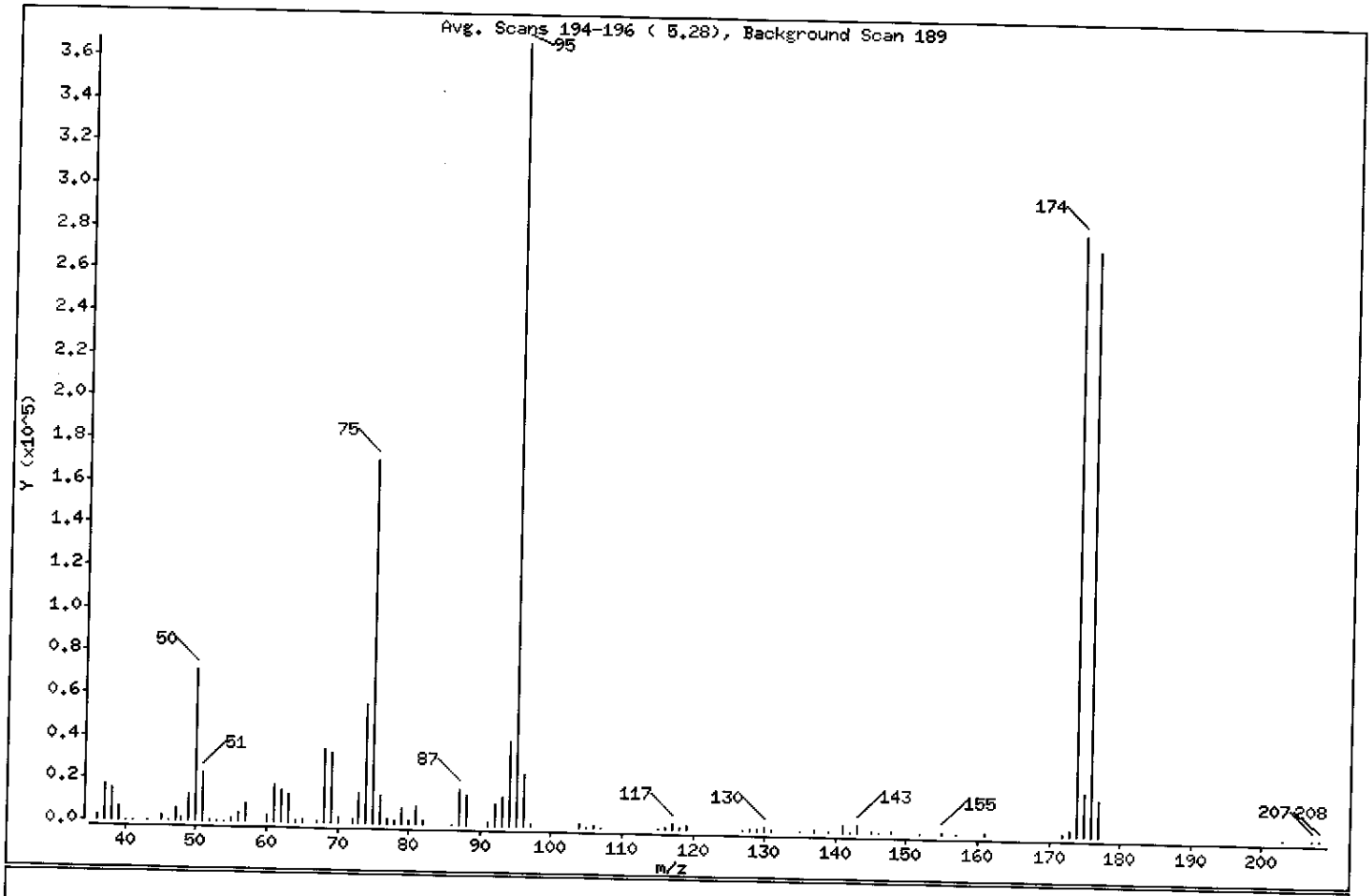
Sample Info: ,BFB6F,BFB6F

Operator: SB

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.33
75	30.00 - 66.00% of mass 95	46.35
96	5.00 - 9.00% of mass 95	6.75
173	Less than 2.00% of mass 174	0.62 (0.80)
174	50.00 - 120.00% of mass 95	76.88
175	4.00 - 9.00% of mass 174	5.62 (7.32)
176	93.00 - 101.00% of mass 174	74.76 (97.24)
177	5.00 - 9.00% of mass 176	4.66 (6.24)

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6170.D

Date : 17-MAY-2005 09:46

Client ID:

Instrument: v6.i

Sample Info: ,BFB6F,BFB6F

Operator: SB

Column phase: DB-624

Column diameter: 0.25

Data File: V6D6170.D

Spectrum: Avg. Scans 194-196 (5.28), Background Scan 189

Location of Maximum: 95.00

Number of points: 87

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2463	62.00	15455	91.00	1554	137.00	498
37.00	16784	63.00	13333	92.00	10412	139.00	171
38.00	14933	64.00	1230	93.00	13866	141.00	3577
39.00	6488	65.00	1460	94.00	39424	142.00	382
40.00	26	67.00	614	95.00	367680	143.00	3685
41.00	175	68.00	34536	96.00	24832	145.00	917
43.00	229	69.00	33304	97.00	870	146.00	212
45.00	2682	70.00	2489	104.00	1358	148.00	943
46.00	276	72.00	1633	105.00	313	152.00	172
47.00	6032	73.00	14758	106.00	1127	155.00	1149
48.00	1492	74.00	55592	107.00	263	157.00	282
49.00	12539	75.00	170432	115.00	406	161.00	513
50.00	71056	76.00	13356	116.00	880	172.00	986
51.00	23088	77.00	2127	117.00	2375	173.00	2263
52.00	1109	78.00	1465	118.00	783	174.00	282688
53.00	247	79.00	7605	119.00	1737	175.00	20680
54.00	200	80.00	1892	127.00	254	176.00	274880
55.00	1269	81.00	8312	128.00	1120	177.00	17152
56.00	4578	82.00	1391	129.00	742	203.00	169
57.00	8301	86.00	406	130.00	1835	207.00	230
60.00	3098	87.00	16568	131.00	520	208.00	277
61.00	17504	88.00	14618	135.00	256		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6170.D

Date : 17-MAY-2005 09:46

Client ID:

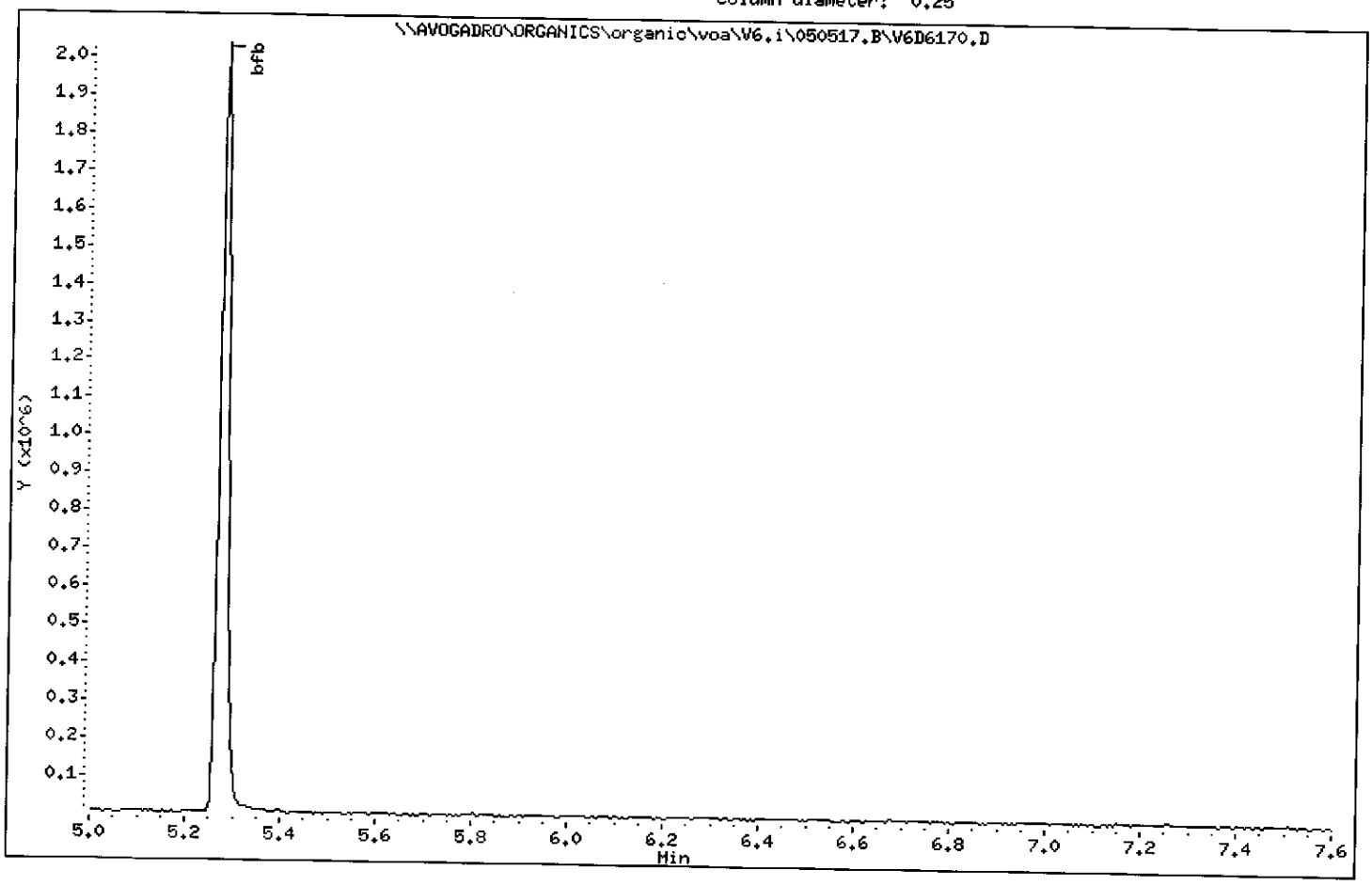
Instrument: v6.i

Sample Info: ,BFB6F,BFB6F

Operator: SB

Column phase: DB-624

Column diameter: 0.25



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9942

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9942

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK5L

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9942

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

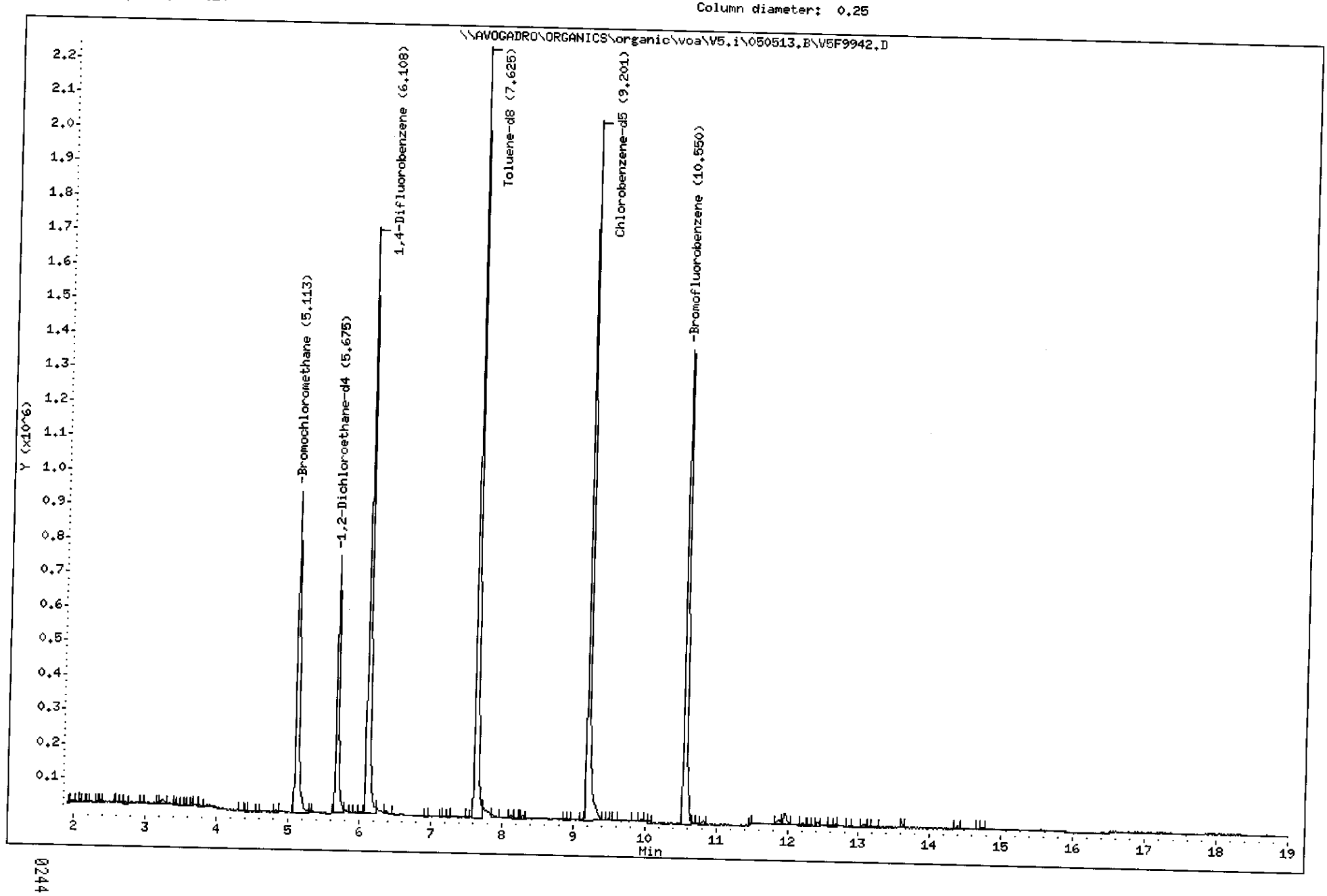
Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9942.D
Date : 13-MAY-2005 10:59
Client ID: VBLK5L
Sample Info: ,MB-18114,VBLK5L,18114

Instrument: v5.i

Operator: JC
Column phase: DB-624
Column diameter: 0.25



0244

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9942.D
Report Date: 25-May-2005 10:48

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9942.D
Lab Smp Id: MB-18114 Client Smp ID: VBLK5L
Inj Date : 13-MAY-2005 10:59
Operator : JC Inst ID: v5.i
Smp Info : ,MB-18114,VBLK5L,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 25-May-2005 10:43 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D ✓
Als bottle: 2 QC Sample: BLANK ✓
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
* 18 Bromochloromethane	128	5.113	5.112	(1.000)	328905	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.675	5.674	(1.110)	702290	51.8683	52
* 26 1,4-Difluorobenzene	114	6.108	6.107	(1.000)	1640816	50.0000	
$ 33 Toluene-d8	98	7.625	7.624	(0.829)	1801929	51.0202	51
* 42 Chlorobenzene-d5	117	9.201	9.200	(1.000)	1457585	50.0000	
$ 50 Bromofluorobenzene	95	10.550	10.549	(1.147)	690577	47.7663	48

SB 5/25/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9942.D
Report Date: 25-May-2005 10:48

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9942.D
Lab Smp Id: MB-18114 Client Smp ID: VBLK5L
Inj Date : 13-MAY-2005 10:59
Operator : JC Inst ID: v5.i
Smp Info : ,MB-18114,VBLK5L,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 25-May-2005 10:43 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18113

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6113

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18113

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6113

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK6C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18113

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6113

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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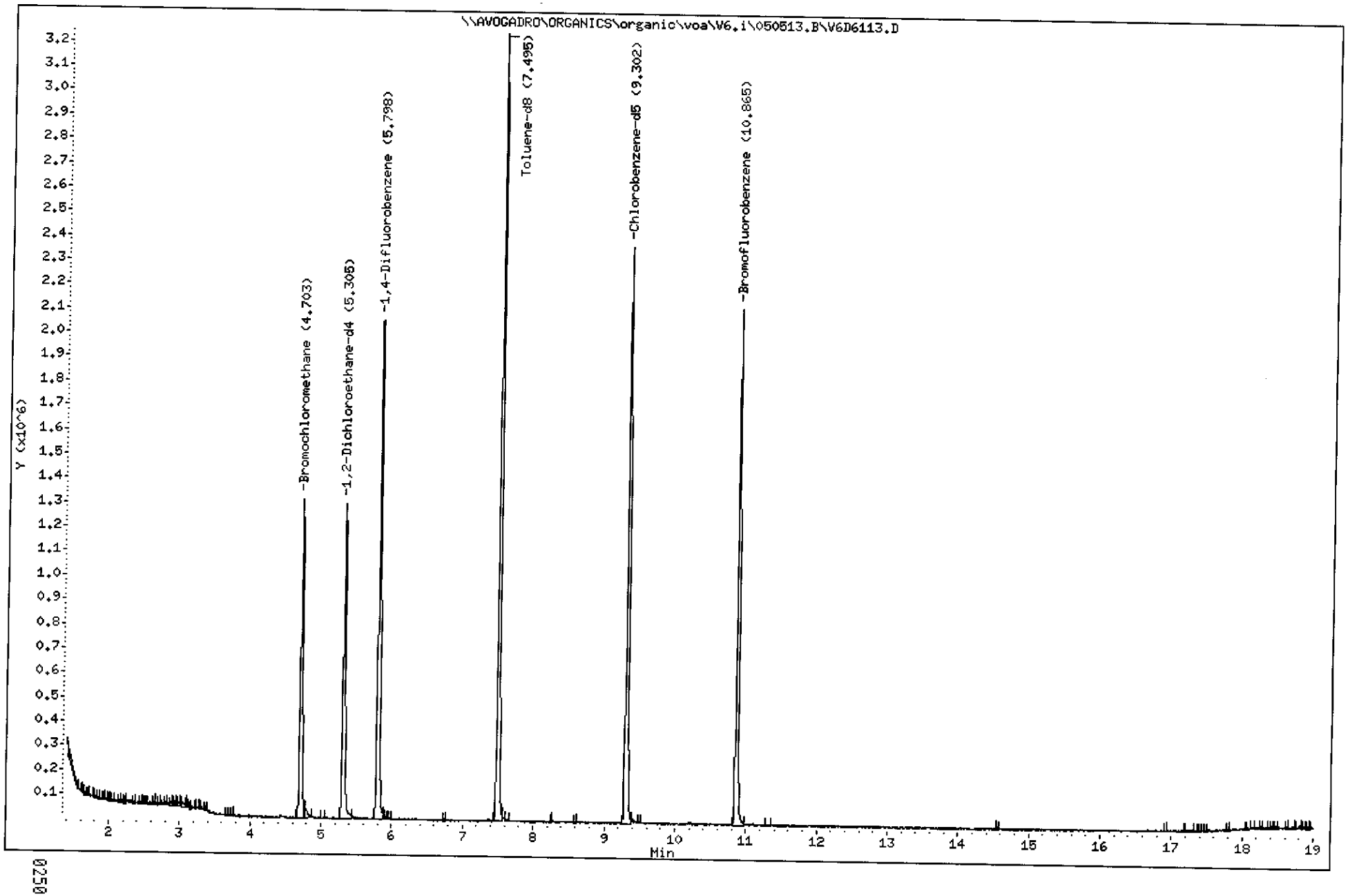
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6113.D
Date : 13-MAY-2005 11:41
Client ID: VBLK6C
Sample Info: ,MB-18113,VBLK6C
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25



0250

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6113.D
Report Date: 25-May-2005 12:01

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6113.D
Lab Smp Id: MB-18113 Client Smp ID: VBLK6C
Inj Date : 13-MAY-2005 11:41
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18113,VBLK6C
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\v6clp4s.m
Meth Date : 25-May-2005 11:58 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:47 Cal File: V6D6112.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	4.703	4.702	(1.000)	361873	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.305	5.304	(1.128)	1028242	51.2415	51
* 26 1,4-Difluorobenzene	114	5.798	5.797	(1.000)	1792107	50.0000	
$ 33 Toluene-d8	98	7.495	7.494	(0.806)	2453060	53.3072	53
* 42 Chlorobenzene-d5	117	9.302	9.307	(1.000)	1624719	50.0000	
$ 50 Bromofluorobenzene	95	10.865	10.858	(1.168)	852386	49.0113	49

SB 5/25/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6113.D
Report Date: 25-May-2005 12:01

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6113.D
Lab Smp Id: MB-18113 Client Smp ID: VBLK6C
Inj Date : 13-MAY-2005 11:41
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18113,VBLK6C
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\v6clp4s.m
Meth Date : 25-May-2005 11:58 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:47 Cal File: V6D6112.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6E

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18128

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6148

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-35-4	1,1-Dichloroethene	1300	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300	U
156-60-5	trans-1,2-Dichloroethene	1300	U
1634-04-4	Methyl tert-Butyl Ether	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone	1300	U
67-66-3	Chloroform	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
110-82-7	Cyclohexane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
71-43-2	Benzene	1300	U
107-06-2	1,2-Dichloroethane	1300	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6E

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18128

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6148

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	1300	U
108-87-2	Methylcyclohexane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
108-88-3	Toluene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	1300	U
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
106-93-4	1,2-Dibromoethane	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
1330-20-7	Xylene (Total)	1300	U
100-42-5	Styrene	1300	U
75-25-2	Bromoform	1300	U
98-82-8	Isopropylbenzene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
96-12-8	1,2-Dibromo-3-chloropropane	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK6E

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18128

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6148

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
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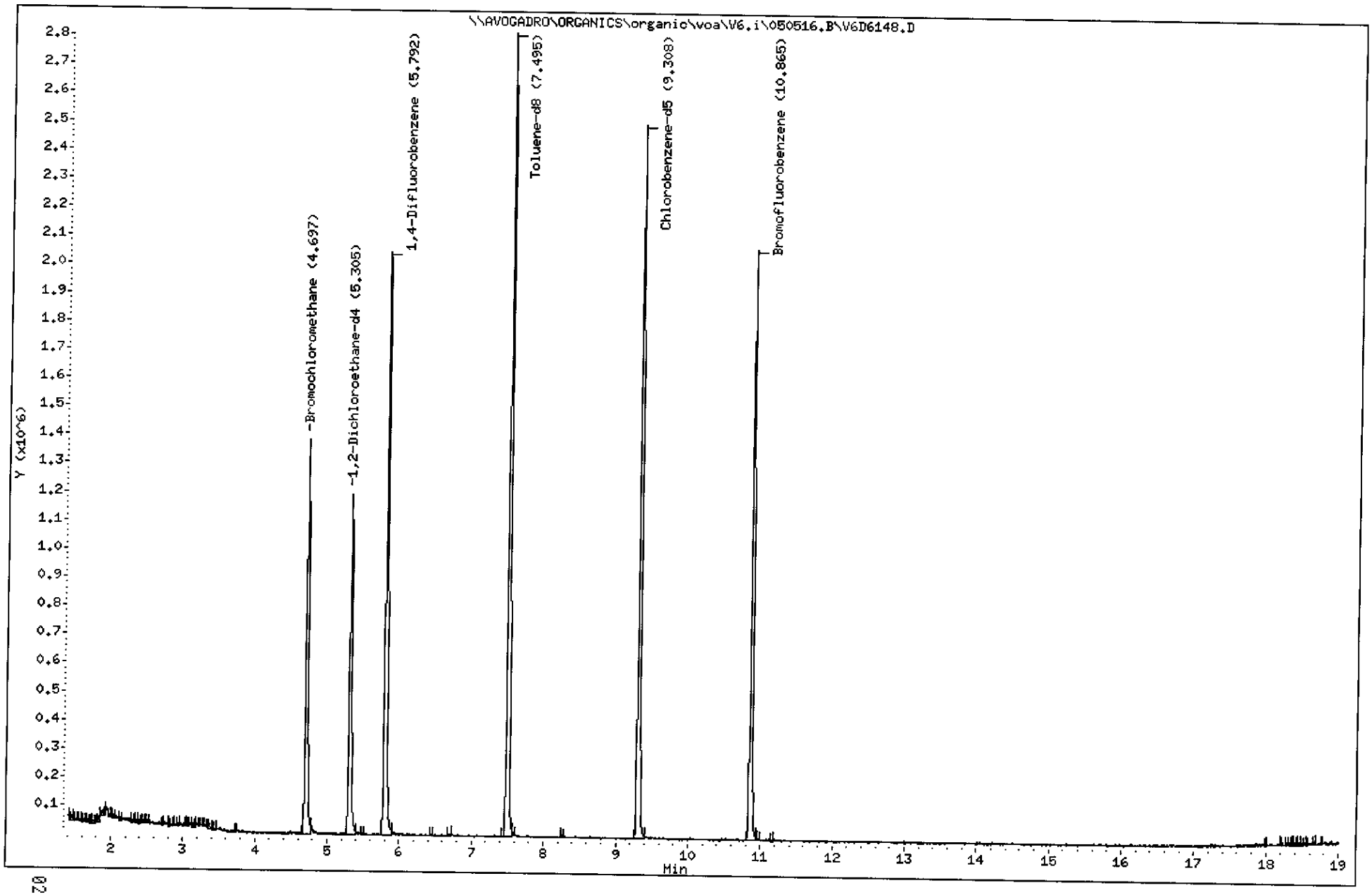
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6148.D
Date : 16-MAY-2005 14:56
Client ID: VBLK6E
Sample Info: ,MB-18128,VBLK6E

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25

Column phase: DB-624



0256

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6148.D
Report Date: 25-May-2005 11:37

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6148.D
Lab Smp Id: MB-18128 Client Smp ID: VBLK6E
Inj Date : 16-MAY-2005 14:56
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18128,VBLK6E
Misc Info : ,1,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\v6clp4s.m
Meth Date : 25-May-2005 11:36 mtl Quant Type: ISTD
Cal Date : 16-MAY-2005 10:18 Cal File: V6D6141.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula:
Amt * DF * Uf * ((Vt+Ws*M/100)* 5)/(Va * Ws * ((100-M)/100))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	4.000	Weight of sample extracted (g)
M	0.000	% Moisture (not decanted)
Vt	10000.000	Methanol extract volume (uL)
Va	100.000	Aliquot of methanol (uL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
* 18 Bromochloromethane	128	4.697	4.700	(1.000)	372701	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.305	5.302	(1.130)	941905	43.6411	5500
* 26 1,4-Difluorobenzene	114	5.798	5.795	(1.000)	1797753	50.0000	
$ 33 Toluene-d8	98	7.495	7.492	(0.805)	2094921	45.9820	5700
* 42 Chlorobenzene-d5	117	9.308	9.305	(1.000)	1674592	50.0000	
$ 50 Bromofluorobenzene	95	10.865	10.863	(1.167)	818025	45.1673	5600

SB 5/25/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6148.D
Report Date: 25-May-2005 11:37

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6148.D
Lab Smp Id: MB-18128 Client Smp ID: VBLK6E
Inj Date : 16-MAY-2005 14:56
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18128,VBLK6E
Misc Info : ,1,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\v6clp4s.m
Meth Date : 25-May-2005 11:36 mtl Quant Type: ISTD
Cal Date : 16-MAY-2005 10:18 Cal File: V6D6141.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18151

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6172

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18151

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6172

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK6F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18151

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6172

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
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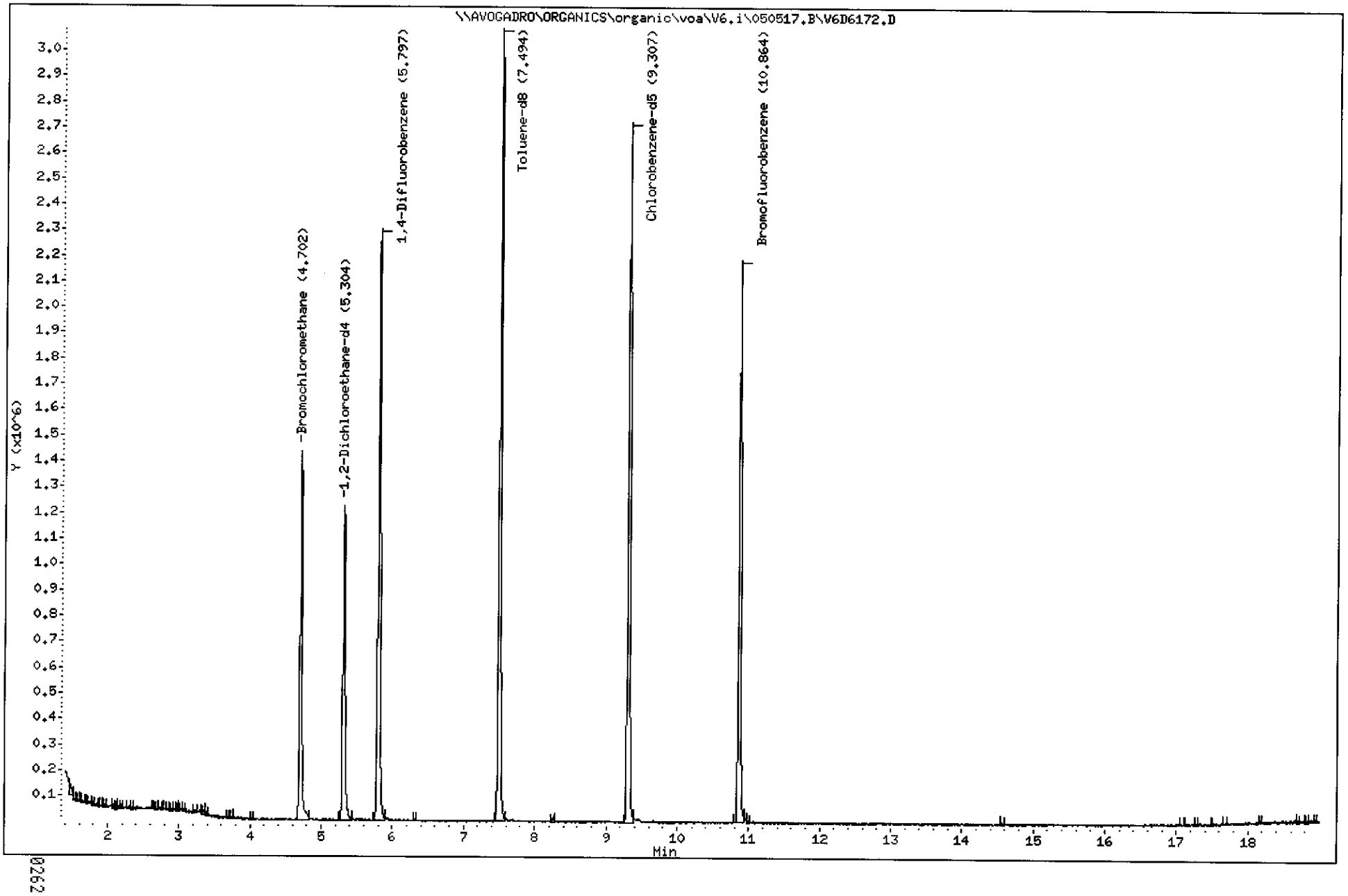
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6172.D
Date : 17-MAY-2005 10:55
Client ID: VBLK6F
Sample Info: ,MB-18151,VBLK6F
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25



0262

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6172.D
Report Date: 25-May-2005 12:06

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6172.D
Lab Smp Id: MB-18151 Client Smp ID: VBLK6F
Inj Date : 17-MAY-2005 10:55
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18151,VBLK6F
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\v6clp4s.m
Meth Date : 25-May-2005 12:05 mtl Quant Type: ISTD
Cal Date : 17-MAY-2005 10:10 Cal File: V6D6171.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	4.702	4.703	(1.000)	392115	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.304	5.311	(1.128)	976742	44.1826	44
* 26 1,4-Difluorobenzene	114	5.797	5.798	(1.000)	1989492	50.0000	
$ 33 Toluene-d8	98	7.494	7.495	(0.805)	2342205	45.8262	46
* 42 Chlorobenzene-d5	117	9.307	9.308	(1.000)	1826842	50.0000	
$ 50 Bromofluorobenzene	95	10.864	10.859	(1.167)	906620	44.0538	44

SB
5/25/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6172.D
Report Date: 25-May-2005 12:06

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6172.D
Lab Smp Id: MB-18151 Client Smp ID: VBLK6F
Inj Date : 17-MAY-2005 10:55
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18151,VBLK6F
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\v6clp4s.m
Meth Date : 25-May-2005 12:05 mtl Quant Type: ISTD
Cal Date : 17-MAY-2005 10:10 Cal File: V6D6171.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6G

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18152

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6173

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-35-4	1,1-Dichloroethene	1300	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300	U
156-60-5	trans-1,2-Dichloroethene	1300	U
1634-04-4	Methyl tert-Butyl Ether	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone	1300	U
67-66-3	Chloroform	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
110-82-7	Cyclohexane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
71-43-2	Benzene	1300	U
107-06-2	1,2-Dichloroethane	1300	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6G

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18152

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6173

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	1300	U
108-87-2	Methylcyclohexane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
108-88-3	Toluene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	1300	U
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
106-93-4	1,2-Dibromoethane	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
1330-20-7	Xylene (Total)	1300	U
100-42-5	Styrene	1300	U
75-25-2	Bromoform	1300	U
98-82-8	Isopropylbenzene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
96-12-8	1,2-Dibromo-3-chloropropane	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK6G

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18152

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6173

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

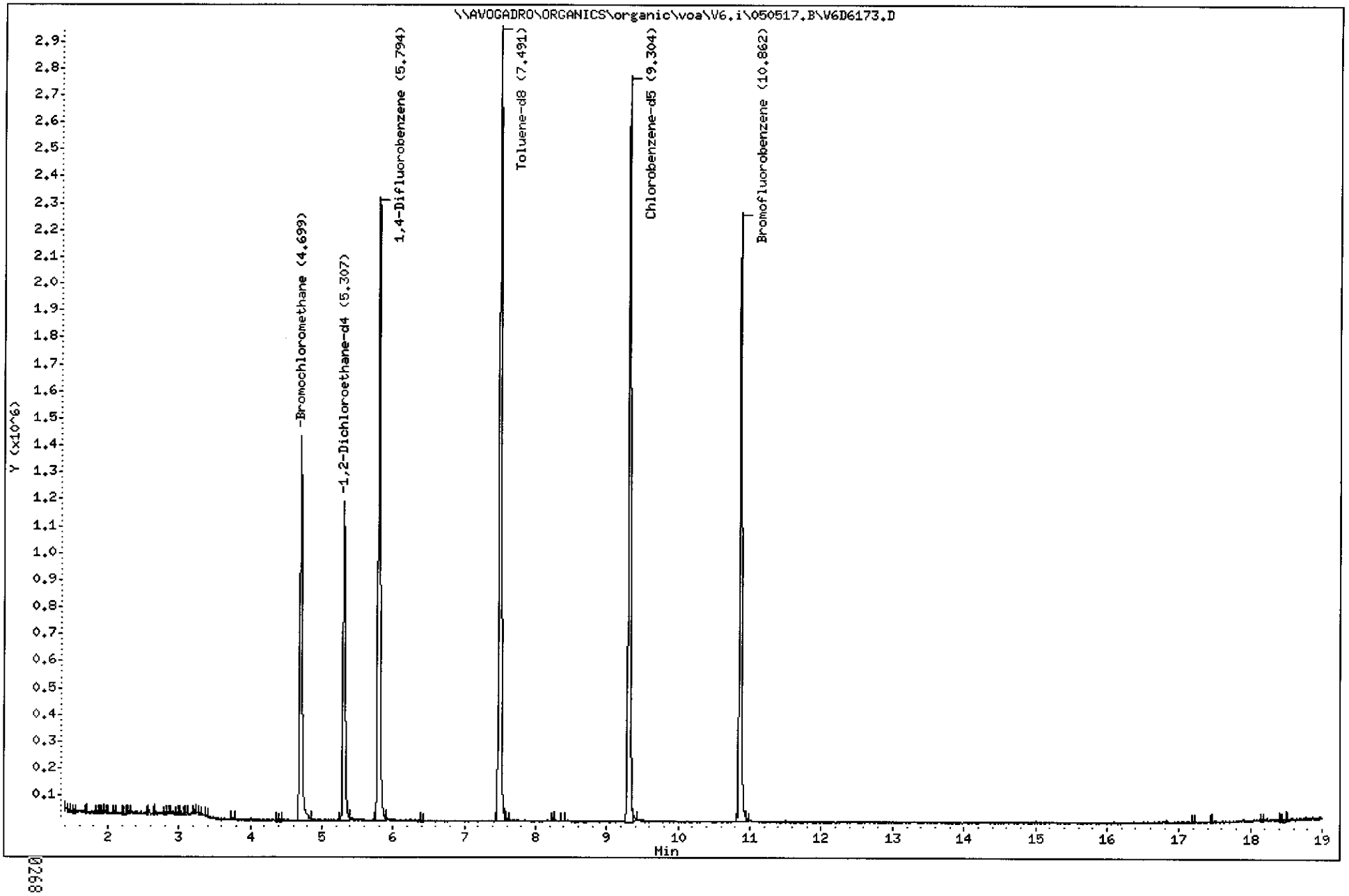
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6173.D
Date : 17-MAY-2005 11:21
Client ID: VBLK6G
Sample Info: ,MB-18152,VBLK6G

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25

Column phase: DB-624



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6173.D
Report Date: 25-May-2005 12:07

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6173.D
Lab Smp Id: MB-18152 Client Smp ID: VBLK6G
Inj Date : 17-MAY-2005 11:21
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18152,VBLK6G
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\v6clp4s.m
Meth Date : 25-May-2005 12:05 mtl Quant Type: ISTD
Cal Date : 17-MAY-2005 10:10 Cal File: V6D6171.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula:
Amt * DF * Uf * ((Vt+Ws*M/100)* 5)/(Va * Ws * ((100-M)/100)))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	4.000	Weight of sample extracted (g)
M	0.000	% Moisture (not decanted)
Vt	10000.000	Methanol extract volume (uL)
Va	100.000	Aliquot of methanol (uL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
* 18 Bromochloromethane	128	4.705	4.703	(1.000)	402849	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.308	5.311	(1.128)	976412	42.9908	5400
* 26 1,4-Difluorobenzene	114	5.794	5.798	(1.000)	2027826	50.0000	
$ 33 Toluene-d8	98	7.491	7.495	(0.805)	2255614	43.6294	5500
* 42 Chlorobenzene-d5	117	9.304	9.308	(1.000)	1847884	50.0000	
$ 50 Bromofluorobenzene	95	10.862	10.859	(1.167)	872106	41.8942	5200

SB 5/25/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6173.D
Report Date: 25-May-2005 12:07

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file :	\\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6173.D		
Lab Smp Id:	MB-18152	Client Smp ID:	VBLK6G
Inj Date :	17-MAY-2005 11:21		
Operator :	SB SRC: SB	Inst ID:	V6.i
Smp Info :	,MB-18152,VBLK6G		
Misc Info :	,1,3		
Comment :			
Method :	\\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\v6clp4s.m		
Meth Date :	25-May-2005 12:05 mtl	Quant Type:	ISTD
Cal Date :	17-MAY-2005 10:10	Cal File:	V6D6171.D
Als bottle:	3	QC Sample:	BLANK
Dil Factor:	1.00000		
Integrator:	HP RTE	Compound Sublist:	CLP4.sub
Target Version:	4.03		
Processing Host:	TARGET3		

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK6F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6F

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6177

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK6F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6F

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6177

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK6F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6F

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6177

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. _____ Date Analyzed: 05/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
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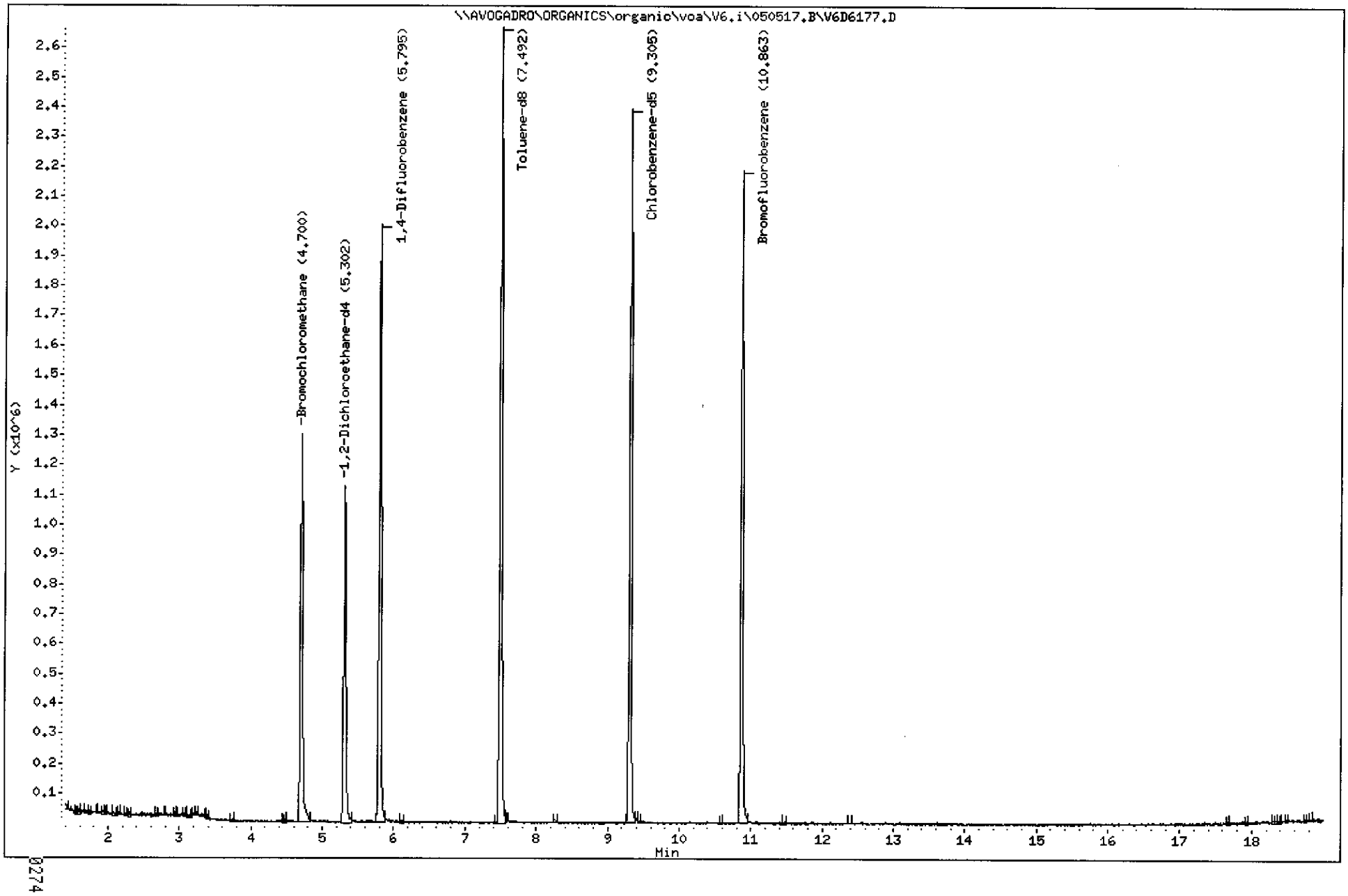
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6177.D
Date : 17-MAY-2005 14:43
Client ID: VHBLK6F
Instrument: V6.i
Sample Info: ,VHBLK6F,VHBLK6F
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0274

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6177.D
Report Date: 25-May-2005 12:07

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6177.D
Lab Smp Id: VHBLK6F Client Smp ID: VHBLK6F
Inj Date : 17-MAY-2005 14:43
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VHBLK6F,VHBLK6F
Misc Info : ,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\v6clp4s.m
Meth Date : 25-May-2005 12:05 mtl Quant Type: ISTD
Cal Date : 17-MAY-2005 10:10 Cal File: V6D6171.D
Als bottle: 7 QC Sample: STORAGEBLANK ✓
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	4.700	4.703	(1.000)	349512	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.302	5.311	(1.128)	909769	46.1694	46
* 26 1,4-Difluorobenzene	114	5.795	5.798	(1.000)	1720241	50.0000	
$ 33 Toluene-d8	98	7.492	7.495	(0.805)	1998492	44.3528	44
* 42 Chlorobenzene-d5	117	9.305	9.308	(1.000)	1610539	50.0000	
$ 50 Bromofluorobenzene	95	10.863	10.859	(1.167)	843503	46.4916	46

SB 5/25/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6177.D
Report Date: 25-May-2005 12:07

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\V6D6177.D
Lab Smp Id: VHBLK6F Client Smp ID: VHBLK6F
Inj Date : 17-MAY-2005 14:43
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VHBLK6F,VHBLK6F
Misc Info : ,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050517.B\v6clp4s.m
Meth Date : 25-May-2005 12:05 mtl Quant Type: ISTD
Cal Date : 17-MAY-2005 10:10 Cal File: V6D6171.D
Als bottle: 7 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5LLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18114

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9943

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	56	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	57	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5LLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18114

Sample wt/vol: 5.0(g/mL) G Lab File ID: V5F9943

Level: (low/med) LOW Date Received: _____

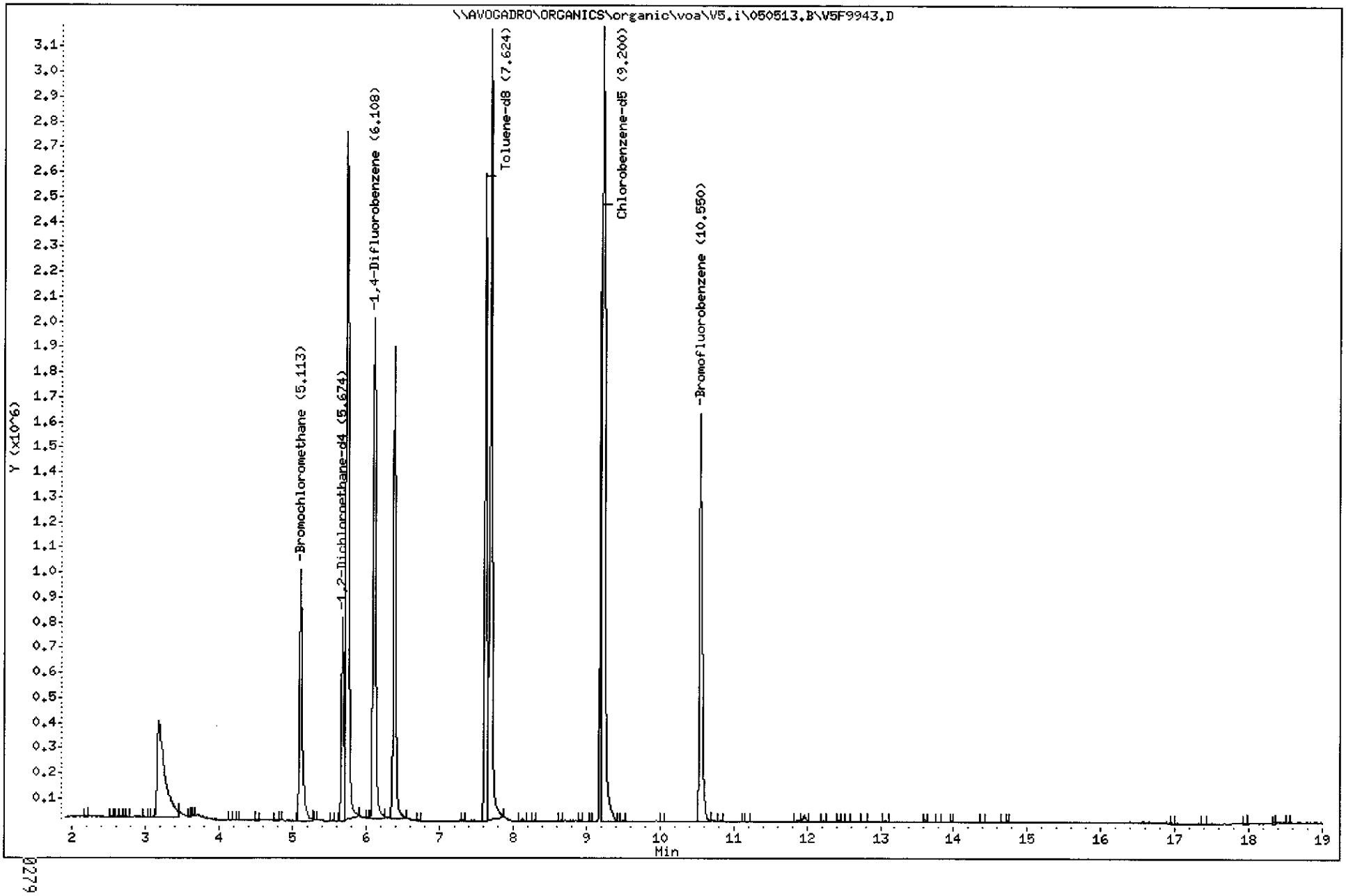
% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	56	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	56	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	58	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9943.D
Date : 13-MAY-2005 11:36
Client ID: V5LLCS
Instrument: v5.i
Sample Info: ,LCS-18114,V5LLCS,18114
Operator: JC
Column phase: DB-624
Column diameter: 0.25



0279

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9943.D
Report Date: 25-May-2005 10:48

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9943.D
Lab Smp Id: LCS-18114 Client Smp ID: V5LLCS
Inj Date : 13-MAY-2005 11:36
Operator : JC Inst ID: v5.i
Smp Info : ,LCS-18114,V5LLCS,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 25-May-2005 10:43 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D
Als bottle: 3 QC Sample: LCS ✓
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7	1,1-Dichloroethene	96	3.182	3.182	(0.622)	512277	55.8502	56
*	18	Bromochloromethane	128	5.113	5.112	(1.000)	365739	50.0000	
$	23	1,2-Dichloroethane-d4	65	5.674	5.674	(1.110)	719850	47.8109	48
	25	Benzene	78	5.733	5.733	(0.939)	2992569	56.5612	57
*	26	1,4-Difluorobenzene	114	6.108	6.107	(1.000)	1912671	50.0000	
	27	Trichloroethene	130	6.373	6.373	(1.044)	803380	56.2554	56
$	33	Toluene-d8	98	7.624	7.624	(0.829)	2029072	49.8627	50
	34	Toluene	91	7.693	7.693	(0.836)	2764206	56.3415	56
*	42	Chlorobenzene-d5	117	9.200	9.200	(1.000)	1679425	50.0000	
	43	Chlorobenzene	112	9.230	9.229	(1.003)	1881348	57.5224	58
$	50	Bromofluorobenzene	95	10.550	10.549	(1.147)	787899	47.2992	47

SB 5/25/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6CLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: LCS-18113

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6115

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	55	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	60	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6CLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: LCS-18113

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6115

Level: (low/med) LOW Date Received: _____

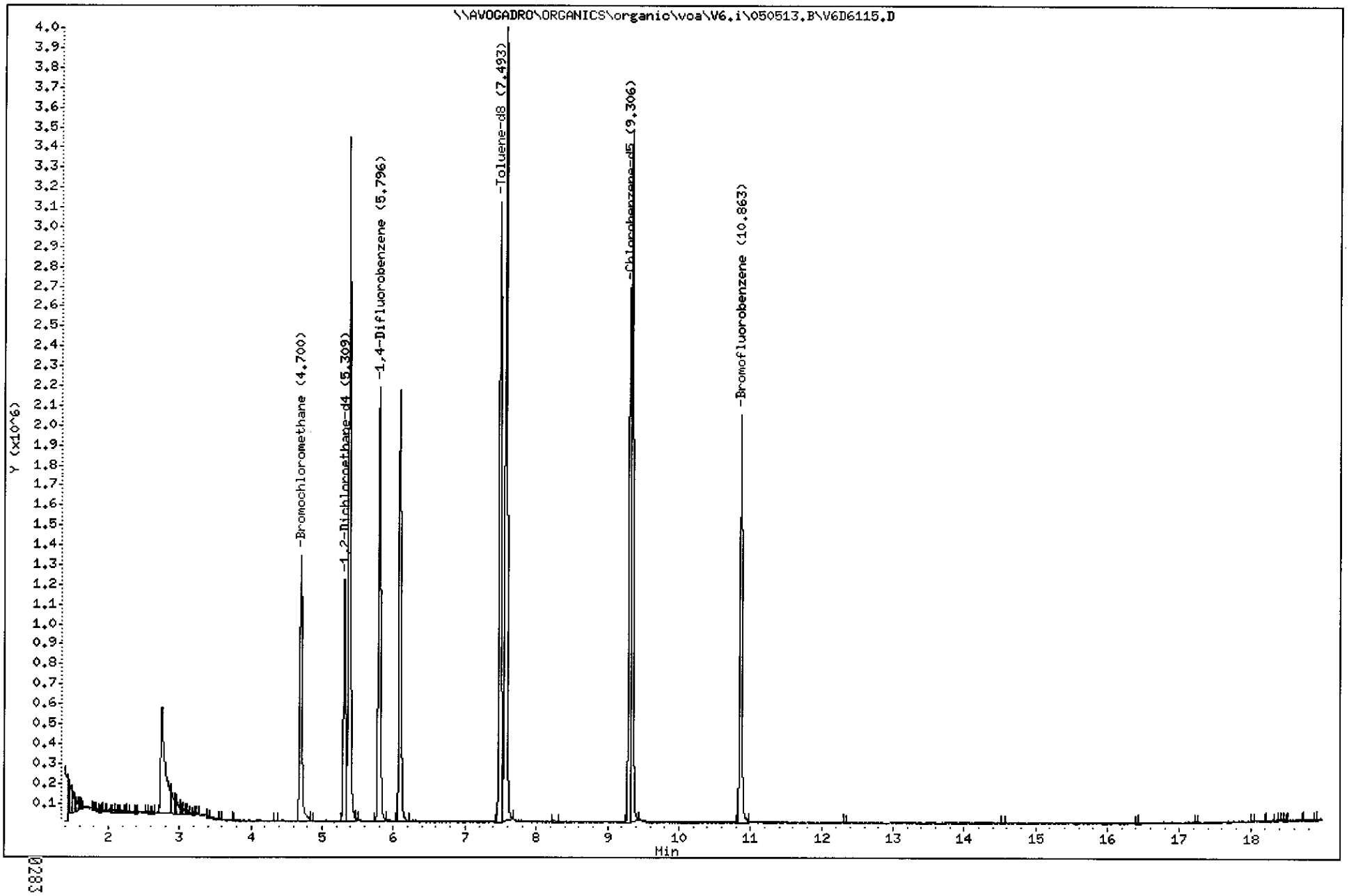
% Moisture: not dec. _____ Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	52	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	62	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	63	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6115.D
Date : 13-MAY-2005 13:42
Client ID: V6CLCS
Instrument: V6.i
Sample Info: ,LCS-18113,V6CLCS
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0283

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6115.D
Report Date: 25-May-2005 12:01

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\V6D6115.D
Lab Smp Id: LCS-18113 Client Smp ID: V6CLCS
Inj Date : 13-MAY-2005 13:42
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,LCS-18113,V6CLCS
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050513.B\v6clp4s.m
Meth Date : 25-May-2005 11:58 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:47 Cal File: V6D6112.D
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	7 1,1-Dichloroethene	96	2.754	2.755	(0.585)	508841	55.3113	55
*	18 Bromochloromethane	128	4.707	4.702	(1.000)	359222	50.0000	
$	23 1,2-Dichloroethane-d4	65	5.303	5.304	(1.127)	1002657	50.3354	50
	25 Benzene	78	5.376	5.377	(0.928)	3237842	60.4067	60
*	26 1,4-Difluorobenzene	114	5.795	5.797	(1.000)	1880181	50.0000	
	27 Trichloroethene	130	6.081	6.083	(1.049)	813120	52.3637	52
$	33 Toluene-d8	98	7.493	7.494	(0.805)	2335336	47.8500	48
	34 Toluene	91	7.572	7.573	(0.814)	3332962	61.7291	62
*	42 Chlorobenzene-d5	117	9.306	9.307	(1.000)	1723154	50.0000	
	43 Chlorobenzene	112	9.342	9.344	(1.004)	2242462	63.2316	63
$	50 Bromofluorobenzene	95	10.863	10.858	(1.167)	817360	44.3126	44

SB 5/25/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6ELCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18128

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6149

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-35-4	1,1-Dichloroethene	4800	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300	U
156-60-5	trans-1,2-Dichloroethene	1300	U
1634-04-4	Methyl tert-Butyl Ether	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone	1300	U
67-66-3	Chloroform	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
110-82-7	Cyclohexane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
71-43-2	Benzene	7000	
107-06-2	1,2-Dichloroethane	1300	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6ELCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18128

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6149

Level: (low/med) MED Date Received: _____

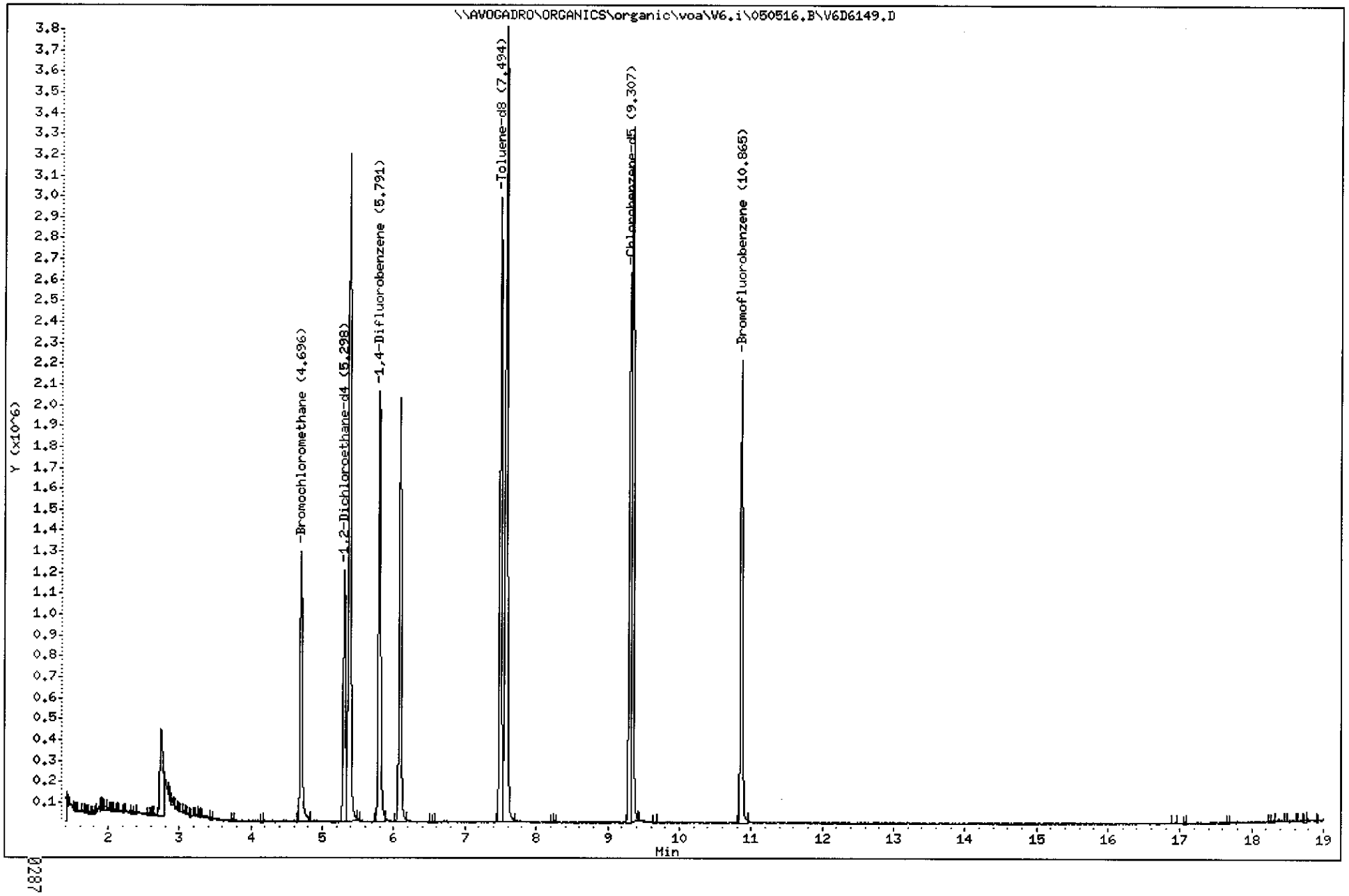
% Moisture: not dec. _____ Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	6300	
108-87-2	Methylcyclohexane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
108-88-3	Toluene	7100	
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	1300	U
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
106-93-4	1,2-Dibromoethane	1300	U
108-90-7	Chlorobenzene	7200	
100-41-4	Ethylbenzene	1300	U
1330-20-7	Xylene (Total)	1300	U
100-42-5	Styrene	1300	U
75-25-2	Bromoform	1300	U
98-82-8	Isopropylbenzene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
96-12-8	1,2-Dibromo-3-chloropropane	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6149.D
Date : 16-MAY-2005 15:31
Client ID: V6ELCS
Instrument: V6.i
Sample Info: ,LCS-18128,V6ELCS
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0287

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6149.D
Report Date: 25-May-2005 11:37

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6149.D
Lab Smp Id: LCS-18128 Client Smp ID: V6ELCS
Inj Date : 16-MAY-2005 15:31
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,LCS-18128,V6ELCS
Misc Info : ,1,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\v6clp4s.m
Meth Date : 25-May-2005 11:36 mtl Quant Type: ISTD
Cal Date : 16-MAY-2005 10:18 Cal File: V6D6141.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula:
Amt * DF * Uf * ((Vt+Ws*M/100)* 5)/(Va * Ws * ((100-M)/100)))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	4.000	Weight of sample extracted (g)
M	0.000	% Moisture (not decanted)
Vt	10000.000	Methanol extract volume (uL)
Va	100.000	Aliquot of methanol (uL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 1,1-Dichloroethene	96	2.743	2.760	(0.584)	395506	38.4738	4800
*	18 Bromochloromethane	128	4.696	4.700	(1.000)	359448	50.0000	
$	23 1,2-Dichloroethane-d4	65	5.298	5.302	(1.128)	988738	47.5001	5900
	25 Benzene	78	5.371	5.375	(0.927)	3050252	55.8829	7000
*	26 1,4-Difluorobenzene	114	5.791	5.795	(1.000)	1799759	50.0000	
	27 Trichloroethene	130	6.083	6.087	(1.050)	765217	50.0792	6300
$	33 Toluene-d8	98	7.494	7.492	(0.805)	2287214	49.7641	6200
	34 Toluene	91	7.573	7.572	(0.814)	3207441	56.7305	7100
*	42 Chlorobenzene-d5	117	9.307	9.305	(1.000)	1689352	50.0000	
	43 Chlorobenzene	112	9.344	9.342	(1.004)	2200054	57.4389	7200
$	50 Bromofluorobenzene	95	10.865	10.863	(1.167)	890381	48.7329	6100

SB
5/25/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CMS

Sample wt/vol: 5.2(g/mL) G Lab File ID: V5F9952

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	70	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	7	J
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	5	J
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	2	J
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	65	
107-06-2	1,2-Dichloroethane	12	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CMS

Sample wt/vol: 5.2(g/mL) G Lab File ID: V5F9952

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

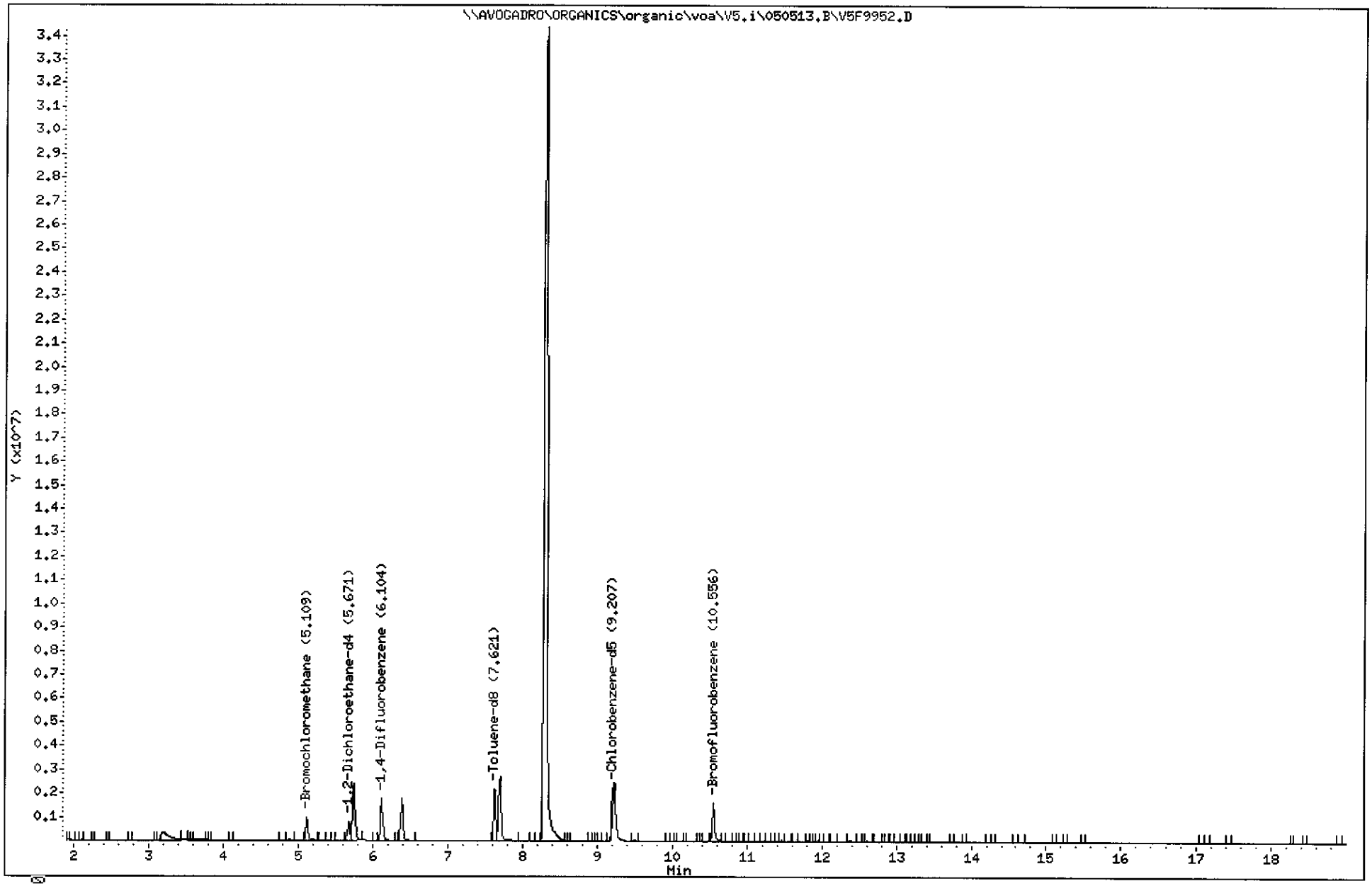
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	68	
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	62	
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	1400	E
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	60	
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (Total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9952.D
Date : 13-MAY-2005 16:19
Client ID: B-390MS
Sample Info: ,D0529-01CMS,,18114

Instrument: v5.i

Operator: JC SRC: LIMS
Column diameter: 0.25

Column phase: DB-624



0291

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9952.D
Report Date: 25-May-2005 12:11

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9952.D
Lab Smp Id: D0529-01CMS Client Smp ID: B-390MS
Inj Date : 13-MAY-2005 16:19
Operator : JC SRC: LIMS Inst ID: v5.i
Smp Info : ,D0529-01CMS,,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 25-May-2005 10:43 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D
Als bottle: 12 QC Sample: MS ✓
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub ✓
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.200 ✓	Weight of sample (g)
M	17.000	% Moisture (not decanted)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
7	1,1-Dichloroethene	96	3.189	3.182	(0.624)	514703	60.0668	70
9	Acetone	43	3.228	3.231	(0.632)	43183	5.63405	7(a)
12	Methylene Chloride	84	3.652	3.645	(0.715)	46338	4.06157	5(a)
17	cis-1,2-Dichloroethene	96	4.883	4.876	(0.956)	15985	1.32622	2(a)
* 18	Bromochloromethane	128	5.109	5.112	(1.000)	341675	50.0000	
$ 23	1,2-Dichloroethane-d4	65	5.671	5.674	(1.110)	671171	47.7173	55
25	Benzene	78	5.740	5.733	(0.940)	2670253	55.8585	65
* 26	1,4-Difluorobenzene	114	6.104	6.107	(1.000)	1728135	50.0000	
27	Trichloroethene	130	6.380	6.373	(1.045)	755416	58.5453	68
$ 33	Toluene-d8	98	7.621	7.624	(0.829)	1835084	50.2754	58
34	Toluene	91	7.700	7.693	(0.837)	2372041	53.9017	62
37	Tetrachloroethene	164	8.301	8.294	(0.903)	11666836	1198.32	1400(A)
* 42	Chlorobenzene-d5	117	9.197	9.200	(1.000)	1506395	50.0000	
43	Chlorobenzene	112	9.236	9.229	(1.004)	1521994	51.8803	60
$ 50	Bromofluorobenzene	95	10.556	10.549	(1.148)	739233	49.4750	57

SB
5/25/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9952.D
Report Date: 25-May-2005 12:11

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CMSD

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9953

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	12	U
74-87-3	Chloromethane	12	U
75-01-4	Vinyl Chloride	12	U
74-83-9	Bromomethane	12	U
75-00-3	Chloroethane	12	U
75-69-4	Trichlorofluoromethane	12	U
75-35-4	1,1-Dichloroethene	63	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
79-20-9	Methyl Acetate	12	U
75-09-2	Methylene Chloride	5	J
156-60-5	trans-1,2-Dichloroethene	12	U
1634-04-4	Methyl tert-Butyl Ether	12	U
75-34-3	1,1-Dichloroethane	12	U
156-59-2	cis-1,2-Dichloroethene	2	J
78-93-3	2-Butanone	12	U
67-66-3	Chloroform	12	U
71-55-6	1,1,1-Trichloroethane	12	U
110-82-7	Cyclohexane	12	U
56-23-5	Carbon Tetrachloride	12	U
71-43-2	Benzene	69	
107-06-2	1,2-Dichloroethane	12	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CMSD

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5F9953

Level: (low/med) LOW Date Received: 05/07/05

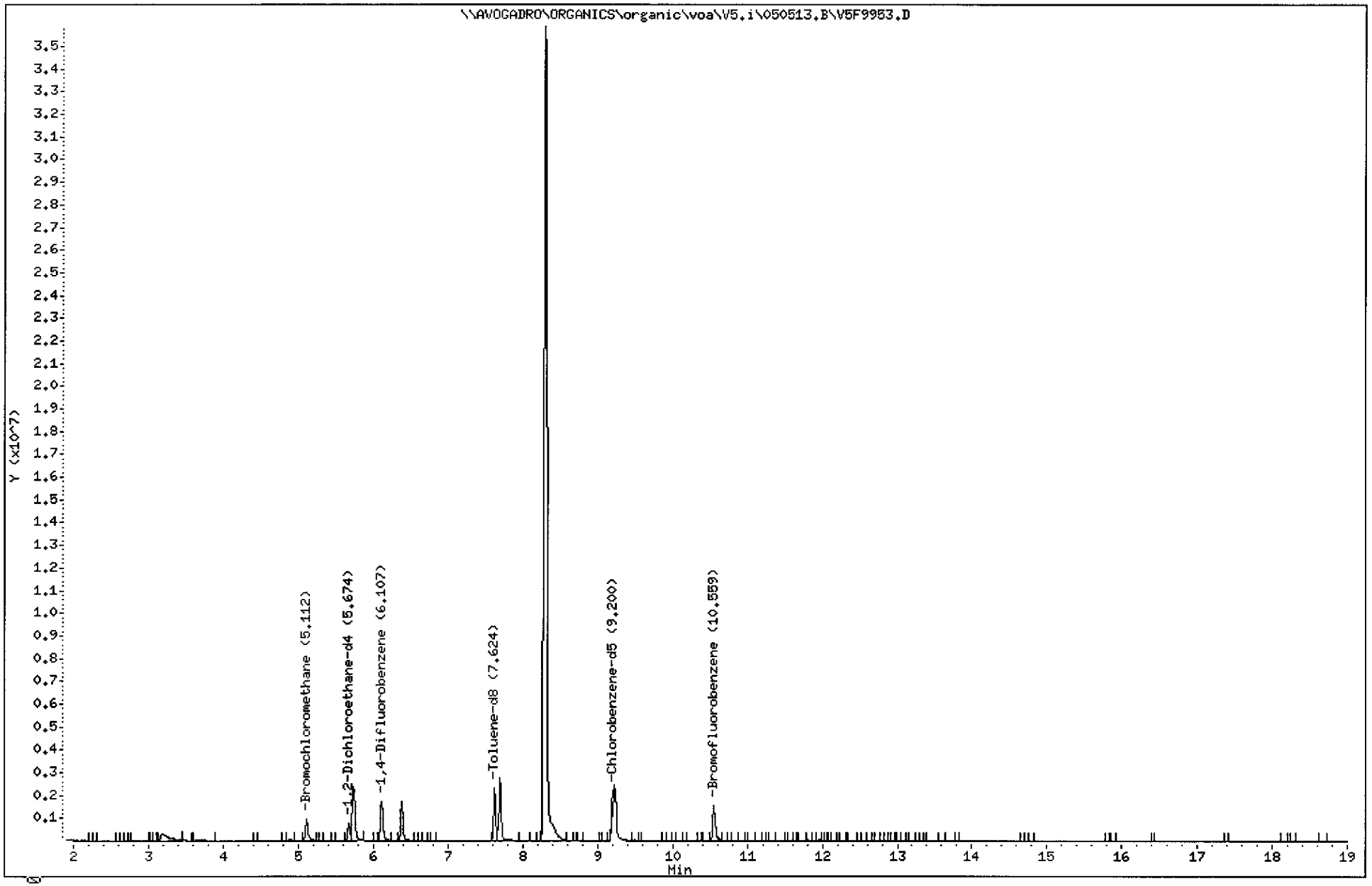
% Moisture: not dec. 17 Date Analyzed: 05/13/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	72	
108-87-2	Methylcyclohexane	12	U
78-87-5	1,2-Dichloropropane	12	U
75-27-4	Bromodichloromethane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
108-88-3	Toluene	64	
10061-02-6	trans-1,3-Dichloropropene	12	U
79-00-5	1,1,2-Trichloroethane	12	U
127-18-4	Tetrachloroethene	1500	E
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	12	U
106-93-4	1,2-Dibromoethane	12	U
108-90-7	Chlorobenzene	62	
100-41-4	Ethylbenzene	12	U
1330-20-7	Xylene (Total)	12	U
100-42-5	Styrene	12	U
75-25-2	Bromoform	12	U
98-82-8	Isopropylbenzene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9953.D
Date : 13-MAY-2005 16:52
Client ID: B-390MSD
Instrument: v5.i
Sample Info: ,D0529-01CMSD,,18114
Operator: JC SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



9620

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9953.D
Report Date: 25-May-2005 12:11

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9953.D
Lab Smp Id: D0529-01CMSD Client Smp ID: B-390MSD
Inj Date : 13-MAY-2005 16:52
Operator : JC SRC: LIMS Inst ID: v5.i
Smp Info : ,D0529-01CMSD,,18114
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\v5clp4h.m
Meth Date : 25-May-2005 10:43 mtl Quant Type: ISTD
Cal Date : 13-MAY-2005 10:09 Cal File: V5F9941.D ✓
Als bottle: 13 QC Sample: MSD ✓
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	17.000	% Moisture (not decanted)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
7	1,1-Dichloroethene	96	3.192	3.182	(0.624)	437889	52.0633	63
12	Methylene Chloride	84	3.645	3.645	(0.713)	43597	3.89317	5(a)
17	cis-1,2-Dichloroethene	96	4.886	4.876	(0.956)	17904	1.51336	2(a)
* 18	Bromochloromethane	128	5.112	5.112	(1.000)	335369	50.0000	
$ 23	1,2-Dichloroethane-d4	65	5.674	5.674	(1.110)	681558	49.3669	59
25	Benzene	78	5.733	5.733	(0.939)	2628313	57.5539	69
* 26	1,4-Difluorobenzene	114	6.107	6.107	(1.000)	1650884	50.0000	
27	Trichloroethene	130	6.373	6.373	(1.044)	736212	59.7269	72
$ 33	Toluene-d8	98	7.624	7.624	(0.829)	1792601	49.5173	60
34	Toluene	91	7.693	7.693	(0.836)	2330852	53.4034	64
37	Tetrachloroethene	164	8.294	8.294	(0.902)	12309685	1274.79	1500(A)
* 42	Chlorobenzene-d5	117	9.200	9.200	(1.000)	1494050	50.0000	
43	Chlorobenzene	112	9.230	9.229	(1.003)	1499375	51.5316	62
$ 50	Bromofluorobenzene	95	10.549	10.549	(1.147)	745626	50.3152	61

(B) 5/25/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\050513.B\V5F9953.D
Report Date: 25-May-2005 12:11

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390DLMS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CDLMS

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6157

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	1500	U
74-87-3	Chloromethane	1500	U
75-01-4	Vinyl Chloride	1500	U
74-83-9	Bromomethane	1500	U
75-00-3	Chloroethane	1500	U
75-69-4	Trichlorofluoromethane	1500	U
75-35-4	1,1-Dichloroethene	6300	D
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1500	U
67-64-1	Acetone	1500	U
75-15-0	Carbon Disulfide	1500	U
79-20-9	Methyl Acetate	1500	U
75-09-2	Methylene Chloride	1500	U
156-60-5	trans-1,2-Dichloroethene	1500	U
1634-04-4	Methyl tert-Butyl Ether	1500	U
75-34-3	1,1-Dichloroethane	1500	U
156-59-2	cis-1,2-Dichloroethene	1500	U
78-93-3	2-Butanone	1500	U
67-66-3	Chloroform	1500	U
71-55-6	1,1,1-Trichloroethane	1500	U
110-82-7	Cyclohexane	1500	U
56-23-5	Carbon Tetrachloride	1500	U
71-43-2	Benzene	7800	D
107-06-2	1,2-Dichloroethane	1500	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390DLMS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CDLMS

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6157

Level: (low/med) MED Date Received: 05/07/05

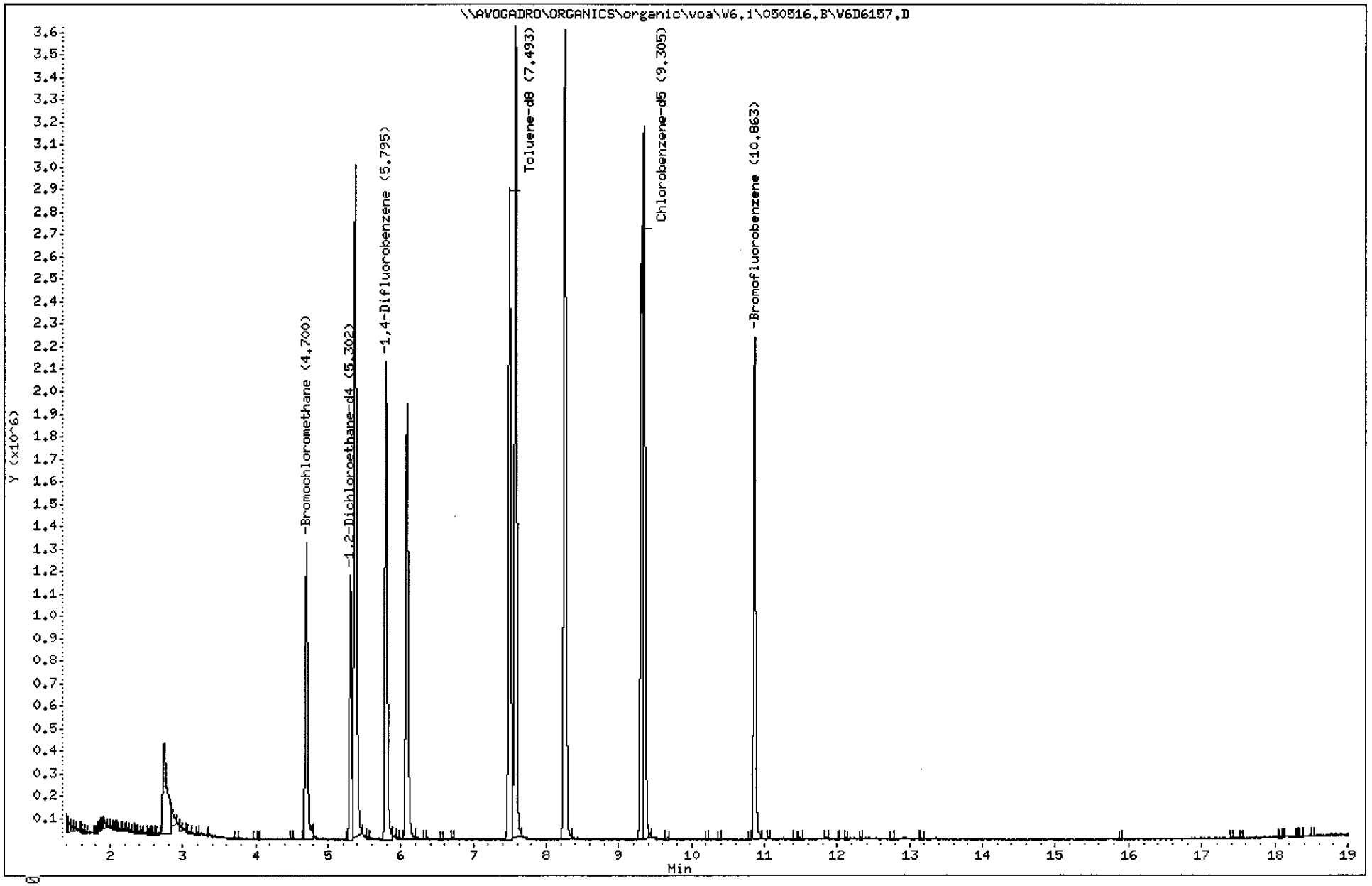
% Moisture: not dec. 17 Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	7100	D
108-87-2	Methylcyclohexane	1500	U
78-87-5	1,2-Dichloropropane	1500	U
75-27-4	Bromodichloromethane	1500	U
10061-01-5	cis-1,3-Dichloropropene	1500	U
108-10-1	4-Methyl-2-Pentanone	1500	U
108-88-3	Toluene	7900	D
10061-02-6	trans-1,3-Dichloropropene	1500	U
79-00-5	1,1,2-Trichloroethane	1500	U
127-18-4	Tetrachloroethene	14000	D
591-78-6	2-Hexanone	1500	U
124-48-1	Dibromochloromethane	1500	U
106-93-4	1,2-Dibromoethane	1500	U
108-90-7	Chlorobenzene	8100	D
100-41-4	Ethylbenzene	1500	U
1330-20-7	Xylene (Total)	1500	U
100-42-5	Styrene	1500	U
75-25-2	Bromoform	1500	U
98-82-8	Isopropylbenzene	1500	U
79-34-5	1,1,2,2-Tetrachloroethane	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
96-12-8	1,2-Dibromo-3-chloropropane	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6157.D
Date : 16-MAY-2005 19:14
Client ID: B-390DLMS
Instrument: V6.i
Sample Info: ,D0529-01CDLMS,,18128
Operator: V6 SRC: V6
Column phase: DB-624
Column diameter: 0.25



D0529

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6157.D
Report Date: 31-May-2005 09:54

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6157.D
Lab Smp Id: D0529-01CDLMS Client Smp ID: B-390DLMS
Inj Date : 16-MAY-2005 19:14
Operator : V6 SRC: V6 Inst ID: V6.i
Smp Info : ,D0529-01CDLMS,,18128
Misc Info : ,1,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\v6clp4s.m
Meth Date : 25-May-2005 11:36 mtl Quant Type: ISTD
Cal Date : 16-MAY-2005 10:18 Cal File: V6D6141.D
Als bottle: 11 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula:
Amt * DF * Uf * ((Vt+Ws*M/100)* 5)/(Va * Ws * ((100-M)/100)))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	4.000	Weight of sample extracted (g)
M	17.000	% Moisture (not decanted)
Vt	10000.000	Methanol extract volume (uL)
Va	100.000	Aliquot of methanol (uL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 1,1-Dichloroethene	96	2.741	2.760	(0.583)	443811	41.9536	6300
*	18 Bromochloromethane	128	4.700	4.700	(1.000)	369893	50.0000	
$	23 1,2-Dichloroethane-d4	65	5.303	5.302	(1.128)	957651	44.7075	6700
	25 Benzene	78	5.369	5.375	(0.927)	2928534	51.9873	7800
*	26 1,4-Difluorobenzene	114	5.795	5.795	(1.000)	1857421	50.0000	
	27 Trichloroethene	130	6.081	6.087	(1.049)	743786	47.1655	7100
$	33 Toluene-d8	98	7.492	7.492	(0.805)	2185495	46.5889	7000
	34 Toluene	91	7.572	7.572	(0.814)	3044383	52.7571	7900
	37 Tetrachloroethene	164	8.253	8.259	(0.887)	1021804	92.5179	14000
*	42 Chlorobenzene-d5	117	9.305	9.305	(1.000)	1724237	50.0000	
	43 Chlorobenzene	112	9.342	9.342	(1.004)	2106536	53.8846	8100
$	50 Bromofluorobenzene	95	10.863	10.863	(1.167)	867467	46.5181	7000

5B
5/31/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390DLMSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CDLMSD

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6158

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1500	U
74-87-3	Chloromethane	1500	U
75-01-4	Vinyl Chloride	1500	U
74-83-9	Bromomethane	1500	U
75-00-3	Chloroethane	1500	U
75-69-4	Trichlorofluoromethane	1500	U
75-35-4	1,1-Dichloroethene	7300	D
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1500	U
67-64-1	Acetone	1500	U
75-15-0	Carbon Disulfide	1500	U
79-20-9	Methyl Acetate	1500	U
75-09-2	Methylene Chloride	1500	U
156-60-5	trans-1,2-Dichloroethene	1500	U
1634-04-4	Methyl tert-Butyl Ether	1500	U
75-34-3	1,1-Dichloroethane	1500	U
156-59-2	cis-1,2-Dichloroethene	1500	U
78-93-3	2-Butanone	1500	U
67-66-3	Chloroform	1500	U
71-55-6	1,1,1-Trichloroethane	1500	U
110-82-7	Cyclohexane	1500	U
56-23-5	Carbon Tetrachloride	1500	U
71-43-2	Benzene	8800	D
107-06-2	1,2-Dichloroethane	1500	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390DLMSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01CDLMSD

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6158

Level: (low/med) MED Date Received: 05/07/05

% Moisture: not dec. 17 Date Analyzed: 05/16/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

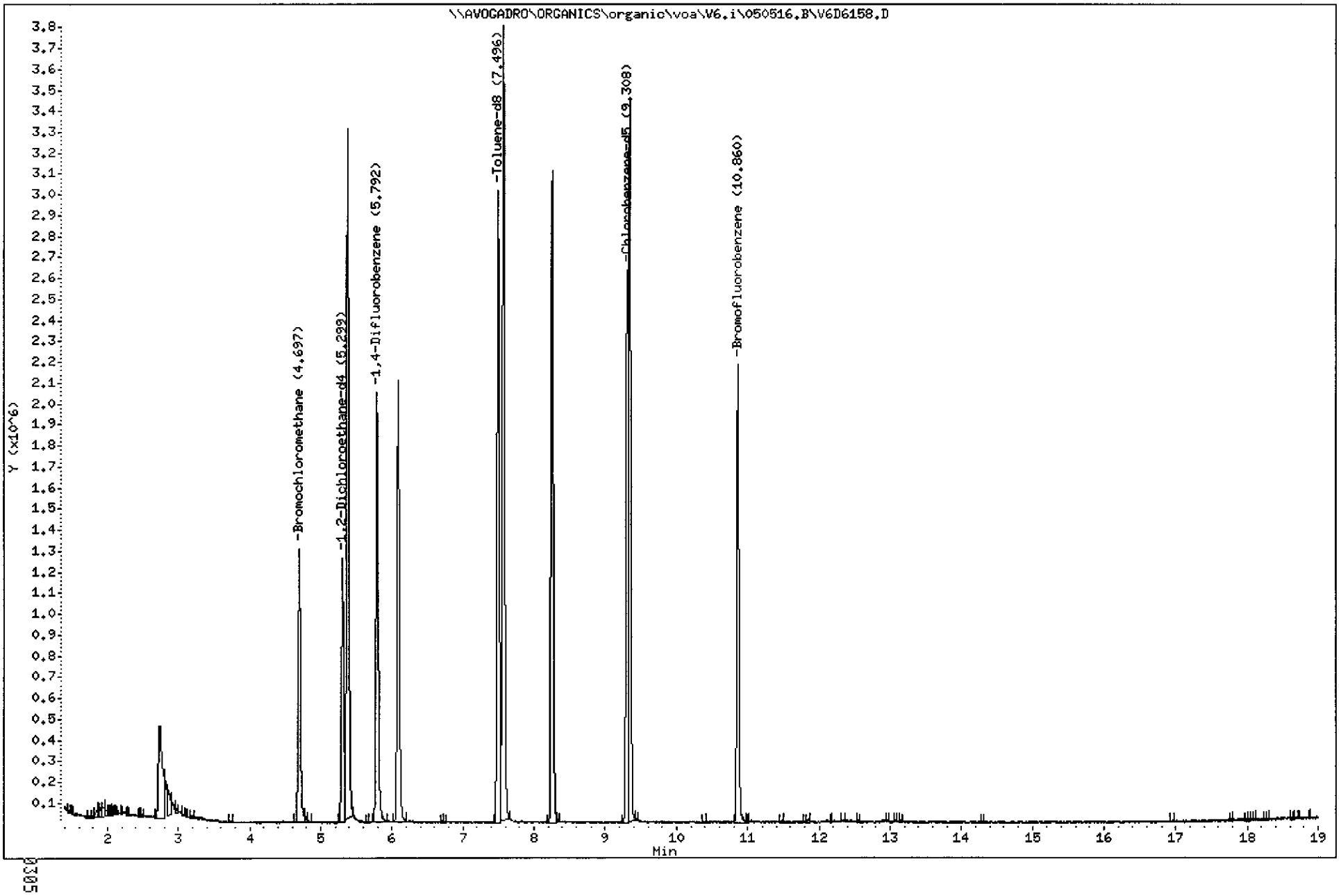
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	8000	D
108-87-2	Methylcyclohexane	1500	U
78-87-5	1,2-Dichloropropane	1500	U
75-27-4	Bromodichloromethane	1500	U
10061-01-5	cis-1,3-Dichloropropene	1500	U
108-10-1	4-Methyl-2-Pentanone	1500	U
108-88-3	Toluene	8800	D
10061-02-6	trans-1,3-Dichloropropene	1500	U
79-00-5	1,1,2-Trichloroethane	1500	U
127-18-4	Tetrachloroethene	12000	D
591-78-6	2-Hexanone	1500	U
124-48-1	Dibromochloromethane	1500	U
106-93-4	1,2-Dibromoethane	1500	U
108-90-7	Chlorobenzene	8800	D
100-41-4	Ethylbenzene	1500	U
1330-20-7	Xylene (Total)	1500	U
100-42-5	Styrene	1500	U
75-25-2	Bromoform	1500	U
98-82-8	Isopropylbenzene	1500	U
79-34-5	1,1,2,2-Tetrachloroethane	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
96-12-8	1,2-Dibromo-3-chloropropane	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6158.D
Date : 16-MAY-2005 19:41
Client ID: B-390DLMSD
Sample Info: ,D0529-01CDLMSD,,18128

Instrument: V6.i

Operator: V6 SRC: V6
Column phase: DB-624
Column diameter: 0.25



0205

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6158.D
Report Date: 31-May-2005 09:54

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\V6D6158.D
Lab Smp Id: D0529-01CDLMSD Client Smp ID: B-390DLMSD
Inj Date : 16-MAY-2005 19:41
Operator : V6 SRC: V6 Inst ID: V6.i
Smp Info : ,D0529-01CDLMSD,,18128
Misc Info : ,1,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050516.B\v6clp4s.m
Meth Date : 25-May-2005 11:36 mtl Quant Type: ISTD
Cal Date : 16-MAY-2005 10:18 Cal File: V6D6141.D
Als bottle: 12 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula:
Amt * DF * Uf * ((Vt+Ws*M/100)* 5)/(Va * Ws * ((100-M)/100)))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	4.000	Weight of sample extracted (g)
M	17.000	% Moisture (not decanted)
Vt	10000.000	Methanol extract volume (uL)
Va	100.000	Aliquot of methanol (uL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 1,1-Dichloroethene	96	2.738	2.760	(0.583)	495128	48.5966	7300
*	18 Bromochloromethane	128	4.697	4.700	(1.000)	356254	50.0000	
$	23 1,2-Dichloroethane-d4	65	5.299	5.302	(1.128)	994976	48.2283	7300
	25 Benzene	78	5.372	5.375	(0.928)	3166535	58.1556	8800
*	26 1,4-Difluorobenzene	114	5.792	5.795	(1.000)	1795355	50.0000	
	27 Trichloroethene	130	6.084	6.087	(1.050)	807266	52.9606	8000
$	33 Toluene-d8	98	7.489	7.492	(0.805)	2344996	50.6418	7600
	34 Toluene	91	7.575	7.572	(0.814)	3314391	58.1861	8800
	37 Tetrachloroethene	164	8.256	8.259	(0.888)	898395	82.4062	12000
*	42 Chlorobenzene-d5	117	9.302	9.305	(1.000)	1702012	50.0000	
	43 Chlorobenzene	112	9.345	9.342	(1.005)	2253806	58.4046	8800
$	50 Bromofluorobenzene	95	10.860	10.863	(1.167)	888436	48.2647	7300

SB 5/31/05

MITKEM CORPORATION: VOLATILES RECEIVING LOGBOOK

VOA Log-In Date	Workorder	Client	Sample Numbers	Relinquished By	Refrigerator ID	Comments
5/09/05	D0529	DAY	01 — 03	JH	R-4	250ml's — 1 HCl
5/9/05	D0534	Ensafe	01 → 09		R-10	
5/9/05	D0532	GZA/Mirant	01 → 04		R-10	
5/10/05	D0536	Maguire	01	SB	R4	72hr TAT
	D0522	Ensafe	12-18	SB	R10	(Spl #18 run at DL)
	D0521	Berger	19-20		R4	
	D0538	Tectonic	01-04		R10	04 = AQTB
	D0537	Berger	01-12		R4	
	D0539	CH2M Hill	01-09	SB	R4	only 1 vial for -03B
5.10.05	D0483	GZA	08-09	JH	R4	
5.10.05	D0540	CDM	01-02	JH	R4	
5.11.05	D0542	EarthTech	01-03	JH	R-4	
5.11.05	D0541	TRC	01-08, 12-14, 10	JN	R-10	
5-11-05	D0540	RIRRC	03, 04, 05	JC	R4	
5-12-05	D0546	~~RIRRC 01-04~~	01-04	JC	R4	

JC 5-12-05

Percent Moisture and Percent Solids Report

Mitkem Sample ID	*Client Sample ID*	*Analyzed*	*Percent Moisture*	*Percent Solids*	*Validated*
D0529-01A	*B-3 (9.0')*	05/13/2005	17	83	Yes
D0529-02A	*B-3 (3.0')*	05/13/2005	13	87	Yes

MITKEM CORPORATION: Volatile Organics Low/Medium Level Soil Extraction Log

Date	Lab ID		Analysis	Initial Wt. (g)	Final Wt. (g)	Sample Wt. (g)	Extraction Volume (mL)	Sample Type	Solvent / Lot. #	Comments	Analyst
13/05	D0515 –	2 of 2 02 BRE	8260	34,69	41,46	6,8	5 mL	B			LG
		04 BRE 2 of 2		35,55	42,98	7,4					
		08 BRE 2 of 2		34,38	38,82	4,4					
		09 BRE 2 of 2		34,65	42,67	8,0					
		11 B RE 2 of 2		34,44	41,83	7,4					
		12 B RE 2 of 2		34,71	41,08	6,4					
		13 B RE 2 of 2		34,66	41,74	7,1					
		14 B RE 2 of 2		34,53	40,68	6,2		↓			
	D0515 –	15 B RE 2 of 2	8260	34,66	41,13	6,5	5 mL	B			LG
	D0516 –	01 B	8260	35,20	39,09	3,9	5 mL	B			LG
		02 B		34,84	41,78	6,9					
		06 B		34,66	42,88	8,2					
13/05	D0516 –	07 B	8260	34,56	34,56	0	5 mL	B			LG
-13-05	D0529	01C	OLM	N/A	N/A	5.1 ✓	5 mL	E	H_2O/N/A		JC
-13-05	D0529	01CMS	OLM	N/A	N/A	5.2 ✓	5 mL	E	H_2O/N/A		JC
-13-05	D0529	01CMSD	OLM	N/A	N/A	5.0 ✓	5 mL	E	H_2O/N/A		JC

Sample Type: A. MeOH Pre-preserved; B. DI H2O/Freeze; C. NaHSO4 Pre-preserved; D. Encore; E. Unpreserved Jars

Logbook ID: 90.0189-03/05

Reviewed By: SB 5/19/05

6030 0209

MITKEM CORPORATION: Volatile Organics Low/Medium Level Soil Extraction Log

Date	Lab ID		Analysis	Initial Wt. (g)	Final Wt. (g)	Sample Wt. (g)	Extraction Volume (mL)	Sample Type	Solvent / Lot. #	Comments	Analyst
5-13-05	D0525	02A	OLM	N/A	N/A	1.0 ✓	5 mL	E	H_2O/N/A	Strong Smell	JC
5/13/05	D0501-	07D	VPH	34.65	40.68	6.0	10ml	A		1.0ml SS added	SB
		09D		35.09	40.94	5.9				1.0ml SS added	
		10D		35.02	46.43	11.4				2.0ml SS added	
		11D		34.84	40.78	5.9				1.0ml SS added	
		12D		35.04	46.09	11.1				2.0ml SS added	
		13D		34.69	45.72	11.0				2.0ml SS added	
		14D		34.76	39.29	4.5				1.0ml SS added	
↓	↓	15D	↓	35.08	46.21	11.1	↓	↓		2.0ml SS added	↓
5/13/05	D0501-	19D	VPH	34.79	45.90	11.1	10ml	A		2.0ml SS added	SB
5/16/05	D0556-	01A	8260	N/A	N/A	5.0	5mL	B			LG
	D0556-	02A				5.1					
	D0538-	01A				5.0					
	↓	02A	↓	↓	↓	5.1	↓	↓			↓
5/16/05	D0538-	03A	8260	N/A	N/A	5.1	5mL	B			LG
5/16/05	D0556-	02AMS	8260	N/A	N/A	5.1	5mL	B			LG

Sample Type: A. MeOH Pre-preserved; B. DI H2O/Freeze; C. NaHSO4 Pre-preserved; D. Encore; E. Unpreserved Jars

Logbook ID: 90.0189-03/05

Reviewed By: SB 5/19/05

0310

MITKEM CORPORATION: Volatile Organics Low/Medium Level Soil Extraction Log

Date	Lab ID		Analysis	Initial Wt. (g)	Final Wt. (g)	Sample Wt. (g)	Extraction Volume (mL)	Sample Type	Solvent / Lot. #	Comments	Analyst
5/16/05	D0529-	01A	OLM	n/a	n/a	4.0 ✓	10ml ✓	E	MeOH/045850		SB
↓	↓	01AMS	↓	↓	↓	4.0 ✓	↓	↓	↓		↓
↓	↓	01AMSD	↓	↓	↓	4.0 ✓	↓	↓	↓		↓
5/16/05	D0529-	02A	OLM	n/a	n/a	4.1 ✓	10ml ✓	E	MeOH/045850		SB
5/18/05	D0577 -	01C	OLM	N/A	N/A	6.4	5mL	D	H_2O	1-2	LG
↓	↓	01C	↓	↓	↓	6.3	↓	↓	↓	2-2	↓
↓	↓	01D	↓	↓	↓	6.1	↓	↓	↓		↓
↓	↓	02C	↓	↓	↓	5.9	↓	↓	↓	1-2	↓
↓	↓	02C	↓	↓	↓	6.4	↓	↓	↓	2-2	↓
↓	↓	02D	↓	↓	↓	5.9	↓	↓	↓		↓
↓	↓	03C	↓	↓	↓	5.7	↓	↓	↓	1-2	↓
↓	↓	03C	↓	↓	↓	5.8	↓	↓	↓	2-2	↓
↓	↓	03D	↓	↓	↓	5.7	↓	↓	↓		↓
↓	↓	04C	↓	↓	↓	5.9	↓	↓	↓	1-2	↓
↓	↓	04C	↓	↓	↓	5.7	↓	↓	↓	2-2	↓
5/18/05	D0577 -	04D	OLM	N/A	N/A	5.6	5mL	D	H_2O		LG

Sample Type: A. MeOH Pre-preserved; B. DI H2O/Freeze; C. NaHSO4 Pre-preserved; D. Encore; E. Unpreserved Jars

Logbook ID: 90.0189-03/05

Reviewed By: SB 5/19/05

0311

DATE: 4-13-05

INSTRUMENT V5
INJECTION LOG

MITKEM CORPORATION
VOLATILES LABORATORY

METHOD: V5CLP4H
CAL ID: V1005031414-IS
V1005031413-SS
V1005040SC-SID
ANALYST: JC
INITIAL CAL: 4-13-05
IS/SS ID:
ARCHIVE:
COMMENTS:

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V5F94	75	BFB52	BFB52	2ml	—	Passed 10:45			
		76	VSTD0505Z	VSTD0505Z	5ml	—				
		77	VSTD010SZ	VSTD010SZ		—	Used for			
		78	VSTD200SZ	VSTD200SZ		—	OLM 4.3 low std			
		79	VSTD100SZ	VSTD100SZ		—				
	V5F94	80	VSTD020SZ	VSTD020SZ	5ml	—				

N/A
4-13-05

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Signed: _____ Date: _____

Logbook ID 90.0199-03/05

Reviewed By: YD 4/29/05

0312

DATE: 5-13-05

INSTRUMENT V5
INJECTION LOG

MITKEM CORPORATION
VOLATILES LABORATORY

METHOD: ~~V8260~~ V5CLP4H
INITIAL CAL: 4-13-05
COMMENTS:

CAL ID: VW050512B-IS
IS/SS ID: VW050512C-SS
VW050512A-STD

ANALYST: JC
ARCHIVE:

AS #	FILE		MITKEM ID		CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V5F99	40	BFB5L		BFB5L	2ml	–	Passed 9:26			
		41	VSTD0505L		VSTD0505L	5ml	–	OK			
		42	MB-18114		VBLK5L	5ml	–	OK	✓	✓	
		43	LCS-18114		V5LLCS	5ml	–	OK	✓	✓	
		44	D0523	01C	B-190	5.1g	–	OK	✓	✓	
		45	↓	03D	B-650	5.0g	–	OK	✓	✓	
		46	↓	04A	B-7140	5.0g	–	OK	✓	✓	
		47	D0523	02A	B-440	1.0g	–	OK Tics↑	✓	✓	
		48	VHBLK5L		VHBLK5L	5ml	–		✓	✓	
		49	VHBLK5L		VHBLK5L	5ml	–	OK	✓	✓	
		50	VHBLK5L		VHBLK5L	5ml	–	OK	✓	✓	
		51	D0529	01C	B-390	5.1g	–	PCE 1031 ug/L	✓	✓	
		52	↓	01CMS	B-390MS	5.2g	–	PCE 1198 ug/L	✓	✓	
		53	↓	01CMSD	B-390MSD	5.0g	–	PCE 1224 ug/L	✓	✓	
		54	D0529	02A	B-330	1.0g	–	TCE 1134 ug/L Tics↑	✓	✓ 1↑	5-16-05
		55	VHBLK5M		VHBLK5M	5ml	–	not used	✓	✗	
		56	↓		↓	↓	–	↓	✓	✓	
		57					–		✓	✓	
		58					–		✓	✓	
	↓	59	↓		↓	↓	–	↓	✓	✓	
	V5F99	60	VHBLK5M		VHBLK5M	5ml	–	2039	✓	✓	

N/A
5-16-05

Logbook ID 90.0199-03/05

Reviewed By: SB 5/25/05

0313

Instrument V 6
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: V6CLP45
INITIAL CAL: 5/12/05
COMMENTS:

CAL ID: VW050512A - STD
IS/SS ID: VW050512B - IS
VW050512C - SS
VW050512D - LCS
VW050512E - ICV

ANALYST: SB
DATE: 5/12/05
DATE PRINTED:
DATE LOADED:

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V6D60	90	BFB6B	BFB6B	2ul	-	OK (09:37)			
		91	VSTD0506B	VSTD0506B	5ml	-				
		92	VSTD0106B	VSTD0106B		-	NOT USED			
		93	VSTD2006B	VSTD2006B		-				
		94	VSTD1006B	VSTD1006B		-	OLM AQ/MLSOIL ICAL			
		95	VSTD0206B	VSTD0206B		-				
		96	VSTD0106B	VSTD0106B		-				
		97	ICV	ICV		-	OK	✓	✓	
		98	VBLK6B	VBLK6B		-	NOT USED	✓	#3 ↓	
	↓	99	V6B LCS	V6BLCS		-	NOT USED	✓	#3 ↓	
	V6D61	00	V6B LCSD	V6BLCSD	↓	-	Bad purge	✓	↓	
	V6D61	01	VBLK6B	VBLK6B	5ml	-	NOT USED	✓	#2 #3 ↓	

N/a SB 5/13/05

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Instrument V 6
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: V6 CLP4S
INITIAL CAL: 5/12/05
COMMENTS:

CAL ID: VW050512A -STD
IS/SS ID: VW050512B - IS
VW050512C -SS
VW050512D -LCS

ANALYST: SB
DATE: 5/13/05
DATE PRINTED:
DATE LOADED:

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V6D61	10	BFB6C	BFB6C	2ul	-	OK (09:27)			
		11	VSTD0506C	VSTD0506C	5ml	-	RR - some out			
		12	VSTD0506C	VSTD0506C		-	OK			
		13	MB-18113	VBLK6C		-	OK	✓	✓	
		14	LCS-18113	V6CLCS		-	RR -	✓	#2↑	
		15	LCS-18113	V6CLCS		-	OK	✓	✓	
		16	D0539-03A	TB050905		-	OK	✓	✓	<2
		17	D0539-04A	FB050905		-	OK	✓	✓	
		18	D0404-07A	007GW2030405		-	OK	✓	✓	
		19	↓ 07AMS	007GW2030405MS		-	OK (3 out)	✓	✓	↓
		20	D0404-07AMSD	007GW2030405MSD		-	OK (2 out)	✓	✓	<2
		21	VHBLK6C	VHBLK6C		-	OK	✓	✓	
		22	D0539-05A	RB050905		-	OK	✓	✓	<2
		23	↓ 01A	013GW0020505		-	OK	✓	✓	
		24	02A	013GW9000505		-	OK	✓	✓	
		25	06A	013GW0010505		-	OK	✓	✓	
		26	↓ 06AMS	↓ MS			RR (all spikes high)	✓	✓	
		27	D0539-06AMSD	013GW0010505MSD		-	RR (all spikes high)	✓	✓	↓
		28	D0529-03A	Rinsate		-	OK	✓	✓	<2
		29	D0550-01A	MW-13		-	OK	✓	✓	~7
		30	VHBLK6C	VHBLK6C		-	OK	✓	✓	
	↓	31	↓	↓	↓	-	OK (21:23)	✓	✓	
	V6D61	32	VHBLK6C	VHBLK6C	5ml	-	n/a (OTT)			

N/a SB 5/16/05

Instrument V 6
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: V6C|P4S | CAL ID: VW050512A-STD | ANALYST: SB
INITIAL CAL: 5/16/05 | IS/SS ID: VW050512B-IS | DATE: 5/16/05
VW050512C-SS
VW050512D-LCS
VW050512E-ICV
COMMENTS: ML SOIL method modified to include MeOH extract plus soil moisture (SB) | DATE PRINTED: | DATE LOADED:

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V6D61	40	BFB6D	BFB6D	2ul	-	OK (09:12)			
		41	VSTD050606D	VSTD050606D	5ml	-	OLM 4.3 ICAL (AQ + M.L. Soil)			
		42	VSTD010606D	VSTD010606D		-				
		43	VSTD200606D	VSTD200606D		-				
		44	VSTD100606D	VSTD100606D		-				
		45	VSTD020606D	VSTD020606D		-				
		46	ICV	ICV	5ml	-	RR (Some out)	✓	✓	
		47	MB-18127	VBLK6D	5ml	-	OK	✓	✓	
		48	MB-18128	VBLK6E	100ul/5ml	-	OK	✓	✓	
		49	LCS-18128	V6ELCS	100ul/5ml	-	OK	✓	✓	
		50	D0404-06A	007GW1040405	5ml	-	RR	✓	#3↓	< 2
		51	D0404-07A	007GW2030405		-	OK	✓	✓	< 2
		52	07AMS	↓ MS		-	NOT USED	✓	#3↓	
		53	07AMSD	007GW2030405MSD		-	NOT USED	✓	#2+3↓	
		54	D0404-06A 5/25/05	007GW1040405	↓	-	OK	✓	✓	
		55	VHBLK6D (SB) 5/25/05	VHBLK6D	5ml	-	OK	✓	✓	
		56	D0529-01AC DL	B-390 DL	100ul/5ml	-	OK (PCE: 95)	✓	✓	
		57	01AMS c	B-390 MS		-	OK	✓	✓	
		58	01AMSD c	B-390 MSD		-	OK	✓	✓	
		59	02A	B-330	↓	10	RR50X (PCE: 685)	✓	✓	
		60	D0529-02A	B-330	100ul/5ml	2	RR50X (PCE: 1733)	✓	#3↑	
		61	VHBLK6E	VHBLK6E	5ml	-	Carryover (20:54)	✓	✓	
		62	ICV	ICV		-	NOT USED	✓	✓	
	↓	63	VHBLK6E	VHBLK6E	↓	-	NOT USED	-	-	
	V6D61	64	VHBLK6E	VHBLK6E	5ml	-	NOT USED	-	-	

Instrument V 6
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: V6clp4s
INITIAL CAL: 5/16/05
COMMENTS:

CAL ID: VW050512A - STD
IS/SS ID: VW050516A - IS
VW050516B - SS
VW050516G - LCS

ANALYST: SB
DATE: 5/17/05
DATE PRINTED:
DATE LOADED:

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V6D61	70	BFB6F	BFB6F	2ul	—	OK (09:46)			
		71	VSTD0506F	VSTD0506F	5ml	-	OK			
		72	MB-18151	VBLK6F	5ml	-	OK	✓	✓	
		73	MB-18152	VBLK6G	100ul/5ml	-	OK	✓	✓	
		74	LCS-18151	V6FLCS	5ml	-	OK	✓	✓	
		75	D0529-02AD	B-330DL	100ul/5ml	50	OK	✓	✓	
		76	VHBLK6F	VHBLK6F	5ml	-	RR	✓	↓	
		77	VHBLK6F	VHBLK6F	↓	-	OK	✓	✓	
		78	D0564-01A	TB-1		-	OK	✓	✓	~7
		79	↓ 02A	ASMW-6		-	OK	✓	✓	↓
		80	03A	ASMW-7		-	OK	✓	✓	
		81	04A	ASMW-4		-	RR (data file NG)			
		82	05A	ASMW-5		-	OK	✓	✓	
		83	07A	ASMW-2		-	OK (PCE: 43)	✓	✓	
		84	08A	ASMW-3		-	OK	✓	✓	
		85	06A	ASMW-1		-	OK (PCE: 29)	✓	✓	
		86	↓ 06AMS	ASMW-1MS		-	OK	✓	✓	↓
		87	D0564-06AMSD	ASMW-1MSD		-	OK (1 spike out ↑)	✓	✓	~7
		88	VHBLK6G	VHBLK6G		-	OK	✓	✓	
	↓	89	↓	↓	↓	-	OK	✓	✓	
	V6D61	90	VHBLK6G	VHBLK6G	5ml	-	OK (20:38)	✓	✓	

SB N/a 5/17/05

MITKEM CORPORATION

* Semivolatile Organics *

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK1W	83	80	95	79	79	80	82	70	0
02	S1WLCS	85	80	96	73	75	91	74	63	0
03	S1WLCSD	84	74	93	74	71	84	67	57	0
04	RINSATE2	85	73	92	81	73	76	80	69	0
05										
06										
07										
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30										

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK1X	65	66	97	61	61	69	61	54	0
02	S1XLCS	63	72	96	58	64	73	61	54	0
03	B-390	47	54	62	45	40	44	42	37	0
04	B-390MS	57	58	76	54	52	69	52	46	0
05	B-390MSD	66	67	69	58	57	68	56	44	0
06										
07										
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		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix Spike - EPA Sample No.: B-390 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	3000	0.0	1800	60	26- 90
2-Chlorophenol	3000	0.0	1700	57	25-102
N-Nitroso-di-n-prop.(1)	2000	0.0	1100	55	41-126
4-Chloro-3-Methylphenol	3000	0.0	2100	70	26-103
Acenaphthene	2000	0.0	1300	65	31-137
4-Nitrophenol	3000	0.0	2200	73	11-114
2,4-Dinitrotoluene	2000	0.0	1200	60	28- 89
Pentachlorophenol	3000	0.0	1100	37	17-109
Pyrene	2000	0.0	1800	90	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	3000	2100	70	15	35	26- 90
2-Chlorophenol	3000	1900	63	10	50	25-102
N-Nitroso-di-n-prop.(1)	2000	1300	65	17	38	41-126
4-Chloro-3-Methylphenol	3000	1600	53	28	33	26-103
Acenaphthene	2000	1400	70	7	19	31-137
4-Nitrophenol	3000	3000	100	31	50	11-114
2,4-Dinitrotoluene	2000	1100	55	9	47	28- 89
Pentachlorophenol	3000	1400	47	24	47	17-109
Pyrene	2000	1600	80	12	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 0 out of 18 outside limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix Spike - Sample No.: S1WLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Phenol	75		60	80	12-110
2-Chlorophenol	75		60	80	27-123
N-Nitroso-di-n-prop.(1)	50		38	76	41-116
4-Chloro-3-Methylphenol	75		71	95	23- 97
Acenaphthene	50		46	92	46-118
4-Nitrophenol	75		75	100*	10- 80
2,4-Dinitrotoluene	50		44	88	24- 96
Pentachlorophenol	75		83	111*	9-103
Pyrene	50		44	88	26-127

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75	54	72	11	42	12-110
2-Chlorophenol	75	49	65	21	40	27-123
N-Nitroso-di-n-prop.(1)	50	36	72	5	38	41-116
4-Chloro-3-Methylphenol	75	65	87	9	42	23- 97
Acenaphthene	50	37	74	22	31	46-118
4-Nitrophenol	75	65	87*	14	50	10- 80
2,4-Dinitrotoluene	50	37	74	17	38	24- 96
Pentachlorophenol	75	73	97	13	50	9-103
Pyrene	50	47	94	7	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 3 out of 18 outside limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix Spike - Sample No.: S1XLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Phenol	2500		1600	64	26- 90
2-Chlorophenol	2500		1600	64	25-102
N-Nitroso-di-n-prop.(1)	1700		900	53	41-126
4-Chloro-3-Methylphenol	2500		1700	68	26-103
Acenaphthene	1700		1300	76	31-137
4-Nitrophenol	2500		1900	76	11-114
2,4-Dinitrotoluene	1700		1200	71	28- 89
Pentachlorophenol	2500		1600	64	17-109
Pyrene	1700		1700	100	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 9 outside limits

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK1W

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: S1E4507 Lab Sample ID: MB-18091

Instrument ID: S1 Date Extracted: 05/12/05

Matrix: (soil/water) WATER Date Analyzed: 05/25/05

Level: (low/med) LOW Time Analyzed: 0931

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S1WLCS	LCS-18091	S1E4508	05/25/05
02	S1WLCSD	LCSD-18091	S1E4509	05/25/05
03	RINSATE2	D0529-03B	S1E4516	05/25/05
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COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK1X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: S1E4510 Lab Sample ID: MB-18109

Instrument ID: S1 Date Extracted: 05/13/05

Matrix: (soil/water) SOIL Date Analyzed: 05/25/05

Level: (low/med) LOW Time Analyzed: 1104

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S1XLCS	LCS-18109	S1E4511	05/25/05
02	B-390	D0529-01A	S1E4515	05/25/05
03	B-390MS	D0529-01AMS	S1E4517	05/25/05
04	B-390MSD	D0529-01AMSD	S1E4518	05/25/05
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COMMENTS: _____

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: S1E4486 DFTPP Injection Date: 05/19/05

Instrument ID: S1 DFTPP Injection Time: 1258

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	40.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	56.3
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	25.0 - 75.0% of mass 198	38.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	23.3
365	Greater than 0.75% of mass 198	3.75
441	Present, but less than mass 443	14.5
442	40.0 - 110.0% of mass 198	87.4
443	15.0 - 24.0% of mass 442	16.8 (19.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0501V	SSTD0501V	S1E4487	05/19/05	1315
02	SSTD1601V	SSTD1601V	S1E4488	05/19/05	1346
03	SSTD0201V	SSTD0201V	S1E4489	05/19/05	1418
04	SSTD0801V	SSTD0801V	S1E4490	05/19/05	1449
05	SSTD1201V	SSTD1201V	S1E4491	05/19/05	1520
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5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Lab File ID: S1E4505A DFTPP Injection Date: 05/25/05

Instrument ID: S1 DFTPP Injection Time: 0836

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	47.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	64.1
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	25.0 - 75.0% of mass 198	42.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	23.9
365	Greater than 0.75% of mass 198	4.18
441	Present, but less than mass 443	15.2
442	40.0 - 110.0% of mass 198	95.4
443	15.0 - 24.0% of mass 442	18.0 (18.9)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0501W	SSTD0501W	S1E4506	05/25/05	0853
02	SBLK1W	MB-18091	S1E4507	05/25/05	0931
03	S1WLCS	LCS-18091	S1E4508	05/25/05	1002
04	S1WLCSD	LCSD-18091	S1E4509	05/25/05	1033
05	SBLK1X	MB-18109	S1E4510	05/25/05	1104
06	S1XLCS	LCS-18109	S1E4511	05/25/05	1136
07	B-390	D0529-01A	S1E4515	05/25/05	1415
08	RINSATE2	D0529-03B	S1E4516	05/25/05	1449
09	B-390MS	D0529-01AMS	S1E4517	05/25/05	1520
10	B-390MSD	D0529-01AMSD	S1E4518	05/25/05	1552
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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

EPA Sample No. (SSTD050##): SSTD0501W Date Analyzed: 05/25/05

Lab File ID (Standard): S1E4506 Time Analyzed: 0853

Instrument ID: S1 GC Column: DB-5MS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	297131	5.52	1124444	7.44	619103	10.22
	UPPER LIMIT	594262	6.02	2248888	7.94	1238206	10.72
	LOWER LIMIT	148566	5.02	562222	6.94	309552	9.72
	EPA SAMPLE NO.						
01	SBLK1W	270712	5.52	973479	7.43	533791	10.22
02	S1WLCS	309175	5.52	1080842	7.43	578022	10.22
03	S1WLCSD	280993	5.52	911999	7.44	534085	10.21
04	SBLK1X	329414	5.52	1105742	7.44	571539	10.22
05	S1XLCS	324831	5.52	1105487	7.44	522000	10.22
06	B-390	375666	5.52	1347228	7.43	660674	10.21
07	RINSATE2	370640	5.52	1294587	7.43	714495	10.22
08	B-390MS	463323	5.52	1482829	7.44	786670	10.22
09	B-390MSD	456818	5.52	1497779	7.43	639126	10.22
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20							
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22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

EPA Sample No. (SSTD050##): SSTD0501W Date Analyzed: 05/25/05

Lab File ID (Standard): S1E4506 Time Analyzed: 0853

Instrument ID: S1 GC Column: DB-5MS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1018707	12.60	1266448	16.86	973706	18.99
	UPPER LIMIT	2037414	13.10	2532896	17.36	1947412	19.49
	LOWER LIMIT	509354	12.10	633224	16.36	486853	18.49
	EPA SAMPLE NO.						
01	SBLK1W	954565	12.60	932856	16.85	939850	18.98
02	S1WLCS	994520	12.60	1091720	16.86	1004047	18.98
03	S1WLCSD	874804	12.59	943573	16.85	913301	18.98
04	SBLK1X	901246	12.59	829293	16.85	888495	18.98
05	S1XLCS	771615	12.60	654829	16.85	684521	18.98
06	B-390	1102637	12.59	1021343	16.86	992447	18.98
07	RINSATE2	1188261	12.60	1154248	16.85	1034238	18.98
08	B-390MS	1193192	12.59	1099183	16.85	1063998	18.98
09	B-390MSD	1037534	12.60	1224768	16.87	1110466	19.00
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4515

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4515

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	47	J
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	74	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B-390

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4515

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	6.71	130	J
2.	112-53-8	1-DODECANOL	10.08	280	NJ
3.	2156-97-0	DODECYL ACRYLATE	11.82	200	NJ
4.		UNKNOWN	22.47	1700	J
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
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19.					
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24.					
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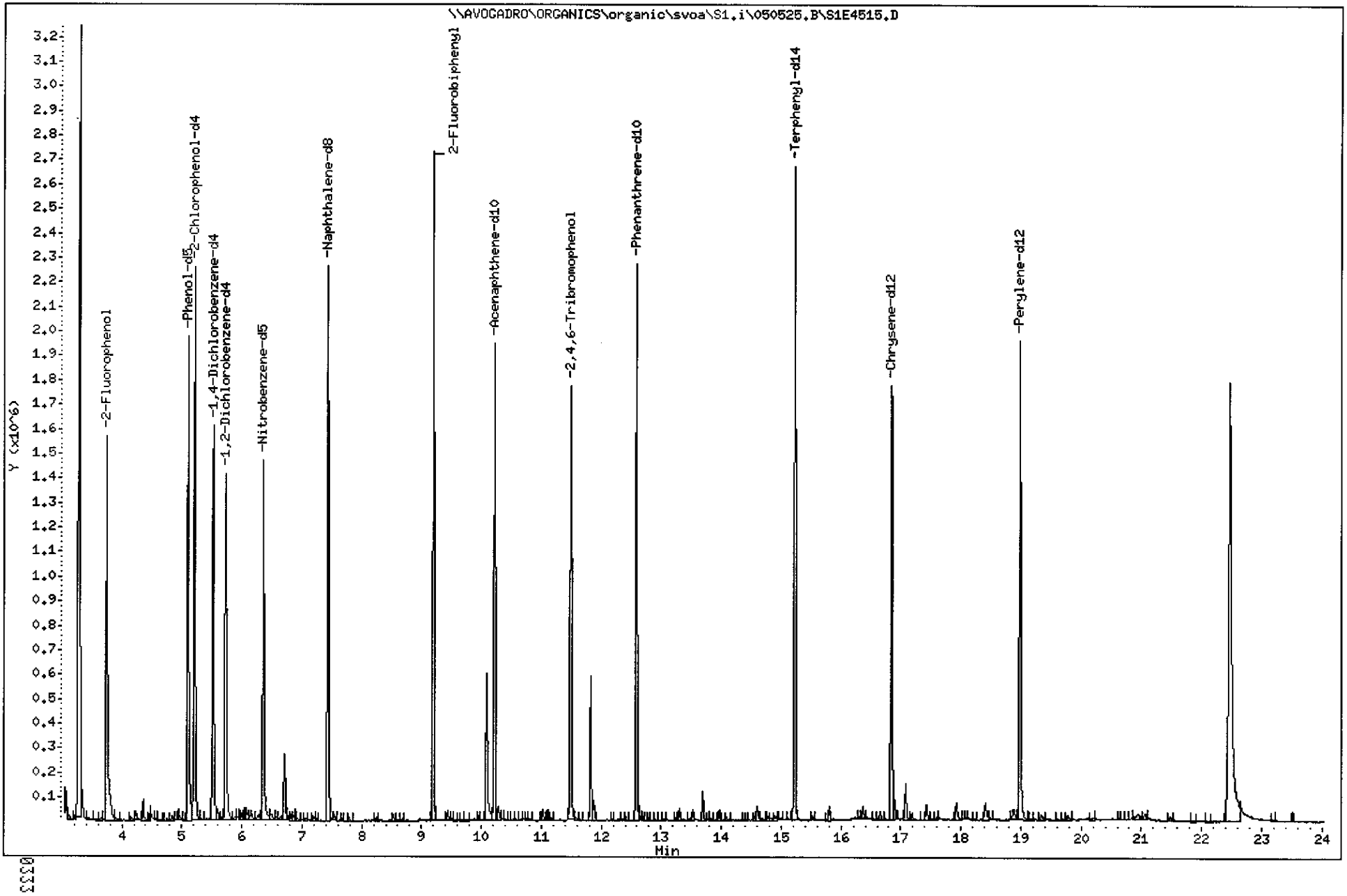
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4515.D
Date : 25-MAY-2005 14:15
Client ID: B-390
Instrument: S1.i
Sample Info: D0529-01A,,18109,,
Volume Injected (uL): 2.0
Operator: AW SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1E4515.D
Report Date: 26-May-2005 16:10

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4515.D
Lab Smp Id: D0529-01A Client Smp ID: B-390
Inj Date : 25-MAY-2005 14:15
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0529-01A,,18109,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D ✓
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET1

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	17.000	% Moisture

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$	1 2-Fluorophenol	112	3.740	3.726	(0.677)	623170	60.5108	1200
$	3 Phenol-d5	99	5.101	5.098	(0.924)	786171	68.0868	1400
$	6 2-Chlorophenol-d4	132	5.209	5.206	(0.943)	788475	63.5566	1300
*	8 1,4-Dichlorobenzene-d4	152	5.523	5.520	(1.000)	375666	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.739	5.736	(1.039)	321551	36.5280	730
$	16 Nitrobenzene-d5	82	6.365	6.373	(0.856)	541221	46.7760	940
*	23 Naphthalene-d8	136	7.435	7.443	(1.000)	1347228	40.0000	
$	33 2-Fluorobiphenyl	172	9.196	9.204	(0.901)	1090162	53.8771	1100
*	41 Acenaphthene-d10	164	10.211	10.219	(1.000)	660674	40.0000	
$	53 2,4,6-Tribromophenol	330	11.497	11.505	(0.913)	384336	65.2977	1300
*	58 Phenanthrene-d10	188	12.588	12.596	(1.000)	1102637	40.0000	
	62 Di-n-butylphthalate	149	13.690	13.698	(1.088)	88356	2.33100	47(a)
$	65 Terphenyl-d14	244	15.235	15.232	(0.904)	1199155	62.4386	1300

Data File: S1E4515.D
Report Date: 26-May-2005 16:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
* 69 Chrysene-d12	240	16.856	16.863	(1.000)	1021343	40.0000	
71 bis(2-Ethylhexyl)phthalate	149	17.072	17.079	(1.013)	70100	3.68781	74(a)
* 76 Perylene-d12	264	18.984	18.992	(1.000)	992447	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

05/26/05
AV

KC

Data File: S1E4515.D
Report Date: 26-May-2005 16:10

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4515.D
Lab Smp Id: D0529-01A Client Smp ID: B-390
Inj Date : 25-MAY-2005 14:15
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0529-01A,,18109,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET1

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	17.000	% Moisture

ISTD	RT	AREA	AMOUNT
* 23 Naphthalene-d8	7.435	2917582	40.000
* 41 Acenaphthene-d10	10.211	3013158	40.000
* 58 Phenanthrene-d10	12.588	3122430	40.000
* 76 Perylene-d12	18.984	2991526	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #

Data File: S1E4515.D
Report Date: 26-May-2005 16:10

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
6.711	471954	6.47048138	130	0		0	23
1-Dodecanol				CAS #: 112-53-8			
10.082	1067371	14.1694661	280	91	NIST98.L	46855	41
Dodecyl acrylate				CAS #: 2156-97-0			
11.821	791574	10.1404867	200	90	NIST98.L	82423	58
Unknown				CAS #:			
22.473	6191825	82.7915251	1700	0		0	76

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4515.D

Date : 25-MAY-2005 14:15

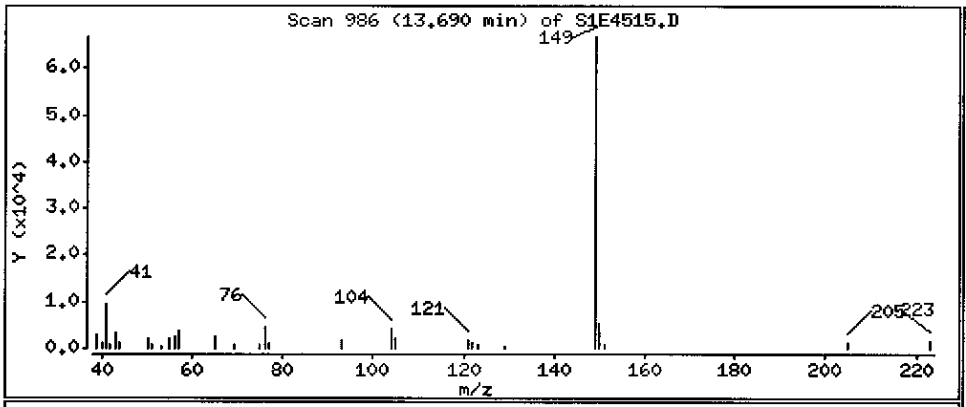
Client ID: B-390 Instrument: S1.i

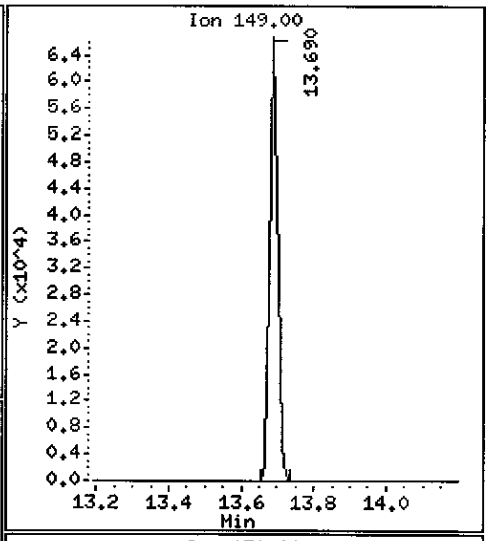
Sample Info: D0529-01A,,18109,,

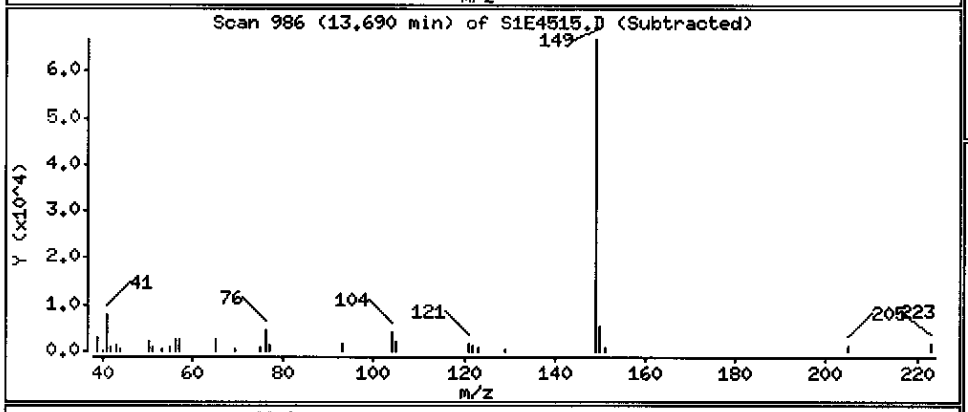
Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

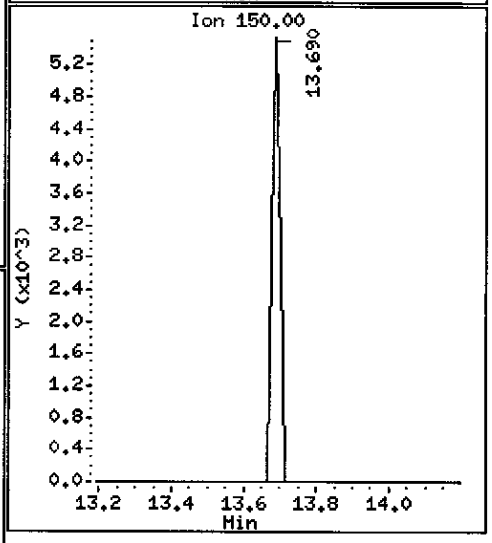
Column phase: DB-5MS Column diameter: 0.25

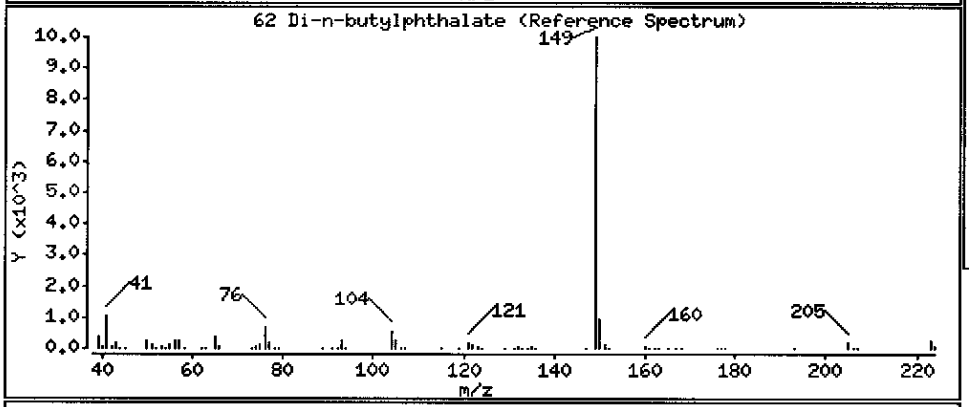
62 Di-n-butylphthalate Concentration: 47 ug/Kg

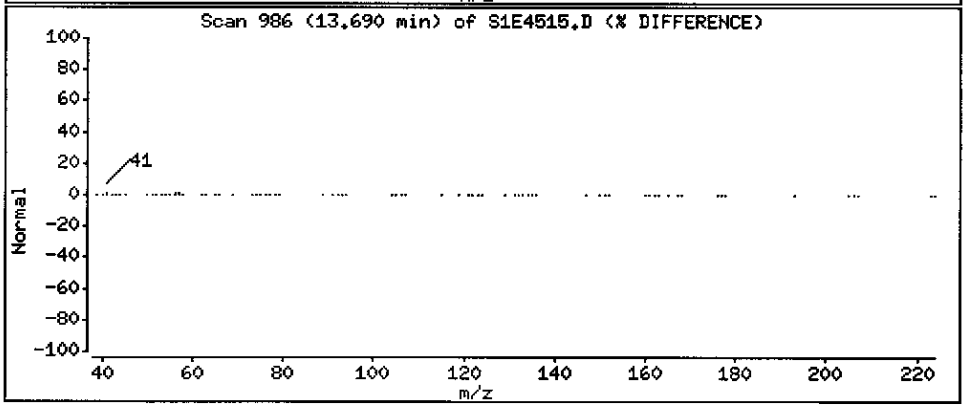












Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4515.D

Date : 25-MAY-2005 14:15

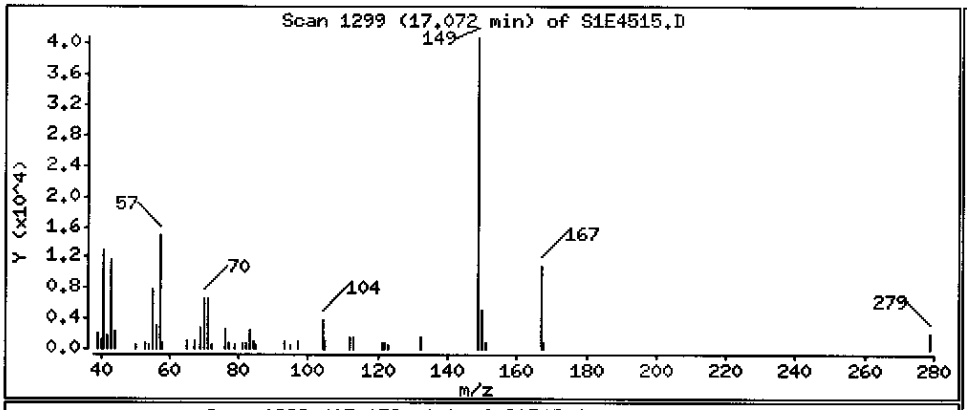
Client ID: B-390 Instrument: S1.i

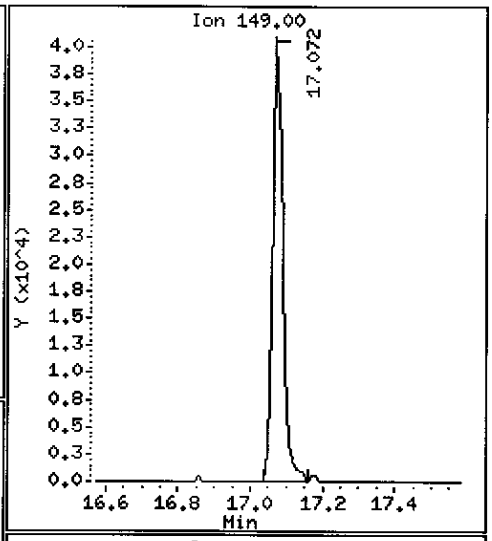
Sample Info: D0529-01A,,18109,,

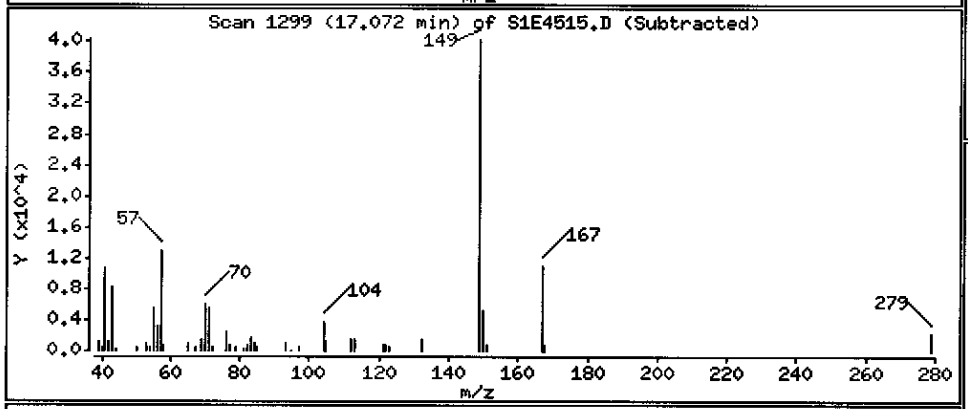
Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

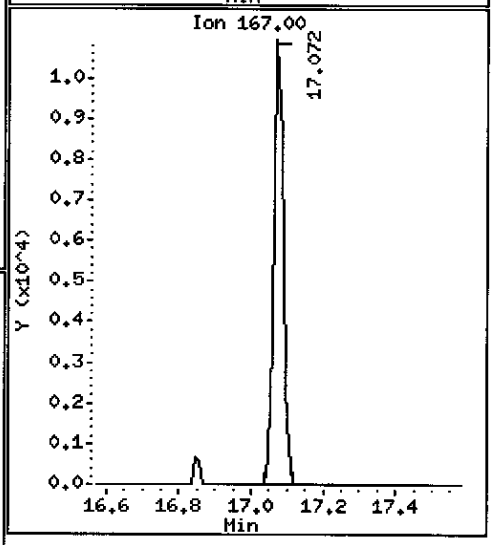
Column phase: DB-5MS Column diameter: 0.25

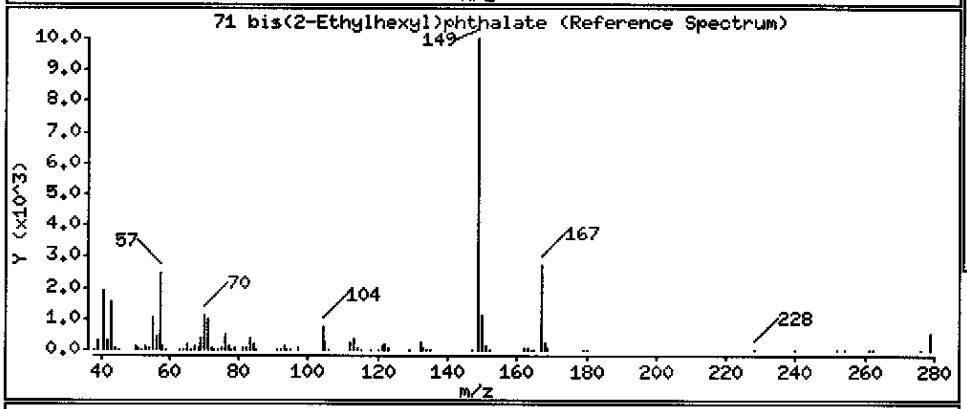
71 bis(2-Ethylhexyl)phthalate Concentration: 74 ug/Kg

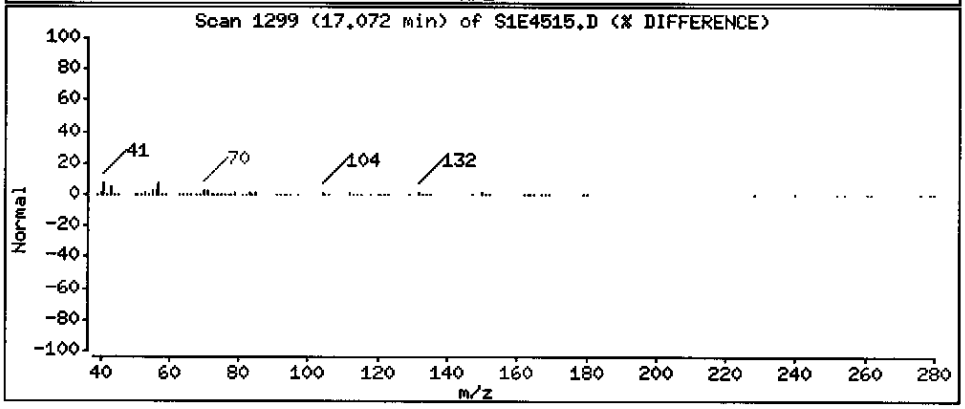












Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4515.D

Date : 25-MAY-2005 14:15

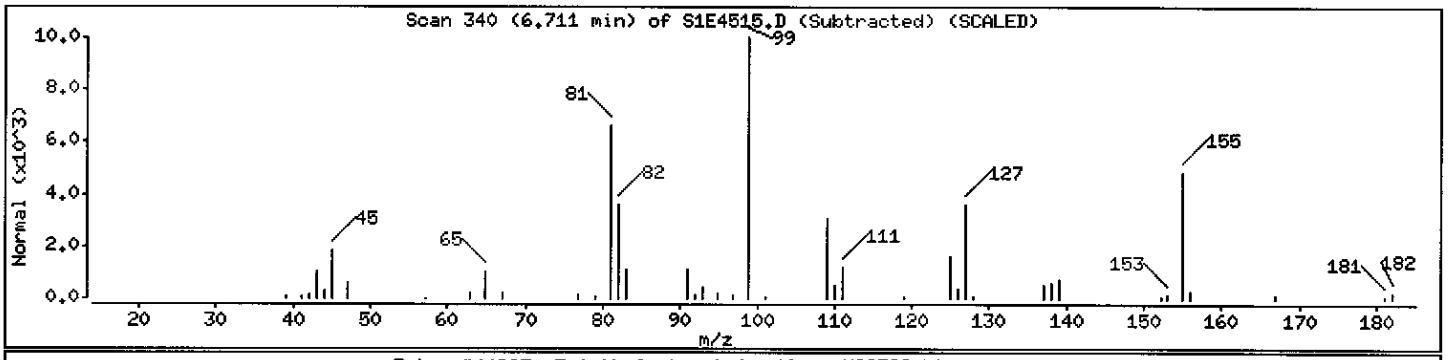
Client ID: B-390 Instrument: S1.i

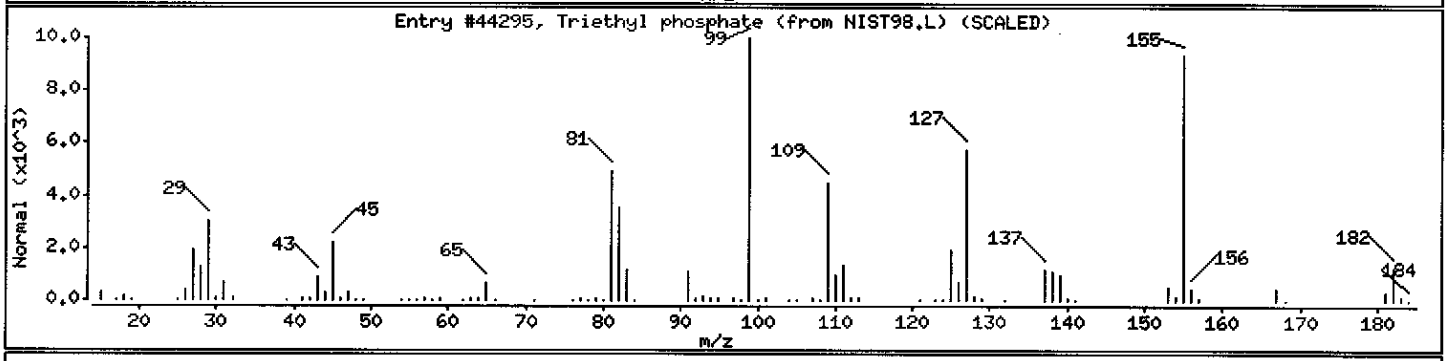
Sample Info: D0529-01A,,18109,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Triethyl phosphate	78-40-0	NIST98.L	44295	76	C6H15O4P	182





Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4515.D

Date : 25-MAY-2005 14:15

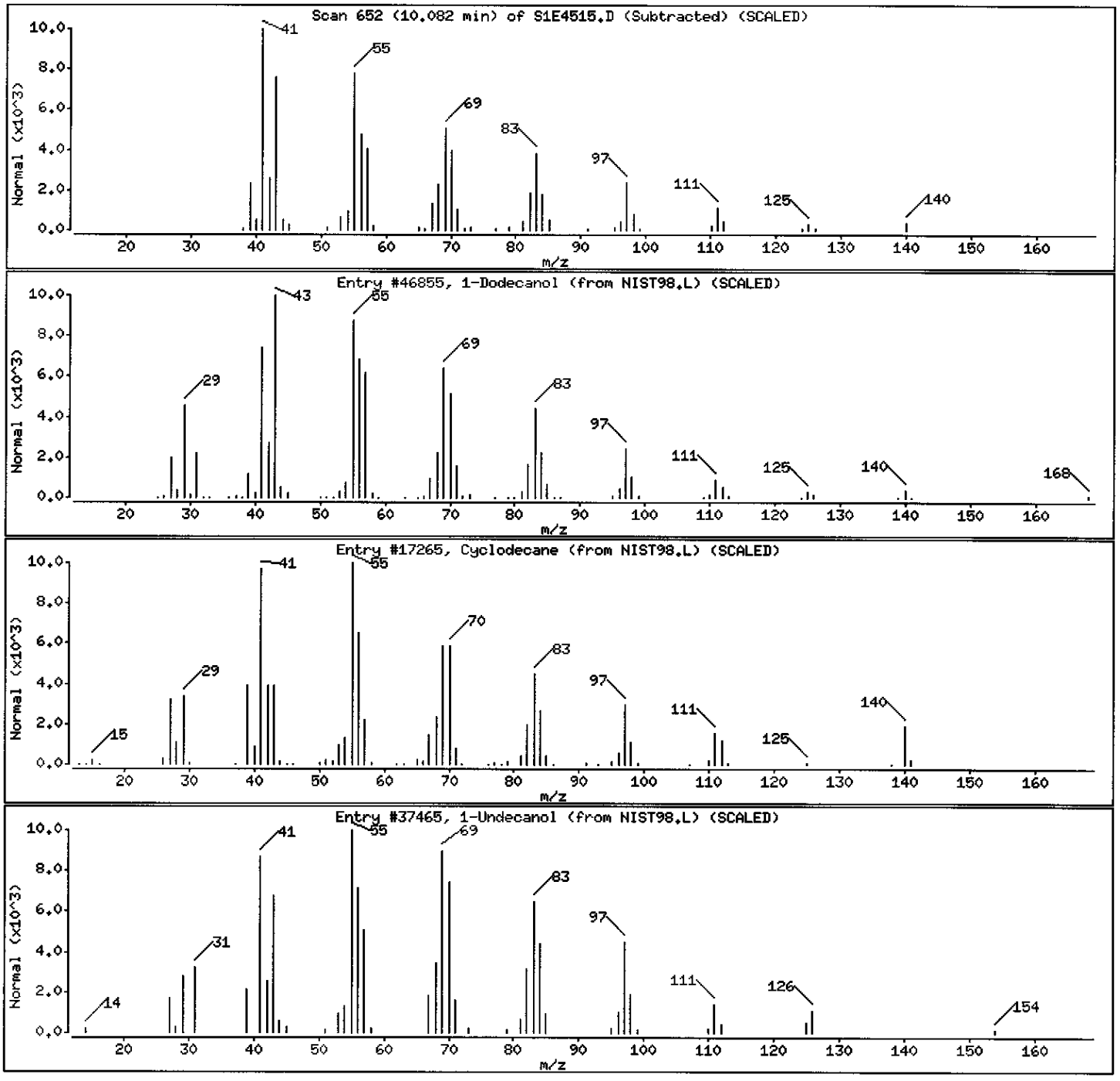
Client ID: B-390 Instrument: S1.i

Sample Info: D0529-01A,,18109,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Dodecanol	112-53-8	NIST98.L	46855	91	C12H26O	186
Cyclodecane	293-96-9	NIST98.L	17265	90	C10H20	140
1-Undecanol	112-42-5	NIST98.L	37465	90	C11H24O	172



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Date : 25-MAY-2005 14:15

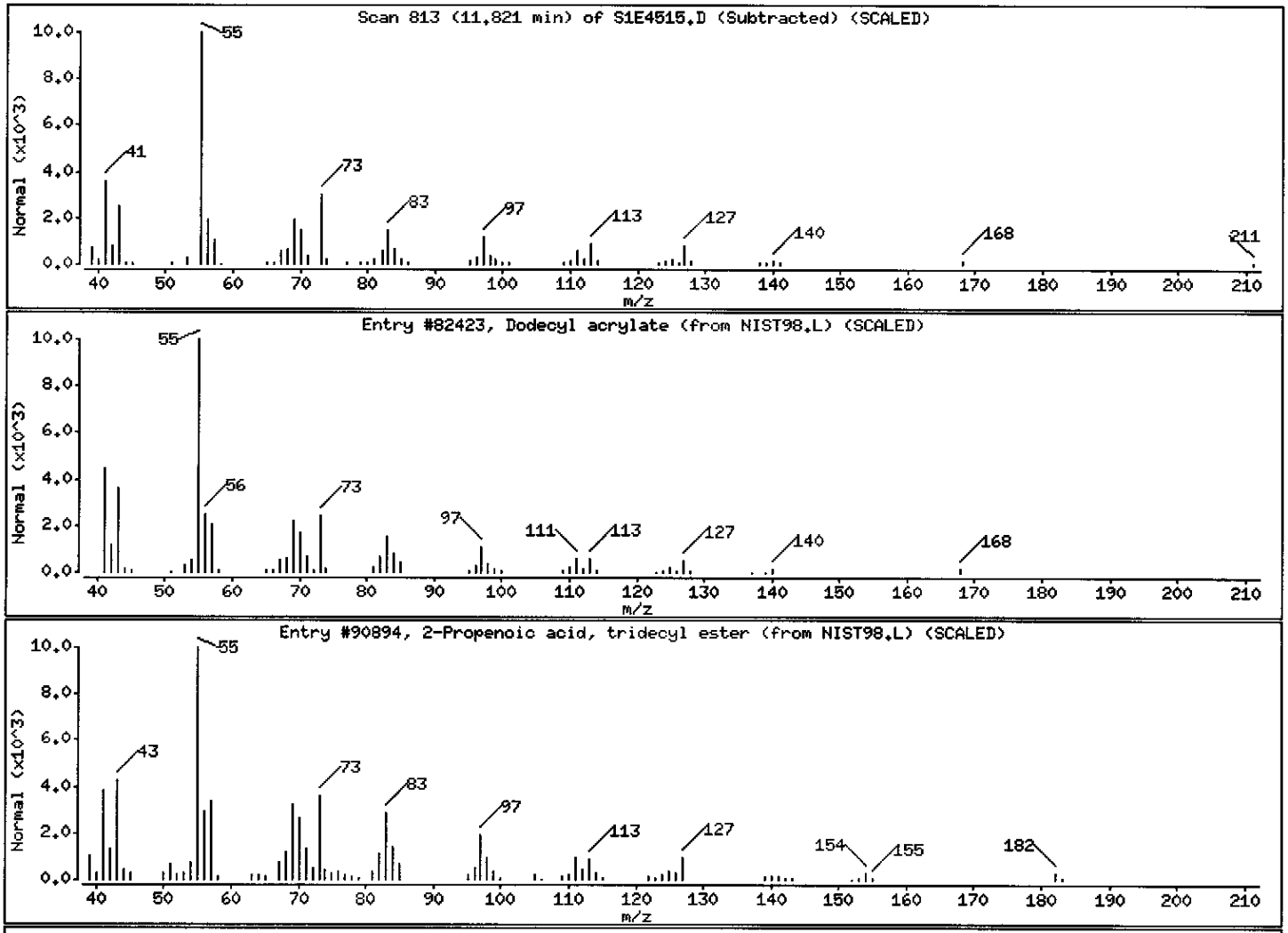
Client ID: B-390 Instrument: S1.i

Sample Info: D0529-01A,,18109,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dodecyl acrylate	2156-97-0	NIST98.L	82423	90	C15H2802	240
2-Propenoic acid, tridecyl ester	3076-04-8	NIST98.L	90894	72	C16H3002	254



Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4515.D

Date : 25-MAY-2005 14:15

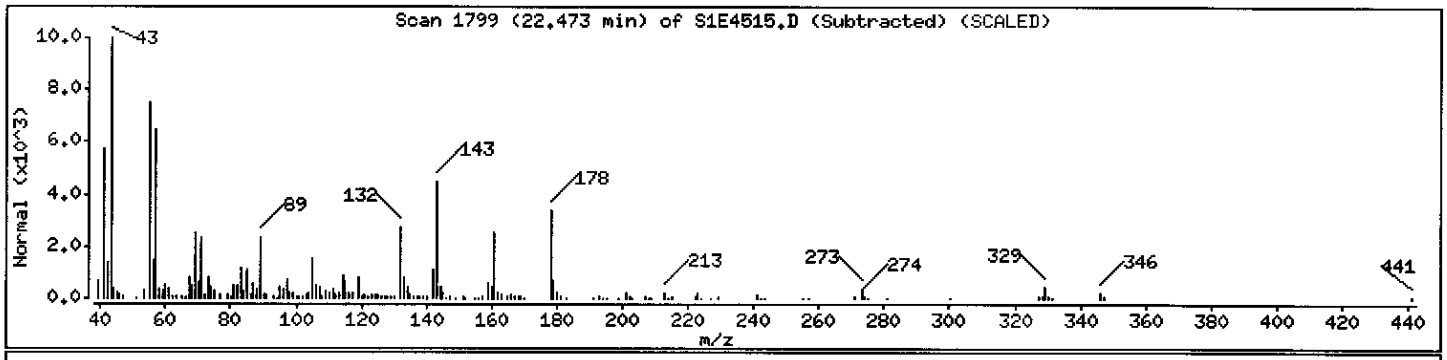
Client ID: B-390 Instrument: S1.i

Sample Info: D0529-01A,,18109,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSATE2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: D0529-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4516

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/12/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSATE2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: D0529-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4516

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/12/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RINSATE2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: D0529-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4516

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/12/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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19.					
20.					
21.					
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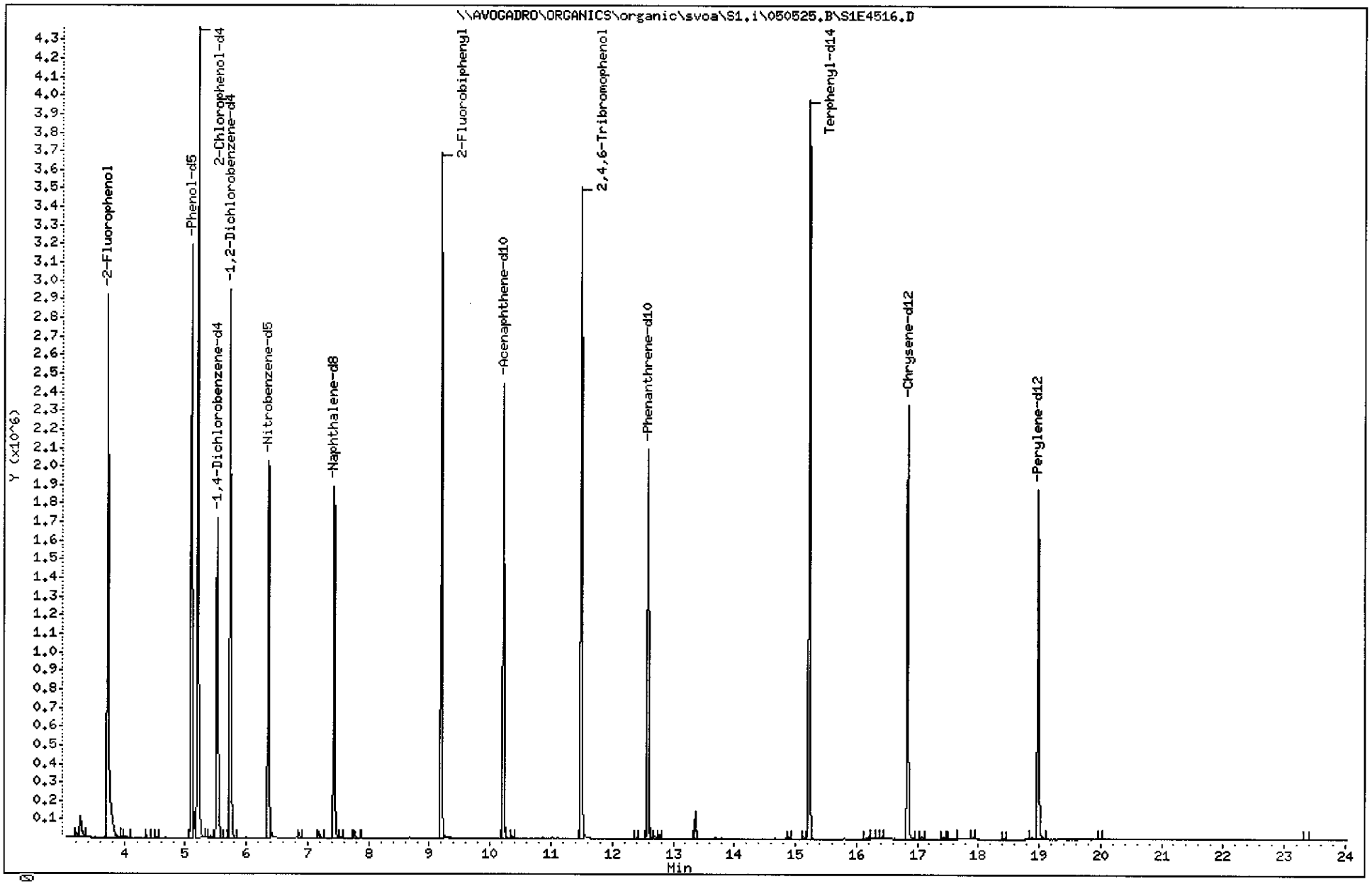
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4516.D
Date : 25-MAY-2005 14:49
Client ID: RINSATE2
Instrument: S1.i
Sample Info: D0529-03B,,18091,,
Volume Injected (uL): 2.0
Operator: AW SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



0347

Data File: S1E4516.D
Report Date: 26-May-2005 16:10

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4516.D
Lab Smp Id: D0529-03B Client Smp ID: RINSATE2
Inj Date : 25-MAY-2005 14:49
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0529-03B,,18091,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET1

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	1 2-Fluorophenol	112	3.727	3.726	(0.675)	1120103	110.239	55
$	3 Phenol-d5	99	5.099	5.098	(0.924)	1385541	121.623	61
$	6 2-Chlorophenol-d4	132	5.207	5.206	(0.943)	1466923	119.848	60
*	8 1,4-Dichlorobenzene-d4	152	5.520	5.520	(1.000)	370640	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.736	5.736	(1.039)	596155	68.6412	34
$	16 Nitrobenzene-d5	82	6.373	6.373	(0.858)	947687	85.2360	43
*	23 Naphthalene-d8	136	7.432	7.443	(1.000)	1294587	40.0000	
$	33 2-Fluorobiphenyl	172	9.193	9.204	(0.900)	1607635	73.4664	37
*	41 Acenaphthene-d10	164	10.220	10.219	(1.000)	714495	40.0000	
$	53 2,4,6-Tribromophenol	330	11.494	11.505	(0.913)	722375	113.886	57
*	58 Phenanthrene-d10	188	12.596	12.596	(1.000)	1188261	40.0000	
$	65 Terphenyl-d14	244	15.243	15.232	(0.904)	2002411	92.2578	46
*	69 Chrysene-d12	240	16.853	16.863	(1.000)	1154248	40.0000	
*	76 Perylene-d12	264	18.981	18.992	(1.000)	1034238	40.0000	

05/26/05 AJ

KC

Data File: S1E4516.D
Report Date: 26-May-2005 16:10

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4516.D
Lab Smp Id: D0529-03B Client Smp ID: RINSATE2
Inj Date : 25-MAY-2005 14:49
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0529-03B,,18091,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET1

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: S1 Calibration Date(s): 05/19/05 05/19/05

Calibration Times: 1315 1520

LAB FILE ID: RRF20 = S1E4489 RRF50 = S1E4487
RRF80 = S1E4490 RRF120= S1E4491 RRF160= S1E4488

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Benzaldehyde		0.532	0.614	0.559	0.522	0.284	0.502	25.3
Phenol	*	1.105	1.035	1.153	1.053	1.086	1.086	4.2*
bis(2-Chloroethyl)Ether	*	0.855	0.739	0.989	0.961	1.072	0.923	14.0*
2-Chlorophenol	*	1.190	1.114	1.213	1.118	1.166	1.160	3.8*
2-Methylphenol	*	0.778	0.767	0.872	0.767	0.834	0.804	5.9*
2,2'-oxybis(1-Chloropropane)		1.116	1.171	1.315	1.221	1.438	1.252	10.2
Acetophenone		1.264	1.239	1.357	1.309	1.327	1.299	3.7
4-Methylphenol	*	0.832	0.839	0.896	0.830	1.000	0.879	8.3*
N-Nitroso-di-n-propylamine	*	0.678	0.752	0.701	0.578	0.638	0.669	9.8*
Hexachloroethane	*	0.591	0.542	0.641	0.565	0.609	0.590	6.5*
Nitrobenzene	*	0.355	0.313	0.371	0.343	0.339	0.344	6.2*
Isophorone	*	0.560	0.517	0.634	0.576	0.585	0.574	7.3*
2-Nitrophenol	*	0.237	0.206	0.236	0.231	0.224	0.227	5.6*
2,4-Dimethylphenol	*	0.161	0.235	0.225	0.216	0.198	0.207	14.0*
bis(2-Chloroethoxy)methane	*	0.344	0.285	0.317	0.323	0.340	0.322	7.3*
2,4-Dichlorophenol	*	0.360	0.292	0.382	0.353	0.366	0.351	9.8*
Naphthalene	*	0.881	0.822	0.984	0.873	1.007	0.913	8.6*
4-Chloroaniline		0.356	0.294	0.276	0.283	0.167	0.275	24.9
Hexachlorobutadiene		0.265	0.222	0.285	0.265	0.267	0.261	9.0
Caprolactam		0.094	0.088	0.075	0.082	0.076	0.083	9.9
4-Chloro-3-Methylphenol	*	0.268	0.244	0.293	0.265	0.244	0.263	7.7*
2-Methylnaphthalene	*	0.680	0.514	0.677	0.642	0.688	0.640	11.4*
Hexachlorocyclopentadiene		0.255	0.481	0.422	0.411	0.435	0.401	21.5
2,4,6-Trichlorophenol	*	0.400	0.504	0.469	0.425	0.419	0.443	9.5*
2,4,5-Trichlorophenol	*		0.579	0.561	0.453	0.419	0.503	15.7*
1,1'-Biphenyl		1.382	1.448	1.628	1.499	1.433	1.478	6.3
2-Chloronaphthalene	*	1.172	1.135	1.336	1.129	1.091	1.173	8.2*
2-Nitroaniline			0.329	0.364	0.311	0.332	0.334	6.6
Dimethylphthalate		1.358	1.270	1.610	1.390	1.381	1.402	9.0
2,6-Dinitrotoluene	*	0.342	0.314	0.378	0.328	0.324	0.337	7.4*
Acenaphthylene	*	1.600	1.583	1.797	1.654	1.745	1.676	5.5*
3-Nitroaniline			0.292	0.348	0.297	0.293	0.308	8.8
Acenaphthene	*	0.997	1.014	1.212	1.081	1.120	1.085	8.0*
2,4-Dinitrophenol			0.232	0.316	0.259	0.268	0.269	13.0
4-Nitrophenol			0.186	0.238	0.208	0.204	0.209	10.5
Dibenzofuran	*	1.574	1.648	1.979	1.609	1.769	1.716	9.6*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6D

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: S1 Calibration Date(s): 05/19/05 05/19/05

Calibration Times: 1315 1520

LAB FILE ID: RRF20 = S1E4489 RRF50 = S1E4487
RRF80 = S1E4490 RRF120= S1E4491 RRF160= S1E4488

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
2,4-Dinitrotoluene	*	0.447	0.437	0.532	0.469	0.439	0.465	8.5*
Diethylphthalate		1.436	1.459	1.647	1.445	1.322	1.462	8.0
Fluorene	*	1.240	1.176	1.537	1.242	1.318	1.303	10.8*
4-Chlorophenyl-phenylether	*	0.669	0.617	0.722	0.686	0.640	0.667	6.1*
4-Nitroaniline			0.283	0.278	0.222	0.146	0.232	27.4
4,6-Dinitro-2-methylphenol			0.168	0.212	0.182	0.211	0.193	11.2
N-Nitrosodiphenylamine (1)		0.533	0.488	0.593	0.545	0.544	0.541	6.9
4-Bromophenyl-phenylether	*	0.266	0.240	0.288	0.254	0.281	0.266	7.3*
Hexachlorobenzene	*	0.316	0.294	0.350	0.324	0.334	0.324	6.4*
Atrazine		0.202	0.207	0.242	0.210	0.200	0.212	8.0
Pentachlorophenol	*		0.137	0.181	0.169	0.182	0.167	12.7*
Phenanthrene	*	1.144	0.969	1.248	1.108	1.122	1.118	8.9*
Anthracene	*	1.062	0.953	1.193	1.034	1.023	1.053	8.4*
Carbazole		0.968	0.764	1.002	0.884	0.922	0.908	10.1
Di-n-butylphthalate		1.514	1.385	1.605	1.414	1.450	1.474	5.9
Fluoranthene	*	1.199	1.067	1.330	1.140	1.170	1.181	8.2*
Pyrene	*	1.237	1.207	1.424	1.255	1.306	1.286	6.6*
Butylbenzylphthalate		0.614	0.564	0.695	0.646	0.685	0.641	8.3
3,3'-Dichlorobenzidine		0.292	0.316	0.346	0.318	0.239	0.302	13.2
Benzo(a)anthracene	*	1.246	1.093	1.360	1.210	1.275	1.237	7.9*
Chrysene	*	0.990	1.013	1.190	1.139	1.278	1.122	10.8*
bis(2-Ethylhexyl)phthalate		0.877	0.820	0.925	0.857	0.851	0.866	4.5
Di-n-octylphthalate		1.582	1.477	1.931	1.593	1.640	1.645	10.4
Benzo(b)fluoranthene	*	1.405	1.324	1.843	1.695	1.953	1.644	16.6*
Benzo(k)fluoranthene	*	1.431	1.271	1.446	1.695	1.953	1.559	17.2*
Benzo(a)pyrene	*	1.294	1.110	1.334	1.189	1.192	1.224	7.4*
Indeno(1,2,3-cd)pyrene	*	1.552	1.407	1.848	1.545	1.562	1.583	10.2*
Dibenzo(a,h)anthracene	*	1.272	1.163	1.477	1.221	1.275	1.282	9.2*
Benzo(g,h,i)perylene	*	1.317	1.197	1.534	1.234	1.254	1.307	10.2*
Nitrobenzene-d5	*	0.415	0.347	0.409	0.383	0.397	0.390	7.0*
2-Fluorobiphenyl	*	1.357	1.611	1.676	1.430	1.481	1.511	8.6*
Terphenyl-d14	*	0.950	0.839	1.036	0.983	1.021	0.966	8.1*
Phenol-d5	*	1.142	1.084	1.217	1.110	1.184	1.147	4.7*
2-Fluorophenol	*	1.420	1.116	1.175	1.053	1.132	1.179	12.0*
2,4,6-Tribromophenol		0.195	0.195	0.253	0.209	0.224	0.215	11.2
2-Chlorophenol-d4	*	1.378	1.152	1.364	1.257	1.343	1.299	7.3*
1,2-Dichlorobenzene-d4	*	0.976	0.859	1.036	0.907	0.931	0.942	7.1*

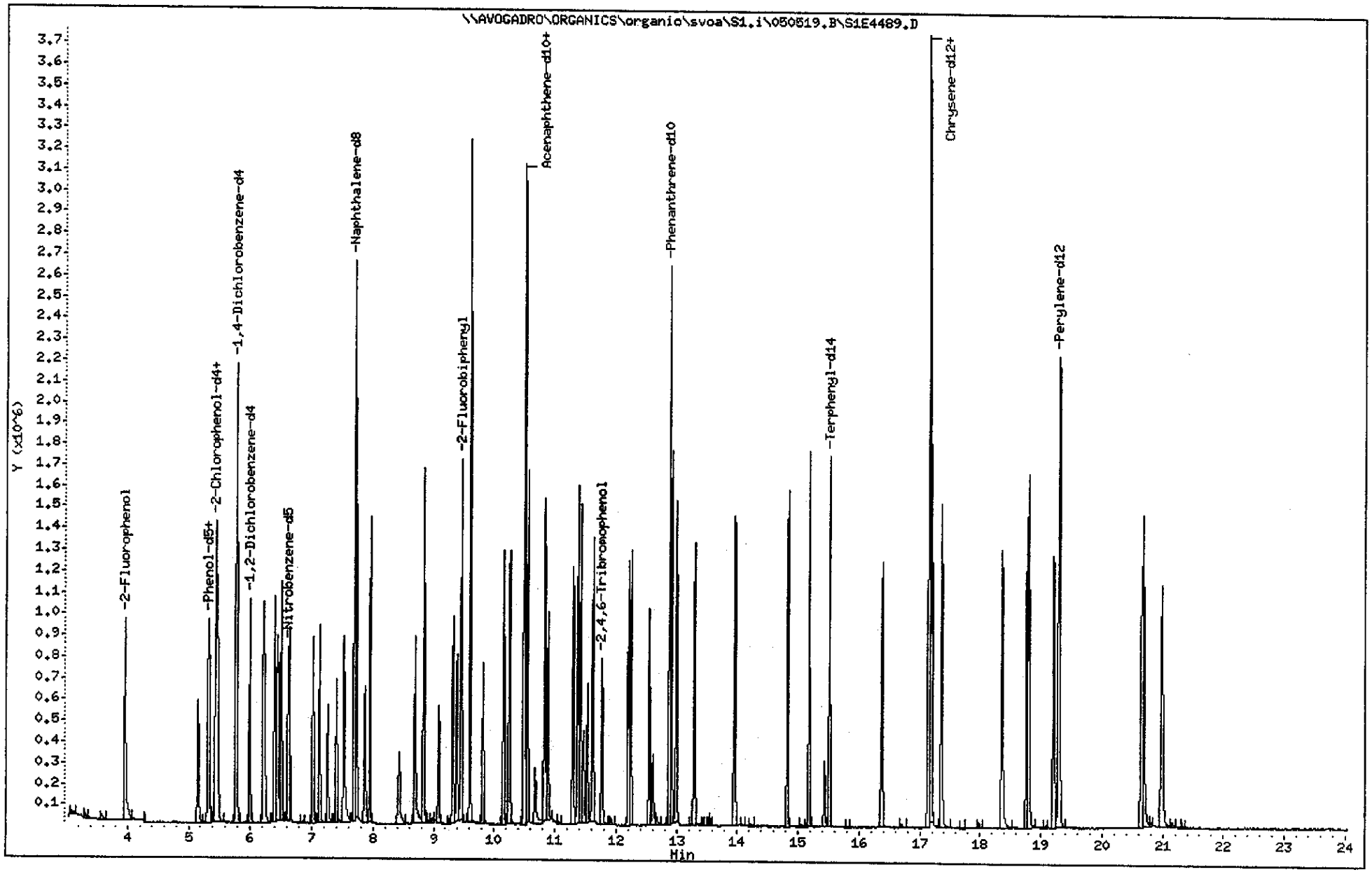
(1) Cannot be separated from Diphenylamine
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4489.D
Date : 19-MAY-2005 14:18
Client ID: SSTD0201V
Sample Info: SSTD0201V,SSTD0201V

Instrument: S1.i

Operator: KC SRC: KC
Column diameter: 0.25

Column phase: DB-5MS



Data File: S1E4489.D
Report Date: 19-May-2005 15:15

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4489.D
Lab Smp Id: SSTD0201V Client Smp ID: SSTD0201V
Inj Date : 19-MAY-2005 14:18
Operator : KC SRC: KC Inst ID: S1.i
Smp Info : SSTD0201V,SSTD0201V
Misc Info : 3,,DFTPP,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\s1_olm4_2_S.m
Meth Date : 19-May-2005 15:15 mtl Quant Type: ISTD
Cal Date : 19-MAY-2005 13:15 Cal File: S1E4487.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	1 2-Fluorophenol	112	3.952	3.953	(0.684)	388218	20.0000	23
	2 Benzaldehyde	77	5.152	5.163	(0.892)	145397	20.0000	22
$	3 Phenol-d5	99	5.314	5.314	(0.920)	312393	20.0000	20
	4 Phenol	94	5.324	5.336	(0.921)	302086	20.0000	21
	5 bis(2-Chloroethyl)Ether	93	5.432	5.444	(0.940)	233833	20.0000	19
$	6 2-Chlorophenol-d4	132	5.443	5.455	(0.942)	376884	20.0000	21
	7 2-Chlorophenol	128	5.465	5.476	(0.946)	325456	20.0000	21
*	8 1,4-Dichlorobenzene-d4	152	5.778	5.779	(1.000)	546907	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.994	5.995	(1.037)	266765	20.0000	21
	10 2-Methylphenol	108	6.210	6.211	(1.075)	212758	20.0000	20
	11 2,2'-oxybis(1-Chloropropane)	45	6.232	6.244	(1.079)	305124	20.0000	18
	12 Acetophenone	105	6.405	6.416	(1.108)	345623	20.0000	20
	13 4-Methylphenol	108	6.448	6.470	(1.116)	227386	20.0000	19
	14 N-Nitroso-di-n-propylamine	70	6.437	6.449	(1.114)	185481	20.0000	20
	15 Hexachloroethane	117	6.502	6.503	(1.125)	161631	20.0000	20
$	16 Nitrobenzene-d5	82	6.621	6.622	(0.860)	367415	20.0000	22
	17 Nitrobenzene	77	6.642	6.654	(0.863)	314380	20.0000	21
	18 Isophorone	82	7.031	7.043	(0.913)	495668	20.0000	20
	19 2-Nitrophenol	139	7.128	7.140	(0.926)	209905	20.0000	21
	20 2,4-Dimethylphenol	107	7.258	7.270	(0.942)	142668	20.0000	16
	21 bis(2-Chloroethoxy)methane	93	7.409	7.410	(0.962)	304017	20.0000	21
	22 2,4-Dichlorophenol	162	7.517	7.529	(0.976)	318647	20.0000	21
*	23 Naphthalene-d8	136	7.701	7.702	(1.000)	1769466	40.0000	
	24 Naphthalene	128	7.734	7.734	(1.004)	779288	20.0000	20
	25 4-Chloroaniline	127	7.863	7.864	(1.021)	314889	20.0000	26
	26 Hexachlorobutadiene	225	7.950	7.950	(1.032)	234881	20.0000	21

Data File: S1E4489.D
Report Date: 19-May-2005 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	27 Caprolactam	113	8.436	8.491	(1.095)	83490	20.0000	22
	28 4-Chloro-3-Methylphenol	107	8.695	8.707	(1.129)	236797	20.0000	21
	29 2-Methylnaphthalene	142	8.835	8.836	(1.147)	602050	20.0000	22
	30 Hexachlorocyclopentadiene	237	9.084	9.096	(0.865)	136808	20.0000	13
	31 2,4,6-Trichlorophenol	196	9.322	9.323	(0.888)	214871	20.0000	18
	32 2,4,5-Trichlorophenol	196	9.386	9.387	(0.894)	273304	20.0000	20
$	33 2-Fluorobiphenyl	172	9.451	9.463	(0.900)	729311	20.0000	18
	34 1,1'-Biphenyl	154	9.602	9.604	(0.915)	742579	20.0000	19
	35 2-Chloronaphthalene	162	9.602	9.614	(0.915)	629961	20.0000	21
	36 2-Nitroaniline	65	9.808	9.819	(0.934)	169338	20.0000	19
	37 Dimethylphthalate	163	10.154	10.165	(0.967)	729446	20.0000	20
	38 2,6-Dinitrotoluene	165	10.240	10.252	(0.975)	183595	20.0000	21
	39 Acenaphthylene	152	10.262	10.262	(0.977)	859591	20.0000	19
	40 3-Nitroaniline	138	10.488	10.500	(0.999)	163561	20.0000	21
*	41 Acenaphthene-d10	164	10.499	10.500	(1.000)	1074655	40.0000	
	42 Acenaphthene	153	10.542	10.554	(1.004)	535633	20.0000	19
	43 2,4-Dinitrophenol	184	10.672	10.684	(1.016)	87140	20.0000	13
	44 4-Nitrophenol	109	10.834	10.846	(1.032)	84373	20.0000	16
	45 Dibenzofuran	168	10.823	10.835	(1.031)	845859	20.0000	19
	46 2,4-Dinitrotoluene	165	10.877	10.889	(1.036)	240054	20.0000	20
	47 Diethylphthalate	149	11.299	11.310	(1.076)	771796	20.0000	20
	48 Fluorene	166	11.374	11.386	(1.083)	666170	20.0000	20
	49 4-Chlorophenyl-phenylether	204	11.418	11.429	(1.087)	359664	20.0000	21
	50 4-Nitroaniline	138	11.472	11.494	(1.093)	139003	20.0000	24
	51 4,6-Dinitro-2-methylphenol	198	11.526	11.548	(0.895)	157368	20.0000	18
	52 N-Nitrosodiphenylamine	169	11.623	11.635	(0.903)	478084	20.0000	20
$	53 2,4,6-Tribromophenol	330	11.763	11.775	(0.914)	175316	20.0000	19
	54 4-Bromophenyl-phenylether	248	12.195	12.207	(0.947)	238420	20.0000	20
	55 Hexachlorobenzene	284	12.249	12.261	(0.951)	283516	20.0000	20
	56 Atrazine	200	12.552	12.564	(0.975)	181166	20.0000	20
	57 Pentachlorophenol	266	12.606	12.607	(0.979)	111043	20.0000	16
*	58 Phenanthrene-d10	188	12.876	12.888	(1.000)	1794012	40.0000	
	59 Phenanthrene	178	12.919	12.920	(1.003)	1026367	20.0000	21
	60 Anthracene	178	12.995	13.007	(1.009)	952517	20.0000	21
	61 Carbazole	167	13.297	13.298	(1.033)	868142	20.0000	22
	62 Di-n-butylphthalate	149	13.967	13.968	(1.085)	1358019	20.0000	21
	63 Fluoranthene	202	14.831	14.832	(1.152)	1075823	20.0000	21
	64 Pyrene	202	15.177	15.189	(0.884)	1115835	20.0000	20
$	65 Terphenyl-d14	244	15.512	15.524	(0.904)	857168	20.0000	20
	66 Butylbenzylphthalate	149	16.376	16.377	(0.954)	554153	20.0000	20
	67 3,3'-Dichlorobenzidine	252	17.154	17.166	(0.999)	262945	20.0000	21
	68 Benzo(a)anthracene	228	17.133	17.144	(0.998)	1123561	20.0000	21
*	69 Chrysene-d12	240	17.165	17.166	(1.000)	1804069	40.0000	
	70 Chrysene	228	17.197	17.209	(1.002)	892672	20.0000	18
	71 bis(2-Ethylhexyl)phthalate	149	17.349	17.350	(1.011)	790658	20.0000	21
	72 Di-n-octylphthalate	149	18.353	18.365	(0.951)	1301975	20.0000	20
	73 Benzo(b)fluoranthene	252	18.764	18.776	(0.973)	1155731	20.0000	18

Data File: S1E4489.D
Report Date: 19-May-2005 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	74 Benzo(k)fluoranthene	252	18.807	18.819	(0.975)	1177053	20.0000	18
	75 Benzo(a)pyrene	252	19.218	19.219	(0.996)	1064731	20.0000	22
*	76 Perylene-d12	264	19.293	19.305	(1.000)	1645599	40.0000	
	77 Indeno(1,2,3-cd)pyrene	276	20.644	20.666	(1.070)	1277078	20.0000	21
	78 Dibenzo(a,h)anthracene	278	20.676	20.688	(1.072)	1046836	20.0000	21
	79 Benzo(g,h,i)perylene	276	20.979	21.001	(1.087)	1083760	20.0000	21

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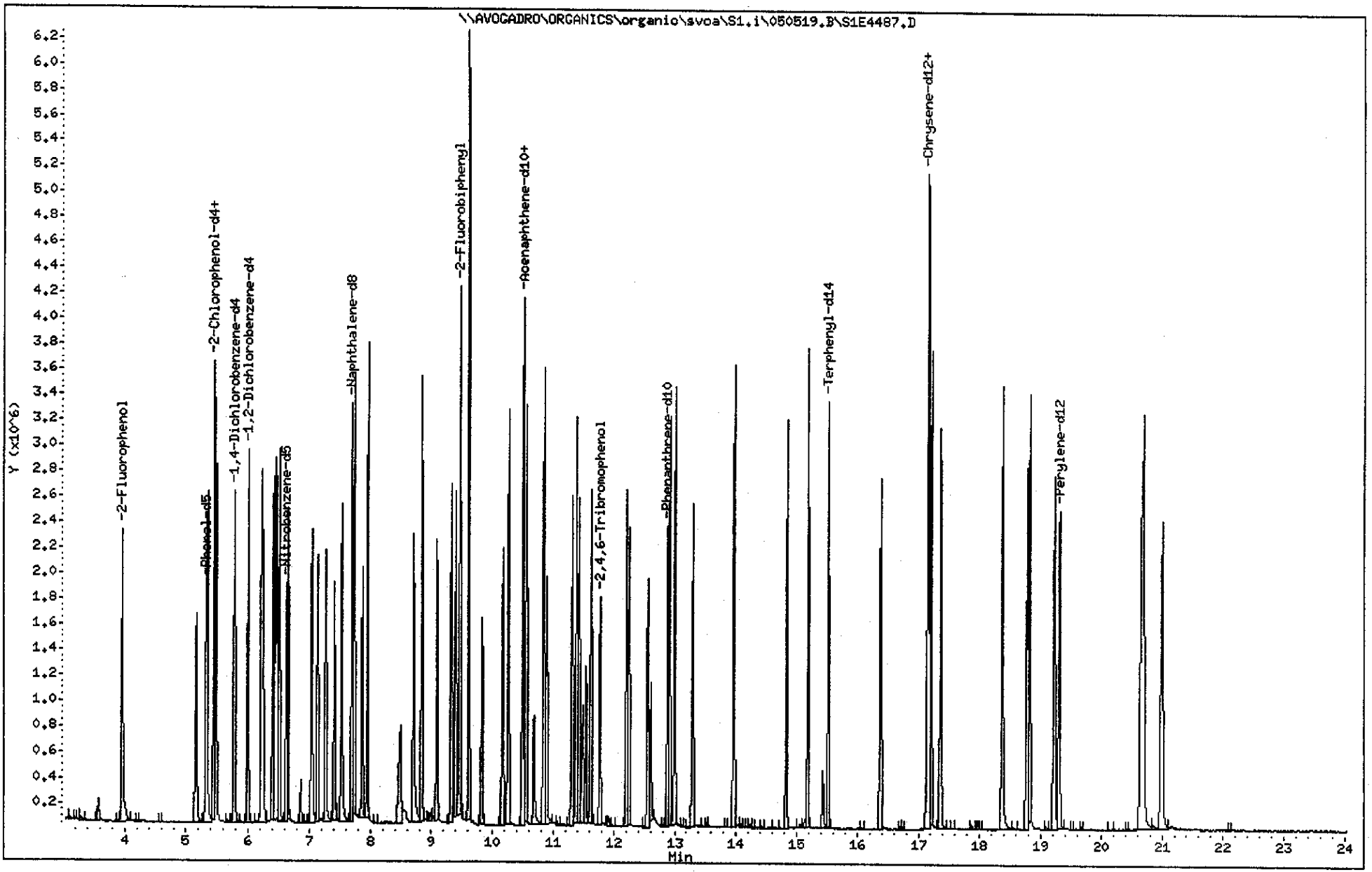
Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4487.D
Date : 19-MAY-2005 13:15
Client ID: SSTD0501V
Sample Info: SSTD0501V,SSTD0501V

Instrument: S1.i

Operator: KC SRC: KC
Column diameter: 0.25

Column phase: DB-5MS



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Data File: S1E4487.D
Report Date: 19-May-2005 15:15

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4487.D
Lab Smp Id: SSTD0501V Client Smp ID: SSTD0501V
Inj Date : 19-MAY-2005 13:15
Operator : KC SRC: KC Inst ID: S1.i
Smp Info : SSTD0501V,SSTD0501V
Misc Info : 3,,DFTPP,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\s1_olm4_2_S.m
Meth Date : 19-May-2005 15:15 mtl Quant Type: ISTD
Cal Date : 19-MAY-2005 13:15 Cal File: S1E4487.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	1 2-Fluorophenol	112	3.953	3.953	(0.684)	921640	50.0000	50
	2 Benzaldehyde	77	5.163	5.163	(0.893)	506993	50.0000	50
$	3 Phenol-d5	99	5.314	5.314	(0.920)	895869	50.0000	50
	4 Phenol	94	5.336	5.336	(0.923)	854822	50.0000	50
	5 bis(2-Chloroethyl)Ether	93	5.444	5.444	(0.942)	610272	50.0000	50
$	6 2-Chlorophenol-d4	132	5.455	5.455	(0.944)	951460	50.0000	50
	7 2-Chlorophenol	128	5.476	5.476	(0.948)	920136	50.0000	50
*	8 1,4-Dichlorobenzene-d4	152	5.779	5.779	(1.000)	660929	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.995	5.995	(1.037)	709968	50.0000	50
	10 2-Methylphenol	108	6.211	6.211	(1.075)	633399	50.0000	50
	11 2,2'-oxybis(1-Chloropropane)	45	6.244	6.244	(1.080)	967063	50.0000	50
	12 Acetophenone	105	6.416	6.416	(1.110)	1023875	50.0000	50
	13 4-Methylphenol	108	6.470	6.470	(1.120)	693125	50.0000	50
	14 N-Nitroso-di-n-propylamine	70	6.449	6.449	(1.116)	620911	50.0000	50
	15 Hexachloroethane	117	6.503	6.503	(1.125)	448075	50.0000	50
$	16 Nitrobenzene-d5	82	6.622	6.622	(0.860)	959633	50.0000	50
	17 Nitrobenzene	77	6.654	6.654	(0.864)	866053	50.0000	50
	18 Isophorone	82	7.043	7.043	(0.914)	1430160	50.0000	50
	19 2-Nitrophenol	139	7.140	7.140	(0.927)	570079	50.0000	50
	20 2,4-Dimethylphenol	107	7.270	7.270	(0.944)	650086	50.0000	50
	21 bis(2-Chloroethoxy)methane	93	7.410	7.410	(0.962)	786919	50.0000	50
	22 2,4-Dichlorophenol	162	7.529	7.529	(0.978)	808832	50.0000	50
*	23 Naphthalene-d8	136	7.702	7.702	(1.000)	2212403	40.0000	
	24 Naphthalene	128	7.734	7.734	(1.004)	2273397	50.0000	50
	25 4-Chloroaniline	127	7.864	7.864	(1.021)	814201	50.0000	50
	26 Hexachlorobutadiene	225	7.950	7.950	(1.032)	612833	50.0000	50

Data File: S1E4487.D
Report Date: 19-May-2005 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	27 Caprolactam	113	8.491	8.491	(1.102)	241992	50.0000	50
	28 4-Chloro-3-Methylphenol	107	8.707	8.707	(1.130)	675722	50.0000	50
	29 2-Methylnaphthalene	142	8.836	8.836	(1.147)	1420181	50.0000	50
	30 Hexachlorocyclopentadiene	237	9.096	9.096	(0.866)	577193	50.0000	50
	31 2,4,6-Trichlorophenol	196	9.323	9.323	(0.888)	604618	50.0000	50
	32 2,4,5-Trichlorophenol	196	9.387	9.387	(0.894)	693976	50.0000	50
$	33 2-Fluorobiphenyl	172	9.463	9.463	(0.901)	1931689	50.0000	50
	34 1,1'-Biphenyl	154	9.604	9.604	(0.915)	1736124	50.0000	50
	35 2-Chloronaphthalene	162	9.614	9.614	(0.916)	1360839	50.0000	50
	36 2-Nitroaniline	65	9.819	9.819	(0.935)	394977	50.0000	50
	37 Dimethylphthalate	163	10.165	10.165	(0.968)	1523338	50.0000	50
	38 2,6-Dinitrotoluene	165	10.252	10.252	(0.976)	376013	50.0000	50
	39 Acenaphthylene	152	10.262	10.262	(0.977)	1898511	50.0000	50
	40 3-Nitroaniline	138	10.500	10.500	(1.000)	350366	50.0000	50
*	41 Acenaphthene-d10	164	10.500	10.500	(1.000)	959438	40.0000	
	42 Acenaphthene	153	10.554	10.554	(1.005)	1215676	50.0000	50
	43 2,4-Dinitrophenol	184	10.684	10.684	(1.017)	277734	50.0000	50
	44 4-Nitrophenol	109	10.846	10.846	(1.033)	222899	50.0000	50
	45 Dibenzofuran	168	10.835	10.835	(1.032)	1976179	50.0000	50
	46 2,4-Dinitrotoluene	165	10.889	10.889	(1.037)	524385	50.0000	50
	47 Diethylphthalate	149	11.310	11.310	(1.077)	1749538	50.0000	50
	48 Fluorene	166	11.386	11.386	(1.084)	1409840	50.0000	50
	49 4-Chlorophenyl-phenylether	204	11.429	11.429	(1.088)	740157	50.0000	50
	50 4-Nitroaniline	138	11.494	11.494	(1.095)	339596	50.0000	50
	51 4,6-Dinitro-2-methylphenol	198	11.548	11.548	(0.896)	354395	50.0000	50
	52 N-Nitrosodiphenylamine	169	11.635	11.635	(0.903)	1026078	50.0000	50
$	53 2,4,6-Tribromophenol	330	11.775	11.775	(0.914)	410265	50.0000	50
	54 4-Bromophenyl-phenylether	248	12.207	12.207	(0.947)	505166	50.0000	50
	55 Hexachlorobenzene	284	12.261	12.261	(0.951)	618167	50.0000	50
	56 Atrazine	200	12.564	12.564	(0.975)	435505	50.0000	50
	57 Pentachlorophenol	266	12.607	12.607	(0.978)	287403	50.0000	50
*	58 Phenanthrene-d10	188	12.888	12.888	(1.000)	1683466	40.0000	
	59 Phenanthrene	178	12.920	12.920	(1.002)	2039691	50.0000	50
	60 Anthracene	178	13.007	13.007	(1.009)	2005166	50.0000	50
	61 Carbazole	167	13.298	13.298	(1.032)	1608179	50.0000	50
	62 Di-n-butylphthalate	149	13.968	13.968	(1.084)	2915370	50.0000	50
	63 Fluoranthene	202	14.832	14.832	(1.151)	2245804	50.0000	50
	64 Pyrene	202	15.189	15.189	(0.885)	2523032	50.0000	50
$	65 Terphenyl-d14	244	15.524	15.524	(0.904)	1754488	50.0000	50
	66 Butylbenzylphthalate	149	16.377	16.377	(0.954)	1179872	50.0000	50
	67 3,3'-Dichlorobenzidine	252	17.166	17.166	(1.000)	660642	50.0000	50
	68 Benzo(a)anthracene	228	17.144	17.144	(0.999)	2286046	50.0000	50
*	69 Chrysene-d12	240	17.166	17.166	(1.000)	1672809	40.0000	
	70 Chrysene	228	17.209	17.209	(1.003)	2118623	50.0000	50
	71 bis(2-Ethylhexyl)phthalate	149	17.350	17.350	(1.011)	1714203	50.0000	50
	72 Di-n-octylphthalate	149	18.365	18.365	(0.951)	3006265	50.0000	50
	73 Benzo(b)fluoranthene	252	18.776	18.776	(0.973)	2695470	50.0000	50

Data File: S1E4487.D
Report Date: 19-May-2005 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
74	Benzo(k)fluoranthene	252	18.819	18.819	(0.975)	2587642	50.0000	50
75	Benzo(a)pyrene	252	19.219	19.219	(0.996)	2259105	50.0000	50
* 76	Perylene-d12	264	19.305	19.305	(1.000)	1628797	40.0000	
77	Indeno(1,2,3-cd)pyrene	276	20.666	20.666	(1.071)	2863876	50.0000	50
78	Dibenzo(a,h)anthracene	278	20.688	20.688	(1.072)	2368881	50.0000	50
79	Benzo(g,h,i)perylene	276	21.001	21.001	(1.088)	2436909	50.0000	50

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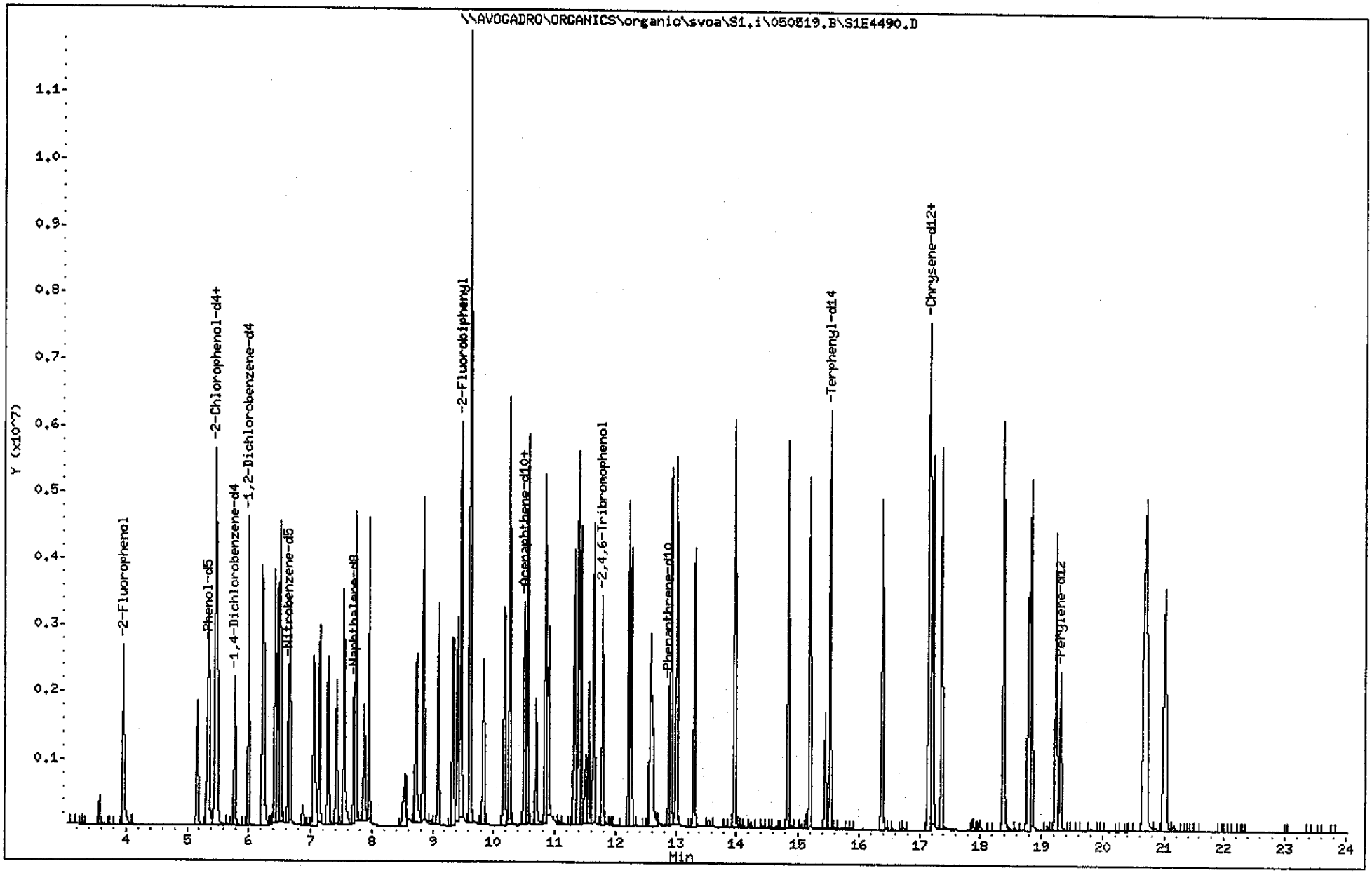
5/19/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4490.D
Date : 19-MAY-2005 14:49
Client ID: SSTD0801V
Sample Info: SSTD0801V,SSTD0801V

Instrument: S1.i

Operator: KC SRC: KC
Column diameter: 0.25

Column phase: DB-5MS



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Data File: S1E4490.D
Report Date: 19-May-2005 15:15

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4490.D
Lab Smp Id: SSTD0801V Client Smp ID: SSTD0801V
Inj Date : 19-MAY-2005 14:49
Operator : KC SRC: KC Inst ID: S1.i
Smp Info : SSTD0801V,SSTD0801V
Misc Info : 3,,DFTPP,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\s1_olm4_2_S.m
Meth Date : 19-May-2005 15:15 mtl Quant Type: ISTD
Cal Date : 19-MAY-2005 13:15 Cal File: S1E4487.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	1 2-Fluorophenol	112	3.952	3.953	(0.684)	1176838	80.0000	78
	2 Benzaldehyde	77	5.162	5.163	(0.893)	559986	80.0000	90
$	3 Phenol-d5	99	5.335	5.314	(0.923)	1218684	80.0000	84
	4 Phenol	94	5.356	5.336	(0.927)	1153927	80.0000	84
	5 bis(2-Chloroethyl)Ether	93	5.465	5.444	(0.946)	989732	80.0000	87
$	6 2-Chlorophenol-d4	132	5.454	5.455	(0.944)	1365808	80.0000	83
	7 2-Chlorophenol	128	5.486	5.476	(0.950)	1213969	80.0000	83
*	8 1,4-Dichlorobenzene-d4	152	5.778	5.779	(1.000)	500593	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.994	5.995	(1.037)	1036782	80.0000	87
	10 2-Methylphenol	108	6.221	6.211	(1.077)	873146	80.0000	86
	11 2,2'-oxybis(1-Chloropropane)	45	6.242	6.244	(1.080)	1316558	80.0000	84
	12 Acetophenone	105	6.426	6.416	(1.112)	1358238	80.0000	84
	13 4-Methylphenol	108	6.480	6.470	(1.122)	896849	80.0000	80
	14 N-Nitroso-di-n-propylamine	70	6.469	6.449	(1.120)	701878	80.0000	81
	15 Hexachloroethane	117	6.512	6.503	(1.127)	642075	80.0000	86
$	16 Nitrobenzene-d5	82	6.642	6.622	(0.861)	1329313	80.0000	83
	17 Nitrobenzene	77	6.675	6.654	(0.866)	1204218	80.0000	86
	18 Isophorone	82	7.053	7.043	(0.915)	2059720	80.0000	88
	19 2-Nitrophenol	139	7.150	7.140	(0.927)	768329	80.0000	84
	20 2,4-Dimethylphenol	107	7.279	7.270	(0.944)	731761	80.0000	88
	21 bis(2-Chloroethoxy)methane	93	7.420	7.410	(0.962)	1029292	80.0000	79
	22 2,4-Dichlorophenol	162	7.539	7.529	(0.978)	1242667	80.0000	87
*	23 Naphthalene-d8	136	7.712	7.702	(1.000)	1625092	40.0000	
	24 Naphthalene	128	7.744	7.734	(1.004)	3199643	80.0000	85
	25 4-Chloroaniline	127	7.874	7.864	(1.021)	896844	80.0000	81
	26 Hexachlorobutadiene	225	7.960	7.950	(1.032)	925399	80.0000	88

Data File: S1E4490.D
Report Date: 19-May-2005 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	27 Caprolactam	113	8.554	8.491	(1.109)	242849	80.0000	72
	28 4-Chloro-3-Methylphenol	107	8.738	8.707	(1.133)	952791	80.0000	89
	29 2-Methylnaphthalene	142	8.846	8.836	(1.147)	2200924	80.0000	85
	30 Hexachlorocyclopentadiene	237	9.095	9.096	(0.866)	758835	80.0000	85
	31 2,4,6-Trichlorophenol	196	9.343	9.323	(0.890)	843287	80.0000	84
	32 2,4,5-Trichlorophenol	196	9.408	9.387	(0.896)	1009733	80.0000	86
$	33 2-Fluorobiphenyl	172	9.473	9.463	(0.902)	3015537	80.0000	88
	34 1,1'-Biphenyl	154	9.624	9.604	(0.917)	2929748	80.0000	88
	35 2-Chloronaphthalene	162	9.624	9.614	(0.917)	2403905	80.0000	90
	36 2-Nitroaniline	65	9.840	9.819	(0.937)	654727	80.0000	85
	37 Dimethylphthalate	163	10.186	10.165	(0.970)	2896330	80.0000	92
	38 2,6-Dinitrotoluene	165	10.272	10.252	(0.978)	680216	80.0000	89
	39 Acenaphthylene	152	10.272	10.262	(0.978)	3233699	80.0000	86
	40 3-Nitroaniline	138	10.521	10.500	(1.002)	625433	80.0000	89
*	41 Acenaphthene-d10	164	10.499	10.500	(1.000)	899615	40.0000	
	42 Acenaphthene	153	10.564	10.554	(1.006)	2181420	80.0000	89
	43 2,4-Dinitrophenol	184	10.693	10.684	(1.019)	567934	80.0000	93
	44 4-Nitrophenol	109	10.877	10.846	(1.036)	429094	80.0000	91
	45 Dibenzofuran	168	10.845	10.835	(1.033)	3561021	80.0000	91
	46 2,4-Dinitrotoluene	165	10.909	10.889	(1.039)	956837	80.0000	92
	47 Diethylphthalate	149	11.331	11.310	(1.079)	2962778	80.0000	90
	48 Fluorene	166	11.396	11.386	(1.085)	2765161	80.0000	93
	49 4-Chlorophenyl-phenylether	204	11.439	11.429	(1.090)	1299628	80.0000	87
	50 4-Nitroaniline	138	11.514	11.494	(1.097)	500775	80.0000	94
	51 4,6-Dinitro-2-methylphenol	198	11.569	11.548	(0.898)	687538	80.0000	86
	52 N-Nitrosodiphenylamine	169	11.644	11.635	(0.904)	1924050	80.0000	88
$	53 2,4,6-Tribromophenol	330	11.785	11.775	(0.914)	820415	80.0000	93
	54 4-Bromophenyl-phenylether	248	12.217	12.207	(0.948)	933310	80.0000	86
	55 Hexachlorobenzene	284	12.271	12.261	(0.952)	1134476	80.0000	87
	56 Atrazine	200	12.584	12.564	(0.977)	784393	80.0000	91
	57 Pentachlorophenol	266	12.616	12.607	(0.979)	586568	80.0000	87
*	58 Phenanthrene-d10	188	12.887	12.888	(1.000)	1622798	40.0000	
	59 Phenanthrene	178	12.941	12.920	(1.004)	4051498	80.0000	89
	60 Anthracene	178	13.016	13.007	(1.010)	3871263	80.0000	90
	61 Carbazole	167	13.319	13.298	(1.034)	3251436	80.0000	88
	62 Di-n-butylphthalate	149	13.978	13.968	(1.085)	5209073	80.0000	86
	63 Fluoranthene	202	14.853	14.832	(1.153)	4316485	80.0000	89
	64 Pyrene	202	15.209	15.189	(0.886)	4630901	80.0000	88
$	65 Terphenyl-d14	244	15.533	15.524	(0.904)	3371322	80.0000	86
	66 Butylbenzylphthalate	149	16.387	16.377	(0.954)	2259859	80.0000	87
	67 3,3'-Dichlorobenzidine	252	17.176	17.166	(1.000)	1124550	80.0000	93
	68 Benzo(a)anthracene	228	17.165	17.144	(0.999)	4423844	80.0000	87
*	69 Chrysene-d12	240	17.176	17.166	(1.000)	1626446	40.0000	
	70 Chrysene	228	17.230	17.209	(1.003)	3871318	80.0000	85
	71 bis(2-Ethylhexyl)phthalate	149	17.359	17.350	(1.011)	3009014	80.0000	85
	72 Di-n-octylphthalate	149	18.375	18.365	(0.952)	5507301	80.0000	93
	73 Benzo(b)fluoranthene	252	18.796	18.776	(0.974)	5255379	80.0000	90

Data File: S1E4490.D
Report Date: 19-May-2005 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	74 Benzo(k)fluoranthene	252	18.839	18.819	(0.976)	4122137	80.0000	76
	75 Benzo(a)pyrene	252	19.239	19.219	(0.997)	3804540	80.0000	87
*	76 Perylene-d12	264	19.304	19.305	(1.000)	1425774	40.0000	
	77 Indeno(1,2,3-cd)pyrene	276	20.687	20.666	(1.072)	5270345	80.0000	93
	78 Dibenzo(a,h)anthracene	278	20.719	20.688	(1.073)	4212853	80.0000	91
	79 Benzo(g,h,i)perylene	276	21.032	21.001	(1.090)	4372854	80.0000	93

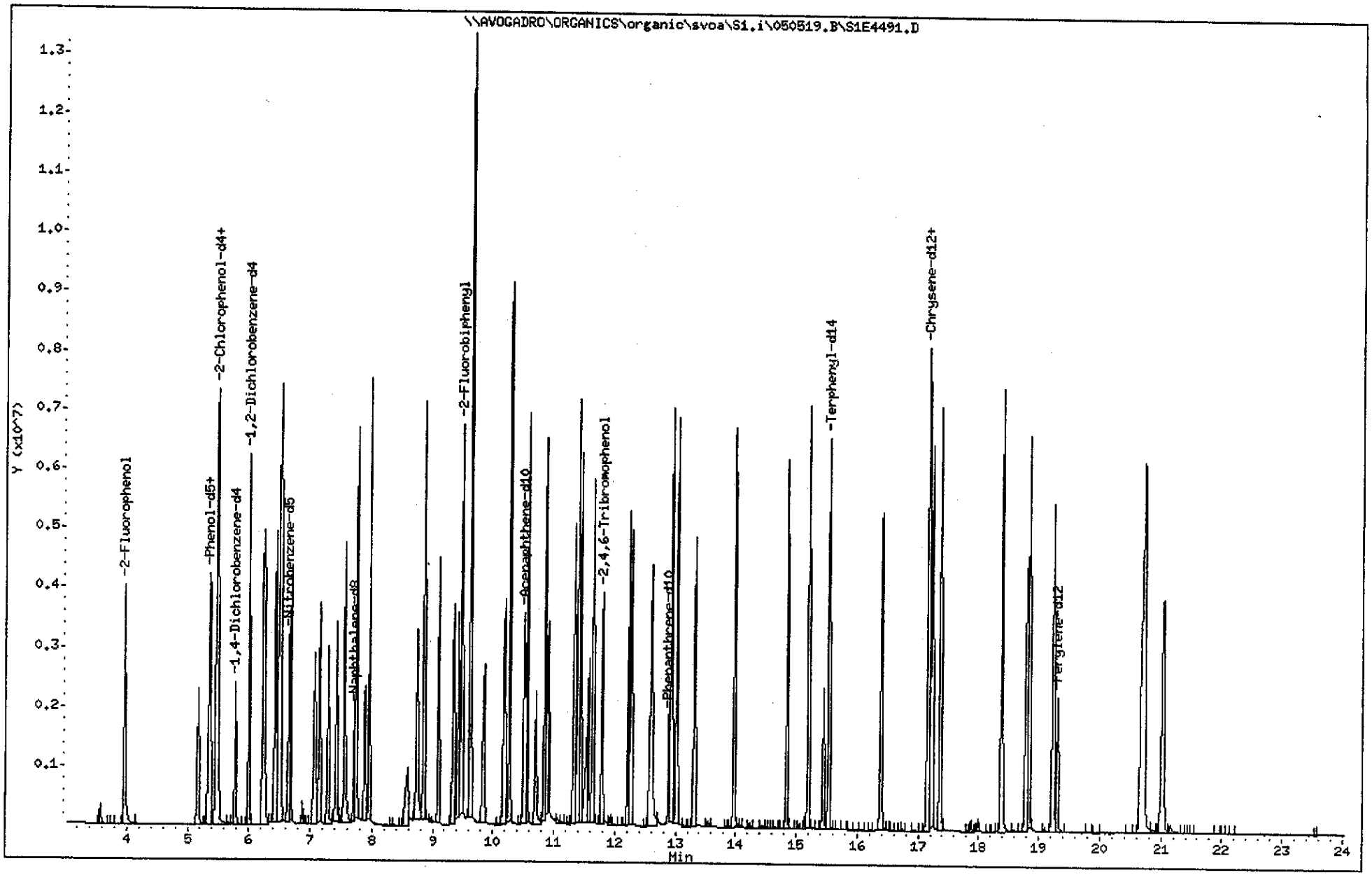
KC
5/19/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4491.D
Date : 19-MAY-2005 15:20
Client ID: SSTD1201V
Sample Info: SSTD1201V,SSTD1201V

Instrument: S1.i

Operator: KC SRC: KC
Column diameter: 0.25

Column phase: DB-5MS



0324

Data File: S1E4491.D
Report Date: 19-May-2005 15:51

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4491.D
Lab Smp Id: SSTD1201V Client Smp ID: SSTD1201V
Inj Date : 19-MAY-2005 15:20
Operator : KC SRC: KC Inst ID: S1.i
Smp Info : SSTD1201V,SSTD1201V
Misc Info : 3,,DFTPP,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\s1_olm4_2_S.m
Meth Date : 19-May-2005 15:51 mtl Quant Type: ISTD
Cal Date : 19-MAY-2005 13:15 Cal File: S1E4487.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	1 2-Fluorophenol	112	3.963	3.953	(0.686)	1605230	120.000	110
	2 Benzaldehyde	77	5.173	5.163	(0.895)	795641	120.000	120
$	3 Phenol-d5	99	5.356	5.314	(0.927)	1692093	120.000	120
	4 Phenol	94	5.367	5.336	(0.929)	1604485	120.000	120
	5 bis(2-Chloroethyl)Ether	93	5.475	5.444	(0.948)	1464724	120.000	120
$	6 2-Chlorophenol-d4	132	5.464	5.455	(0.946)	1915127	120.000	120
	7 2-Chlorophenol	128	5.497	5.476	(0.951)	1703399	120.000	120
*	8 1,4-Dichlorobenzene-d4	152	5.778	5.779	(1.000)	508047	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	6.005	5.995	(1.039)	1382551	120.000	120
	10 2-Methylphenol	108	6.231	6.211	(1.079)	1169656	120.000	110
	11 2,2'-oxybis(1-Chloropropane)	45	6.242	6.244	(1.080)	1860388	120.000	120
	12 Acetophenone	105	6.437	6.416	(1.114)	1994450	120.000	120
	13 4-Methylphenol	108	6.502	6.470	(1.125)	1265758	120.000	110
	14 N-Nitroso-di-n-propylamine	70	6.480	6.449	(1.122)	880856	120.000	100
	15 Hexachloroethane	117	6.512	6.503	(1.127)	861568	120.000	120
$	16 Nitrobenzene-d5	82	6.653	6.622	(0.863)	1826639	120.000	120
	17 Nitrobenzene	77	6.685	6.654	(0.867)	1635878	120.000	120
	18 Isophorone	82	7.074	7.043	(0.917)	2748943	120.000	120
	19 2-Nitrophenol	139	7.150	7.140	(0.927)	1102158	120.000	120
	20 2,4-Dimethylphenol	107	7.290	7.270	(0.945)	1032122	120.000	130
	21 bis(2-Chloroethoxy)methane	93	7.431	7.410	(0.964)	1544681	120.000	120
	22 2,4-Dichlorophenol	162	7.550	7.529	(0.979)	1687156	120.000	120
*	23 Naphthalene-d8	136	7.712	7.702	(1.000)	1591716	40.0000	
	24 Naphthalene	128	7.755	7.734	(1.006)	4170969	120.000	110
	25 4-Chloroaniline	127	7.884	7.864	(1.022)	1353686	120.000	120
	26 Hexachlorobutadiene	225	7.960	7.950	(1.032)	1264415	120.000	120

Data File: S1E4491.D
Report Date: 19-May-2005 15:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	27 Caprolactam	113	8.587	8.491	(1.113)	389429	120.000	120
	28 4-Chloro-3-Methylphenol	107	8.749	8.707	(1.134)	1266363	120.000	120
	29 2-Methylnaphthalene	142	8.857	8.836	(1.149)	3063845	120.000	120
	30 Hexachlorocyclopentadiene	237	9.094	9.096	(0.865)	1129772	120.000	120
	31 2,4,6-Trichlorophenol	196	9.343	9.323	(0.889)	1168464	120.000	120
	32 2,4,5-Trichlorophenol	196	9.418	9.387	(0.896)	1242935	120.000	110
$	33 2-Fluorobiphenyl	172	9.473	9.463	(0.901)	3926840	120.000	110
	34 1,1'-Biphenyl	154	9.635	9.604	(0.917)	4117965	120.000	120
	35 2-Chloronaphthalene	162	9.635	9.614	(0.917)	3100518	120.000	120
	36 2-Nitroaniline	65	9.851	9.819	(0.937)	854378	120.000	110
	37 Dimethylphthalate	163	10.186	10.165	(0.969)	3818342	120.000	120
	38 2,6-Dinitrotoluene	165	10.283	10.252	(0.978)	901189	120.000	120
	39 Acenaphthylene	152	10.283	10.262	(0.978)	4543294	120.000	120
	40 3-Nitroaniline	138	10.531	10.500	(1.002)	814916	120.000	120
*	41 Acenaphthene-d10	164	10.510	10.500	(1.000)	915492	40.0000	
	42 Acenaphthene	153	10.574	10.554	(1.006)	2970147	120.000	120
	43 2,4-Dinitrophenol	184	10.704	10.684	(1.019)	711177	120.000	120
	44 4-Nitrophenol	109	10.888	10.846	(1.036)	570370	120.000	120
	45 Dibenzofuran	168	10.855	10.835	(1.033)	4419109	120.000	110
	46 2,4-Dinitrotoluene	165	10.920	10.889	(1.039)	1289290	120.000	120
	47 Diethylphthalate	149	11.342	11.310	(1.079)	3968198	120.000	120
	48 Fluorene	166	11.406	11.386	(1.085)	3410785	120.000	110
	49 4-Chlorophenyl-phenylether	204	11.439	11.429	(1.088)	1885367	120.000	120
	50 4-Nitroaniline	138	11.536	11.494	(1.098)	608994	120.000	110
	51 4,6-Dinitro-2-methylphenol	198	11.579	11.548	(0.899)	858528	120.000	110
	52 N-Nitrosodiphenylamine	169	11.655	11.635	(0.904)	2569598	120.000	120
$	53 2,4,6-Tribromophenol	330	11.795	11.775	(0.915)	987781	120.000	120
	54 4-Bromophenyl-phenylether	248	12.227	12.207	(0.949)	1199667	120.000	110
	55 Hexachlorobenzene	284	12.281	12.261	(0.953)	1527718	120.000	120
	56 Atrazine	200	12.606	12.564	(0.978)	993049	120.000	120
	57 Pentachlorophenol	266	12.627	12.607	(0.980)	797043	120.000	120
*	58 Phenanthrene-d10	188	12.886	12.888	(1.000)	1572669	40.0000	
	59 Phenanthrene	178	12.940	12.920	(1.004)	5226797	120.000	120
	60 Anthracene	178	13.027	13.007	(1.011)	4878018	120.000	120
	61 Carbazole	167	13.319	13.298	(1.034)	4173053	120.000	120
	62 Di-n-butylphthalate	149	13.978	13.968	(1.085)	6672494	120.000	120
	63 Fluoranthene	202	14.853	14.832	(1.153)	5379077	120.000	120
	64 Pyrene	202	15.209	15.189	(0.885)	5636436	120.000	120
$	65 Terphenyl-d14	244	15.544	15.524	(0.904)	4415535	120.000	120
	66 Butylbenzylphthalate	149	16.398	16.377	(0.954)	2901144	120.000	120
	67 3,3'-Dichlorobenzidine	252	17.186	17.166	(1.000)	1426584	120.000	130
	68 Benzo(a)anthracene	228	17.165	17.144	(0.999)	5433037	120.000	120
*	69 Chrysene-d12	240	17.186	17.166	(1.000)	1496754	40.0000	
	70 Chrysene	228	17.240	17.209	(1.003)	5115401	120.000	120
	71 bis(2-Ethylhexyl)phthalate	149	17.370	17.350	(1.011)	3849233	120.000	120
	72 Di-n-octylphthalate	149	18.385	18.365	(0.952)	6733146	120.000	120
	73 Benzo(b)fluoranthene	252	18.818	18.776	(0.974)	7163952	120.000	120

Data File: S1E4491.D
Report Date: 19-May-2005 15:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	74 Benzo(k)fluoranthene	252	18.818	18.819	(0.974)	7163952	120.000	130
	75 Benzo(a)pyrene	252	19.250	19.219	(0.997)	5023141	120.000	120
*	76 Perylene-d12	264	19.315	19.305	(1.000)	1408663	40.0000	
	77 Indeno(1,2,3-cd)pyrene	276	20.687	20.666	(1.071)	6528408	120.000	120
	78 Dibenzo(a,h)anthracene	278	20.730	20.688	(1.073)	5161680	120.000	110
	79 Benzo(g,h,i)perylene	276	21.043	21.001	(1.089)	5215411	120.000	110

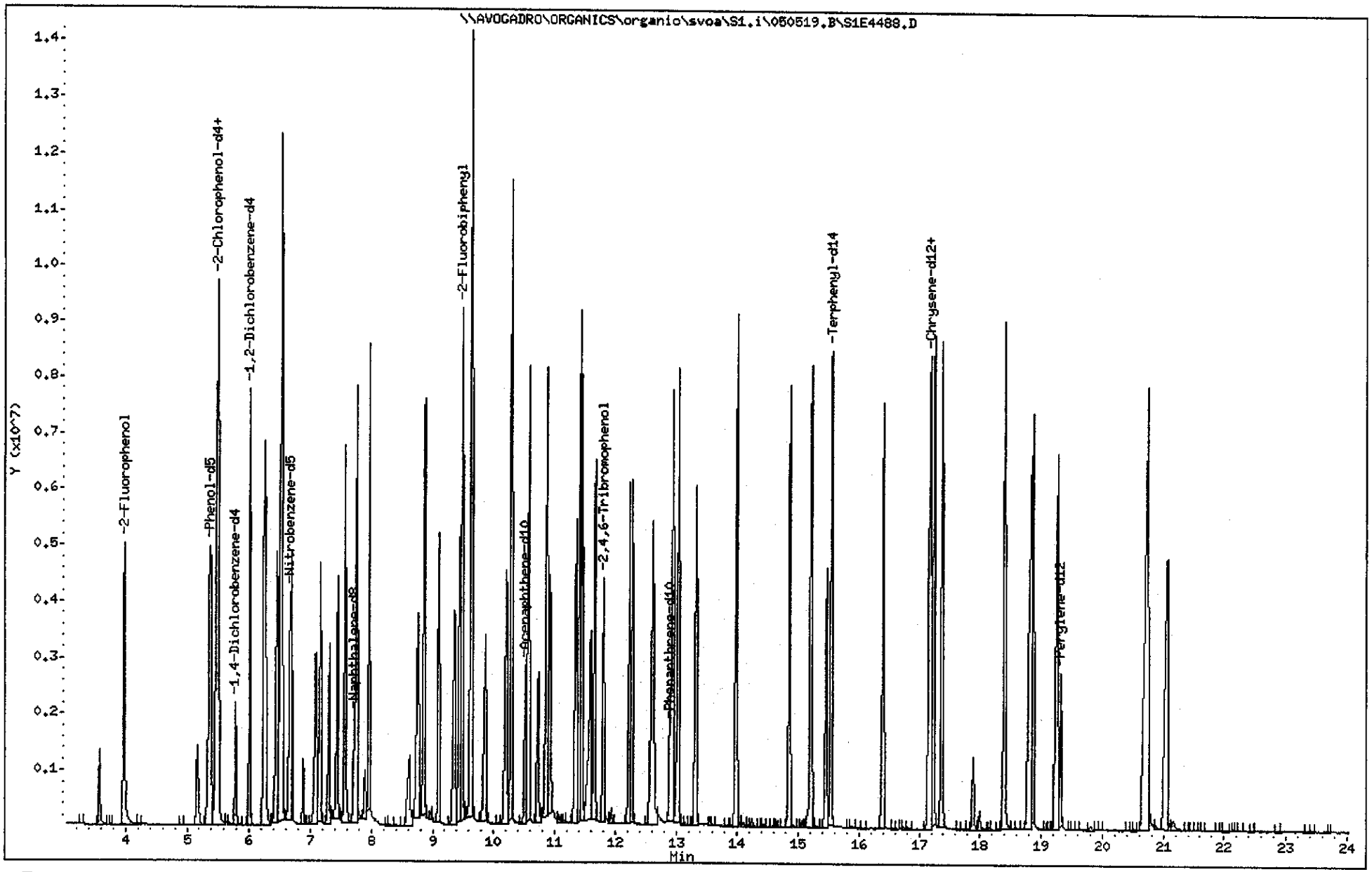
K2 5/19/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4488.D
Date : 19-MAY-2005 13:46
Client ID: SSTD1601V
Sample Info: SSTD1601V,SSTD1601V

Instrument: S1.i

Operator: KC SRC: KC
Column diameter: 0.25

Column phase: DB-5MS



8938

Data File: S1E4488.D
Report Date: 19-May-2005 15:15

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4488.D
Lab Smp Id: SSTD1601V Client Smp ID: SSTD1601V
Inj Date : 19-MAY-2005 13:46
Operator : KC SRC: KC Inst ID: S1.i
Smp Info : SSTD1601V,SSTD1601V
Misc Info : 3,,DFTPP,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\s1_olm4_2_S.m
Meth Date : 19-May-2005 15:15 mtl Quant Type: ISTD
Cal Date : 19-MAY-2005 13:15 Cal File: S1E4487.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	1 2-Fluorophenol	112	3.974	3.953	(0.688)	2224610	160.000	160(A)
	2 Benzaldehyde	77	5.162	5.163	(0.893)	557651	160.000	100
$	3 Phenol-d5	99	5.367	5.314	(0.929)	2326465	160.000	170(A)
	4 Phenol	94	5.389	5.336	(0.933)	2134994	160.000	160(A)
	5 bis(2-Chloroethyl)Ether	93	5.475	5.444	(0.948)	2107145	160.000	190(A)
$	6 2-Chlorophenol-d4	132	5.475	5.455	(0.948)	2640204	160.000	170(A)
	7 2-Chlorophenol	128	5.497	5.476	(0.951)	2291659	160.000	160(A)
*	8 1,4-Dichlorobenzene-d4	152	5.778	5.779	(1.000)	491368	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	6.005	5.995	(1.039)	1830535	160.000	170(A)
	10 2-Methylphenol	108	6.232	6.211	(1.079)	1638447	160.000	170(A)
	11 2,2'-oxybis(1-Chloropropane)	45	6.253	6.244	(1.082)	2826128	160.000	180(A)
	12 Acetophenone	105	6.448	6.416	(1.116)	2608896	160.000	170(A)
	13 4-Methylphenol	108	6.513	6.470	(1.127)	1965029	160.000	170(A)
	14 N-Nitroso-di-n-propylamine	70	6.491	6.449	(1.123)	1254835	160.000	150
	15 Hexachloroethane	117	6.513	6.503	(1.127)	1196248	160.000	170(A)
$	16 Nitrobenzene-d5	82	6.664	6.622	(0.863)	2439900	160.000	170(A)
	17 Nitrobenzene	77	6.696	6.654	(0.867)	2083039	160.000	170(A)
	18 Isophorone	82	7.085	7.043	(0.917)	3600093	160.000	170(A)
	19 2-Nitrophenol	139	7.161	7.140	(0.927)	1376251	160.000	170(A)
	20 2,4-Dimethylphenol	107	7.301	7.270	(0.945)	1217066	160.000	150
	21 bis(2-Chloroethoxy)methane	93	7.442	7.410	(0.964)	2092706	160.000	170(A)
	22 2,4-Dichlorophenol	162	7.561	7.529	(0.979)	2254081	160.000	180(A)
*	23 Naphthalene-d8	136	7.723	7.702	(1.000)	1538176	40.0000	
	24 Naphthalene	128	7.755	7.734	(1.004)	6196762	160.000	180(A)
	25 4-Chloroaniline	127	7.885	7.864	(1.021)	1025019	160.000	120
	26 Hexachlorobutadiene	225	7.960	7.950	(1.031)	1645120	160.000	170(A)

Data File: S1E4488.D
Report Date: 19-May-2005 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	27 Caprolactam	113	8.630	8.491	(1.118)	467723	160.000	150
	28 4-Chloro-3-Methylphenol	107	8.771	8.707	(1.136)	1502304	160.000	160
	29 2-Methylnaphthalene	142	8.868	8.836	(1.148)	4233073	160.000	180(A)
	30 Hexachlorocyclopentadiene	237	9.105	9.096	(0.866)	1585828	160.000	150
	31 2,4,6-Trichlorophenol	196	9.365	9.323	(0.891)	1528928	160.000	150
	32 2,4,5-Trichlorophenol	196	9.365	9.387	(0.891)	1528928	160.000	130
$	33 2-Fluorobiphenyl	172	9.483	9.463	(0.902)	5399146	160.000	150
	34 1,1'-Biphenyl	154	9.646	9.604	(0.918)	5225260	160.000	160
	35 2-Chloronaphthalene	162	9.646	9.614	(0.918)	3979068	160.000	160
	36 2-Nitroaniline	65	9.862	9.819	(0.938)	1211279	160.000	160(A)
	37 Dimethylphthalate	163	10.197	10.165	(0.970)	5036863	160.000	170(A)
	38 2,6-Dinitrotoluene	165	10.294	10.252	(0.979)	1183121	160.000	160(A)
	39 Acenaphthylene	152	10.294	10.262	(0.979)	6362421	160.000	170(A)
	40 3-Nitroaniline	138	10.542	10.500	(1.003)	1067001	160.000	160(A)
*	41 Acenaphthene-d10	164	10.510	10.500	(1.000)	911615	40.0000	
	42 Acenaphthene	153	10.575	10.554	(1.006)	4082605	160.000	170(A)
	43 2,4-Dinitrophenol	184	10.726	10.684	(1.021)	978657	160.000	170(A)
	44 4-Nitrophenol	109	10.910	10.846	(1.038)	742825	160.000	170(A)
	45 Dibenzofuran	168	10.866	10.835	(1.034)	6452118	160.000	170(A)
	46 2,4-Dinitrotoluene	165	10.931	10.889	(1.040)	1602315	160.000	160(A)
	47 Diethylphthalate	149	11.353	11.310	(1.080)	4822255	160.000	150
	48 Fluorene	166	11.417	11.386	(1.086)	4804359	160.000	170(A)
	49 4-Chlorophenyl-phenylether	204	11.450	11.429	(1.089)	2332147	160.000	160(A)
	50 4-Nitroaniline	138	11.558	11.494	(1.100)	533624	160.000	110
	51 4,6-Dinitro-2-methylphenol	198	11.601	11.548	(0.899)	1245727	160.000	180(A)
	52 N-Nitrosodiphenylamine	169	11.666	11.635	(0.905)	3207161	160.000	170(A)
$	53 2,4,6-Tribromophenol	330	11.806	11.775	(0.915)	1322391	160.000	170(A)
	54 4-Bromophenyl-phenylether	248	12.238	12.207	(0.949)	1655410	160.000	170(A)
	55 Hexachlorobenzene	284	12.282	12.261	(0.952)	1967683	160.000	170(A)
	56 Atrazine	200	12.617	12.564	(0.978)	1181673	160.000	160
	57 Pentachlorophenol	266	12.627	12.607	(0.979)	1074222	160.000	180(A)
*	58 Phenanthrene-d10	188	12.897	12.888	(1.000)	1474340	40.0000	
	59 Phenanthrene	178	12.951	12.920	(1.004)	6618869	160.000	170(A)
	60 Anthracene	178	13.038	13.007	(1.011)	6030604	160.000	170(A)
	61 Carbazole	167	13.330	13.298	(1.034)	5434891	160.000	170(A)
	62 Di-n-butylphthalate	149	13.989	13.968	(1.085)	8550698	160.000	160(A)
	63 Fluoranthene	202	14.864	14.832	(1.152)	6899157	160.000	170(A)
	64 Pyrene	202	15.220	15.189	(0.886)	7459957	160.000	170(A)
$	65 Terphenyl-d14	244	15.555	15.524	(0.905)	5831765	160.000	180(A)
	66 Butylbenzylphthalate	149	16.398	16.377	(0.954)	3911855	160.000	180(A)
	67 3,3'-Dichlorobenzidine	252	17.197	17.166	(1.001)	1367648	160.000	140
	68 Benzo(a)anthracene	228	17.176	17.144	(0.999)	7283103	160.000	170(A)
*	69 Chrysene-d12	240	17.186	17.166	(1.000)	1427721	40.0000	
	70 Chrysene	228	17.251	17.209	(1.004)	7295685	160.000	180(A)
	71 bis(2-Ethylhexyl)phthalate	149	17.370	17.350	(1.011)	4860854	160.000	160(A)
	72 Di-n-octylphthalate	149	18.396	18.365	(0.952)	9308222	160.000	170(A)
	73 Benzo(b)fluoranthene	252	18.829	18.776	(0.975)	11081704	160.000	190(A)

Data File: S1E4488.D
Report Date: 19-May-2005 15:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	74 Benzo(k)fluoranthene	252	18.829	18.819	(0.975)	11081704	160.000	190(A)
	75 Benzo(a)pyrene	252	19.261	19.219	(0.997)	6763324	160.000	170(A)
*	76 Perylene-d12	264	19.315	19.305	(1.000)	1418603	40.0000	
	77 Indeno(1,2,3-cd)pyrene	276	20.730	20.666	(1.073)	8860705	160.000	170(A)
	78 Dibenzo(a,h)anthracene	278	20.752	20.688	(1.074)	7233472	160.000	170(A)
	79 Benzo(g,h,i)perylene	276	21.065	21.001	(1.091)	7113735	160.000	160(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

RC
5/19/05

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: S1 Calibration Date: 05/25/05 Time: 0853

Lab File ID: S1E4506 Init. Calib. Date(s): 05/19/05 05/19/05

EPA Sample No.(SSTD050##): SSTD0501W Init. Calib. Times: 1315 1520

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.502	0.723		44.0	
Phenol	1.086	1.232	0.800	13.4	25.0
bis(2-Chloroethyl)Ether	0.923	0.856	0.700	-7.3	25.0
2-Chlorophenol	1.160	1.219	0.800	5.1	25.0
2-Methylphenol	0.804	0.885	0.700	10.1	25.0
2,2'-oxybis(1-Chloropropane)	1.252	1.406		12.3	
Acetophenone	1.299	1.458		12.2	
4-Methylphenol	0.879	0.950	0.600	8.1	25.0
N-Nitroso-di-n-propylamine	0.669	0.797	0.500	19.1	25.0
Hexachloroethane	0.590	0.636	0.300	7.8	25.0
Nitrobenzene	0.344	0.310	0.200	-9.9	25.0
Isophorone	0.574	0.529	0.400	-7.8	25.0
2-Nitrophenol	0.227	0.208	0.100	-8.4	25.0
2,4-Dimethylphenol	0.207	0.207	0.200	0.0	25.0
bis(2-Chloroethoxy)methane	0.322	0.313	0.300	-2.8	25.0
2,4-Dichlorophenol	0.351	0.275	0.200	-21.7	25.0
Naphthalene	0.913	0.818	0.700	-10.4	25.0
4-Chloroaniline	0.275	0.262		-4.7	
Hexachlorobutadiene	0.261	0.216		-17.2	
Caprolactam	0.083	0.091		9.6	
4-Chloro-3-Methylphenol	0.263	0.244	0.200	-7.2	25.0
2-Methylnaphthalene	0.640	0.532	0.400	-16.9	25.0
Hexachlorocyclopentadiene	0.401	0.301		-24.9	
2,4,6-Trichlorophenol	0.443	0.372	0.200	-16.0	25.0
2,4,5-Trichlorophenol	0.503	0.395	0.200	-21.5	25.0
1,1'-Biphenyl	1.478	1.422		-3.8	
2-Chloronaphthalene	1.173	1.124	0.800	-4.2	25.0
2-Nitroaniline	0.334	0.359		7.5	
Dimethylphthalate	1.402	1.149		-18.0	
2,6-Dinitrotoluene	0.337	0.331	0.200	-1.8	25.0
Acenaphthylene	1.676	1.630	0.900	-2.7	25.0
3-Nitroaniline	0.308	0.327		6.2	
Acenaphthene	1.085	0.978	0.900	-9.9	25.0
2,4-Dinitrophenol	0.269	0.174		-35.3	
4-Nitrophenol	0.209	0.177		-15.3	
Dibenzofuran	1.716	1.546	0.800	-9.9	25.0

All other compounds must meet a minimum RRF of 0.010.

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Instrument ID: S1 Calibration Date: 05/25/05 Time: 0853

Lab File ID: S1E4506 Init. Calib. Date(s): 05/19/05 05/19/05

EPA Sample No.(SSTD050##): SSTD0501W Init. Calib. Times: 1315 1520

GC Column: DB-5MS ID: 0.25 (mm)

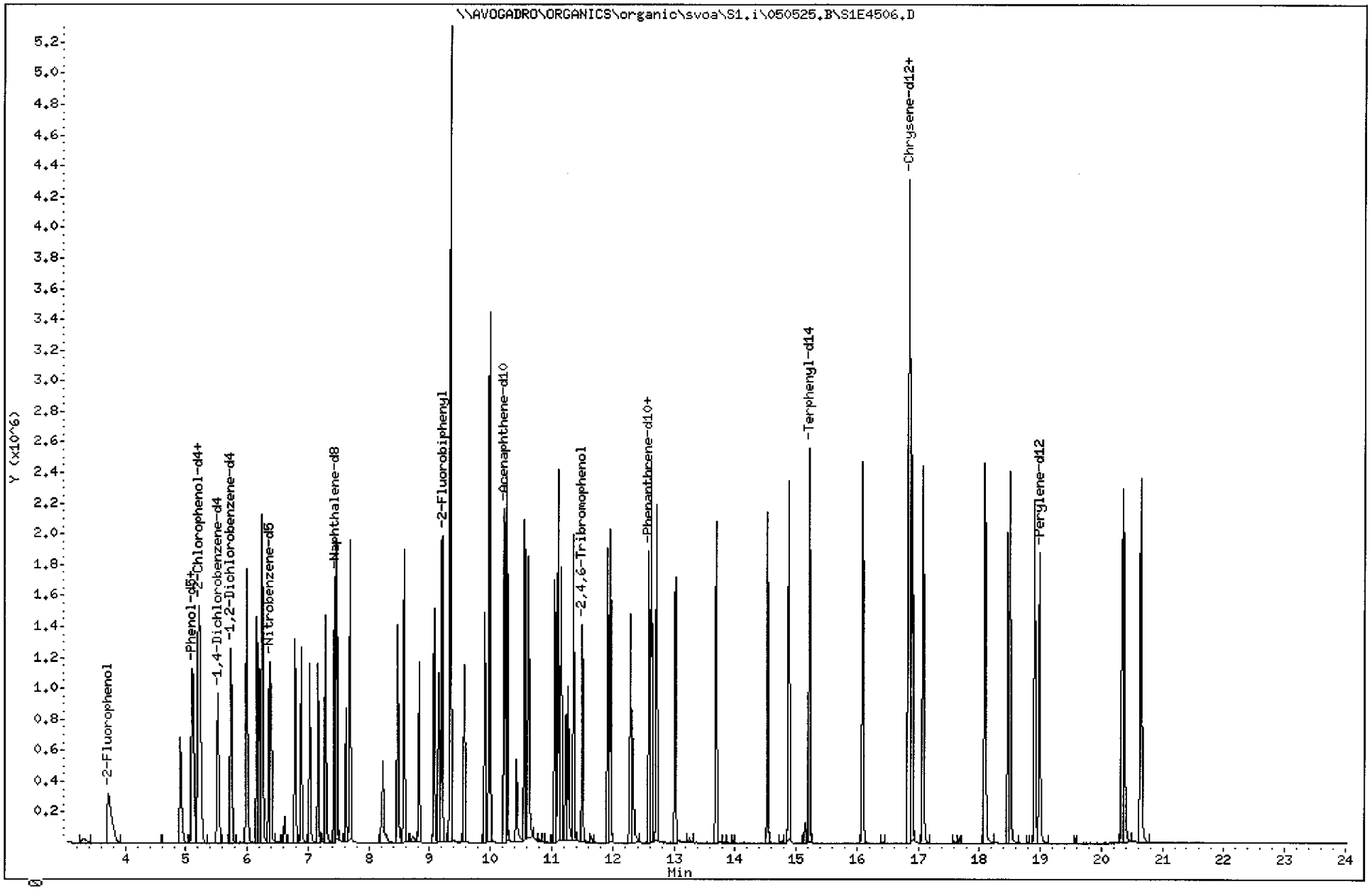
COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
2,4-Dinitrotoluene	0.465	0.423	0.200	-9.0	25.0	
Diethylphthalate	1.462	1.378		-5.7		
Fluorene	1.303	1.192	0.900	-8.5	25.0	
4-Chlorophenyl-phenylether	0.667	0.609	0.400	-8.7	25.0	
4-Nitroaniline	0.232	0.297		28.0		
4,6-Dinitro-2-methylphenol	0.193	0.167		-13.5		
N-Nitrosodiphenylamine(1)	0.541	0.486		-10.2		
4-Bromophenyl-phenylether	0.266	0.260	0.100	-2.3	25.0	
Hexachlorobenzene	0.324	0.329	0.100	1.5	25.0	
Atrazine	0.212	0.187		-11.8		
Pentachlorophenol	0.167	0.117	0.050	-29.9	25.0	<-
Phenanthrene	1.118	1.049	0.700	-6.2	25.0	
Anthracene	1.053	1.027	0.700	-2.5	25.0	
Carbazole	0.908	0.914		0.7		
Di-n-butylphthalate	1.474	1.375		-6.7		
Fluoranthene	1.181	1.071	0.600	-9.3	25.0	
Pyrene	1.286	0.985	0.600	-23.4	25.0	
Butylbenzylphthalate	0.641	0.576		-10.1		
3,3'-Dichlorobenzidine	0.302	0.300		-0.7		
Benzo(a)anthracene	1.237	1.007	0.800	-18.6	25.0	
Chrysene	1.122	0.862	0.700	-23.2	25.0	
bis(2-Ethylhexyl)phthalate	0.866	0.744		-14.1		
Di-n-octylphthalate	1.645	1.784		8.4		
Benzo(b)fluoranthene	1.644	1.419	0.700	-13.7	25.0	
Benzo(k)fluoranthene	1.559	1.388	0.700	-11.0	25.0	
Benzo(a)pyrene	1.224	1.182	0.700	-3.4	25.0	
Indeno(1,2,3-cd)pyrene	1.583	1.427	0.500	-9.9	25.0	
Dibenzo(a,h)anthracene	1.282	1.156	0.400	-9.8	25.0	
Benzo(g,h,i)perylene	1.307	1.341	0.500	2.6	25.0	
Nitrobenzene-d5	0.390	0.344	0.200	-11.8	25.0	
2-Fluorobiphenyl	1.511	1.225	0.700	-18.9	25.0	
Terphenyl-d14	0.966	0.752	0.500	-22.2	25.0	
Phenol-d5	1.147	1.229	0.800	7.1	25.0	
2-Fluorophenol	1.179	1.097	0.600	-7.0	25.0	
2,4,6-Tribromophenol	0.215	0.214		-0.5		
2-Chlorophenol-d4	1.299	1.321	0.800	1.7	25.0	
1,2-Dichlorobenzene-d4	0.942	0.937	0.400	-0.5	25.0	

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4506.D
Date : 25-MAY-2005 08:53
Client ID: SSTD0501W
Sample Info: SSTD0501W,SSTD0501W

Instrument: S1.i

Operator: AW SRC: AW
Column phase: DB-5MS
Column diameter: 0.25



0274

Data File: S1E4506.D
Report Date: 25-May-2005 14:34

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4506.D
Lab Smp Id: SSTD0501W Client Smp ID: SSTD0501W
Inj Date : 25-MAY-2005 08:53
Operator : AW SRC: AW Inst ID: S1.i
Smp Info : SSTD0501W,SSTD0501W
Misc Info : 2,2,SSTD050,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	1	2-Fluorophenol	112	3.726	3.726	(0.675)	407277	50.0000	46
	2	Benzaldehyde	77	4.904	4.904	(0.888)	268669	50.0000	72
$	3	Phenol-d5	99	5.098	5.098	(0.924)	456636	50.0000	54
	4	Phenol	94	5.120	5.120	(0.928)	457571	50.0000	57
	5	bis(2-Chloroethyl)Ether	93	5.196	5.196	(0.941)	317860	50.0000	46
$	6	2-Chlorophenol-d4	132	5.206	5.206	(0.943)	490618	50.0000	51
	7	2 Chlorophenol	128	5.228	5.228	(0.947)	452835	50.0000	53
*	8	1,4-Dichlorobenzene-d4	152	5.520	5.520	(1.000)	297131	40.0000	
$	9	1,2-Dichlorobenzene-d4	152	5.736	5.736	(1.039)	348129	50.0000	50
	10	2-Methylphenol	108	5.995	5.995	(1.086)	328658	50.0000	55
	11	2,2'-oxybis(1-Chloropropane)	45	5.984	5.984	(1.084)	522349	50.0000	56
	12	Acetophenone	105	6.157	6.157	(1.115)	541533	50.0000	56
	13	4-Methylphenol	108	6.233	6.233	(1.129)	352891	50.0000	54
	14	N-Nitroso di-n-propylamine	70	6.200	6.200	(1.123)	296067	50.0000	60
	15	Hexachloroethane	117	6.243	6.243	(1.131)	236147	50.0000	54
$	16	Nitrobenzene-d5	82	6.373	6.373	(0.856)	482857	50.0000	44
	17	Nitrobenzene	77	6.406	6.406	(0.861)	435644	50.0000	45
	18	Isophorone	82	6.784	6.784	(0.911)	742907	50.0000	46
	19	2-Nitrophenol	139	6.881	6.881	(0.925)	292685	50.0000	46
	20	2,4-Dimethylphenol	107	7.032	7.032	(0.945)	290778	50.0000	50
	21	bis(2-Chloroethoxy)methane	93	7.162	7.162	(0.962)	440545	50.0000	49
	22	2,4-Dichlorophenol	162	7.281	7.281	(0.978)	386334	50.0000	39
*	23	Naphthalene-d8	136	7.443	7.443	(1.000)	1124444	40.0000	
	24	Naphthalene	128	7.475	7.475	(1.004)	1149225	50.0000	45
	25	4-Chloroaniline	127	7.615	7.615	(1.023)	368539	50.0000	48
	26	Hexachlorobutadiene	225	7.691	7.691	(1.033)	303333	50.0000	41

Data File: S1E4506.D
Report Date: 25-May-2005 14:34

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ng)	ON-COL (ng)
	27	Caprolactam	113	8.231	8.231	(1.106)	127962	50.0000	55
	28	4-Chloro-3-Methylphenol	107	8.480	8.480	(1.139)	342366	50.0000	46
	29	2-Methylnaphthalene	142	8.577	8.577	(1.152)	748304	50.0000	42
	30	Hexachlorocyclopentadiene	237	8.825	8.825	(0.864)	233174	50.0000	38
	31	2,4,6-Trichlorophenol	196	9.074	9.074	(0.888)	287890	50.0000	42
	32	2,4,5-Trichlorophenol	196	9.150	9.150	(0.895)	306045	50.0000	39
$	33	2-Fluorobiphenyl	172	9.204	9.204	(0.901)	948053	50.0000	41
	34	1,1'-Biphenyl	154	9.344	9.344	(0.914)	1100580	50.0000	48
	35	2-Chloronaphthalene	162	9.344	9.344	(0.914)	869830	50.0000	48
	36	2-Nitroaniline	65	9.571	9.571	(0.937)	278004	50.0000	54
	37	Dimethylphthalate	163	9.906	9.906	(0.969)	888937	50.0000	41
	38	2,6-Dinitrotoluene	165	9.992	9.992	(0.978)	256520	50.0000	49
	39	Acenaphthylene	152	9.992	9.992	(0.978)	1261622	50.0000	49
	40	3-Nitroaniline	138	10.241	10.241	(1.002)	253373	50.0000	53
*	41	Acenaphthene-d10	164	10.219	10.219	(1.000)	619103	40.0000	
	42	Acenaphthene	153	10.273	10.273	(1.005)	757209	50.0000	45
	43	2,4-Dinitrophenol	184	10.424	10.424	(1.020)	134911	50.0000	32
	44	4-Nitrophenol	109	10.630	10.630	(1.040)	137043	50.0000	42
	45	Dibenzofuran	168	10.554	10.554	(1.033)	1196363	50.0000	45
	46	2,4-Dinitrotoluene	165	10.630	10.630	(1.040)	327361	50.0000	45
	47	Diethylphthalate	149	11.051	11.051	(1.081)	1066543	50.0000	47
	48	Fluorene	166	11.105	11.105	(1.087)	922795	50.0000	46
	49	4-Chlorophenyl-phenylether	204	11.159	11.159	(1.092)	470954	50.0000	46
	50	4-Nitroaniline	138	11.235	11.235	(1.099)	230124	50.0000	64
	51	4,6-Dinitro-2-methylphenol	198	11.278	11.278	(0.889)	212091	50.0000	43
	52	N Nitrosodiphenylamine	169	11.364	11.364	(0.896)	619055	50.0000	45
$	53	2,4,6-Tribromophenol	330	11.505	11.505	(0.907)	271894	50.0000	50
	54	4-Bromophenyl-phenylether	248	11.926	11.926	(0.940)	331449	50.0000	49
	55	Hexachlorobenzene	284	11.969	11.969	(0.944)	418528	50.0000	51
	56	Atrazine	200	12.304	12.304	(0.970)	237986	50.0000	44(H)
	57	Pentachlorophenol	266	12.337	12.337	(0.973)	148573	50.0000	35
*	58	Phenanthrene-d10	188	12.596	12.596	(1.000)	1018707	40.0000	(H)
	59	Phenanthrene	178	12.639	12.639	(0.997)	1335340	50.0000	47(H)
	60	Anthracene	178	12.715	12.715	(1.003)	1307548	50.0000	49
	61	Carbazole	167	13.028	13.028	(1.027)	1163357	50.0000	50
	62	Di-n-butylphthalate	149	13.698	13.698	(1.080)	1750976	50.0000	47
	63	Fluoranthene	202	14.541	14.541	(1.147)	1363216	50.0000	45
	64	Pyrene	202	14.886	14.886	(0.883)	1559211	50.0000	38
$	65	Terphenyl-d14	244	15.232	15.232	(0.903)	1190716	50.0000	39
	66	Butylbenzylphthalate	149	16.096	16.096	(0.955)	911874	50.0000	45
	67	3,3'-Dichlorobenzidine	252	16.863	16.863	(1.000)	475074	50.0000	50
	68	Benzo(a)anthracene	228	16.842	16.842	(0.999)	1593461	50.0000	41(H)
*	69	Chrysene-d12	240	16.863	16.863	(1.000)	1266448	40.0000	
	70	Chrysene	228	16.907	16.907	(1.003)	1364307	50.0000	38
	71	bis(2-Ethylhexyl)phthalate	149	17.079	17.079	(1.013)	1178514	50.0000	43
	72	Di-n-octylphthalate	149	18.084	18.084	(0.952)	2171652	50.0000	54
	73	Benzo(b)fluoranthene	252	18.473	18.473	(0.973)	1727239	50.0000	43

Data File: S1E4506.D
Report Date: 25-May-2005 14:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	74 Benzo(k)fluoranthene	252	18.516	18.516	(0.975)	1689985	50.0000	45
	75 Benzo(a)pyrene	252	18.916	18.916	(0.996)	1438842	50.0000	48
*	76 Perylene-d12	264	18.992	18.992	(1.000)	973706	40.0000	
	77 Indeno(1,2,3-cd)pyrene	276	20.342	20.342	(1.071)	1737180	50.0000	45
	78 Dibenzo(a,h)anthracene	278	20.364	20.364	(1.072)	1406744	50.0000	45
	79 Benzo(g,h,i)perylene	276	20.645	20.645	(1.087)	1632503	50.0000	51

QC Flag Legend

H - Operator selected an alternate compound hit.

05/26/05
AL

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4486.D

Date : 19-MAY-2005 12:58

Client ID: DFTPP1V

Instrument: S1.i

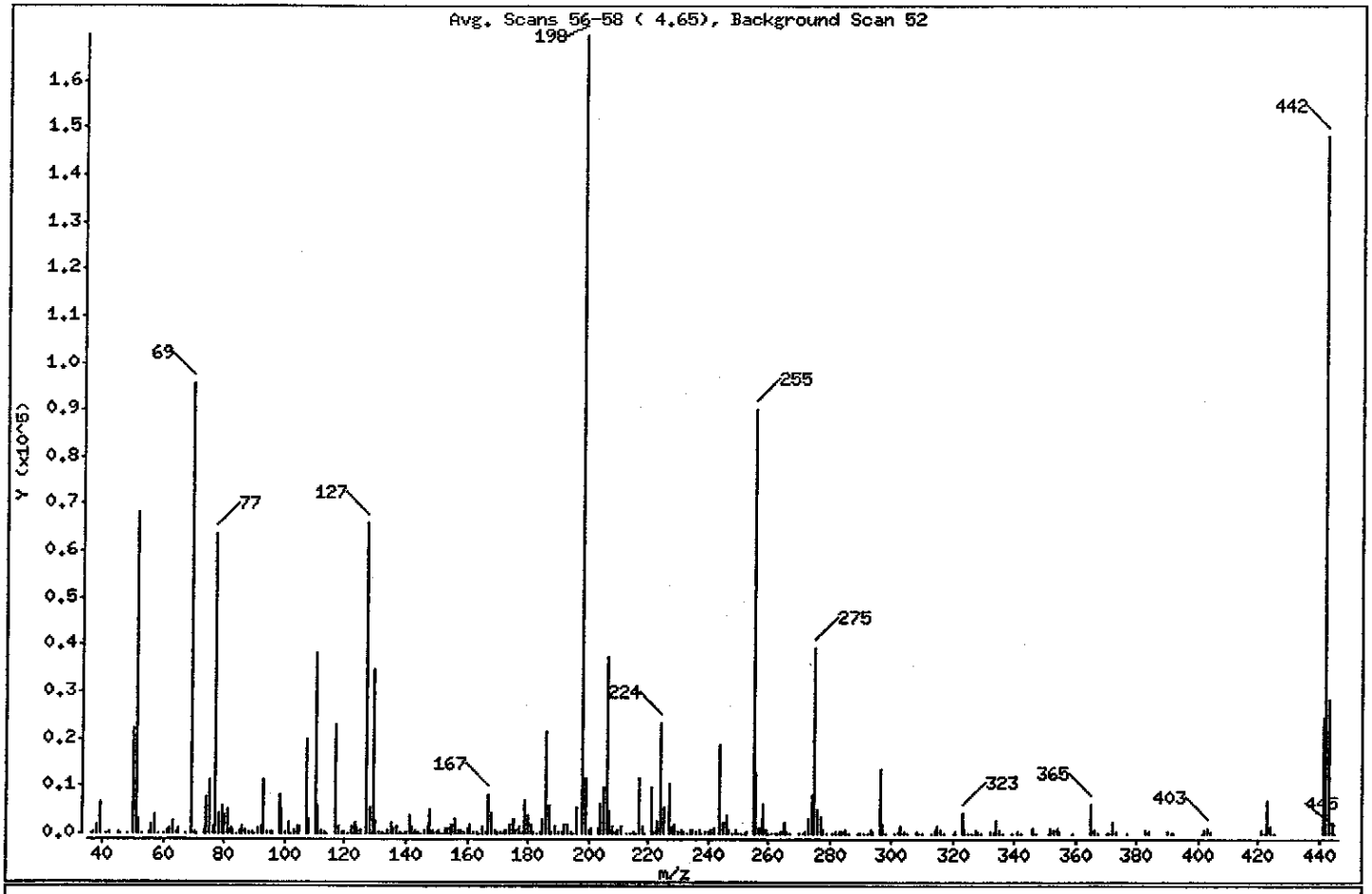
Sample Info: DFTPP1V,DFTPP1V

Operator: KC

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	40.17
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	56.30
70	Less than 2.00% of mass 69	0.27 (0.48)
127	25.00 - 75.00% of mass 198	38.83
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.86
275	10.00 - 30.00% of mass 198	23.26
365	Greater than 0.75% of mass 198	3.75
441	Present, but less than mass 443	14.48
442	40.00 - 110.00% of mass 198	87.40
443	15.00 - 24.00% of mass 442	16.79 (19.21)

Date : 19-MAY-2005 12:58

Client ID: DFTPP1V Instrument: S1.i

Sample Info: DFTPP1V,DFTPP1V

Operator: KC

Column phase: DB-5MS Column diameter: 0.25

Data File: S1E4486.D
Spectrum: Avg. Scans 56-58 (4.65), Background Scan 52
Location of Maximum: 198.00
Number of points: 299

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	61	127.00	65856	204.00	6074	289.00	157
37.00	460	128.00	5309	205.00	9682	290.00	77
38.00	1763	129.00	34728	206.00	37440	291.00	65
39.00	6755	130.00	2732	207.00	4731	292.00	179
41.00	64	131.00	428	208.00	1416	293.00	782
42.00	272	132.00	197	209.00	301	294.00	227
45.00	262	133.00	47	210.00	890	296.00	13835
46.00	30	134.00	942	211.00	1484	297.00	1833
48.00	62	135.00	2172	213.00	116	298.00	113
50.00	22408	136.00	1003	214.00	40	301.00	161
51.00	68128	137.00	1369	215.00	454	302.00	276
52.00	3303	138.00	330	216.00	165	303.00	1499
53.00	49	139.00	52	217.00	11597	304.00	427
55.00	399	140.00	232	218.00	1462	305.00	49
56.00	2098	141.00	3985	219.00	122	308.00	219
57.00	4086	142.00	1403	221.00	9891	309.00	75
58.00	176	143.00	938	222.00	253	310.00	160
60.00	168	144.00	310	223.00	2702	313.00	78
61.00	809	145.00	147	224.00	23208	314.00	657
62.00	1097	146.00	802	225.00	5365	315.00	1499
63.00	2565	147.00	1720	227.00	10608	316.00	714
64.00	340	148.00	5173	228.00	1469	317.00	55
65.00	1163	149.00	970	229.00	1975	320.00	59
67.00	113	150.00	296	230.00	247	321.00	420
69.00	95488	151.00	616	231.00	920	323.00	4192
70.00	460	152.00	172	232.00	247	324.00	843
71.00	29	153.00	1353	233.00	187	325.00	36
73.00	626	154.00	1022	234.00	617	326.00	92
74.00	7859	155.00	2063	235.00	625	327.00	903
75.00	11120	156.00	3018	236.00	473	328.00	417
76.00	1718	157.00	788	237.00	688	329.00	102
77.00	63504	158.00	788	238.00	102	332.00	344
78.00	4325	159.00	570	239.00	451	333.00	432
79.00	5733	160.00	1242	240.00	357	334.00	2576
80.00	4025	161.00	1924	241.00	661	335.00	671

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4486.D

Date : 19-MAY-2005 12:58

Client ID: DFTPP1V

Instrument: S1.i

Sample Info: DFTPP1V,DFTPP1V

Operator: KC

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1E4486.D

Spectrum: Avg. Scans 56-58 (4.65), Background Scan 52

Location of Maximum: 198.00

Number of points: 299

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	5095	162.00	518	242.00	1204	336.00	43
82.00	1143	163.00	232	244.00	18792	339.00	82
83.00	905	164.00	162	245.00	2399	341.00	537
84.00	149	165.00	1460	246.00	3713	342.00	113
85.00	694	166.00	497	247.00	752	346.00	1112
86.00	1737	167.00	8311	248.00	177	347.00	87
87.00	798	168.00	4314	249.00	639	351.00	35
88.00	310	169.00	757	250.00	137	352.00	1235
89.00	211	170.00	254	251.00	178	353.00	959
90.00	44	171.00	376	252.00	127	354.00	1193
91.00	1347	172.00	834	253.00	409	355.00	276
92.00	1384	173.00	865	255.00	89936	359.00	86
93.00	11384	174.00	1819	256.00	12991	365.00	6368
94.00	568	175.00	3062	257.00	1114	366.00	896
95.00	197	176.00	895	258.00	6214	367.00	50
96.00	499	177.00	1565	259.00	967	370.00	133
98.00	8109	178.00	376	260.00	174	371.00	158
99.00	5089	179.00	6993	261.00	121	372.00	2185
100.00	499	180.00	3917	262.00	36	373.00	514
101.00	2412	181.00	2009	263.00	50	377.00	34
102.00	179	182.00	369	264.00	246	383.00	617
103.00	852	183.00	160	265.00	2520	384.00	197
104.00	1725	184.00	443	266.00	456	390.00	305
105.00	1587	185.00	3030	267.00	91	391.00	181
107.00	19888	186.00	21400	270.00	67	392.00	128
108.00	3090	187.00	5834	271.00	122	401.00	124
110.00	38320	188.00	494	272.00	296	402.00	788
111.00	5969	189.00	1496	273.00	2961	403.00	1186
112.00	732	190.00	230	274.00	8085	404.00	431
113.00	344	191.00	525	275.00	39448	421.00	945
114.00	145	192.00	2046	276.00	4998	422.00	145
117.00	22832	193.00	1994	277.00	3450	423.00	7031
118.00	1480	194.00	445	278.00	699	424.00	1409
119.00	226	195.00	87	279.00	139	425.00	159
120.00	335	196.00	5416	281.00	75	441.00	24552

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4486.D

Date : 19-MAY-2005 12:58

Client ID: DFTPP1V

Instrument: S1.i

Sample Info: DFTPP1V,DFTPP1V

Operator: KC

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1E4486.D

Spectrum: Avg. Scans 56-58 (4.65), Background Scan 52

Location of Maximum: 198.00

Number of points: 299

m/z	Y	m/z	Y	m/z	Y	m/z	Y
121.00	181	198.00	169600	282.00	228	442.00	148224
122.00	1589	199.00	11633	283.00	395	443.00	28472
123.00	2305	200.00	796	284.00	298	444.00	2445
124.00	1222	201.00	1077	285.00	607	445.00	78
125.00	871	203.00	1160	286.00	124		

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050519.B\S1E4486.D

Date : 19-MAY-2005 12:58

Client ID: DFTPP1V

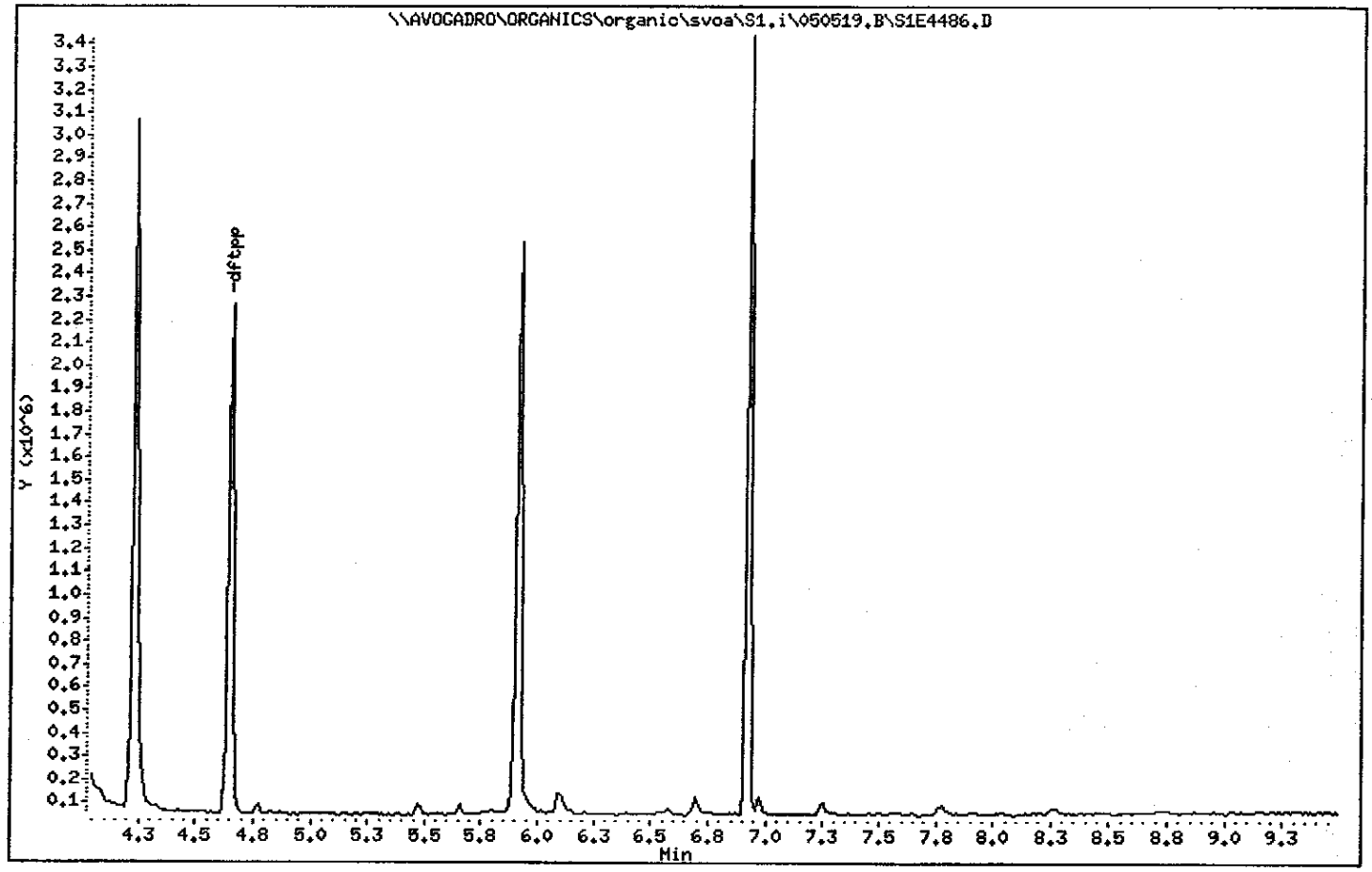
Instrument: S1.i

Sample Info: DFTPP1V,DFTPP1V

Operator: KC

Column phase: DB-5MS

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4505A.D

Date : 25-MAY-2005 08:36

Client ID: DFTPP1W

Instrument: S1.i

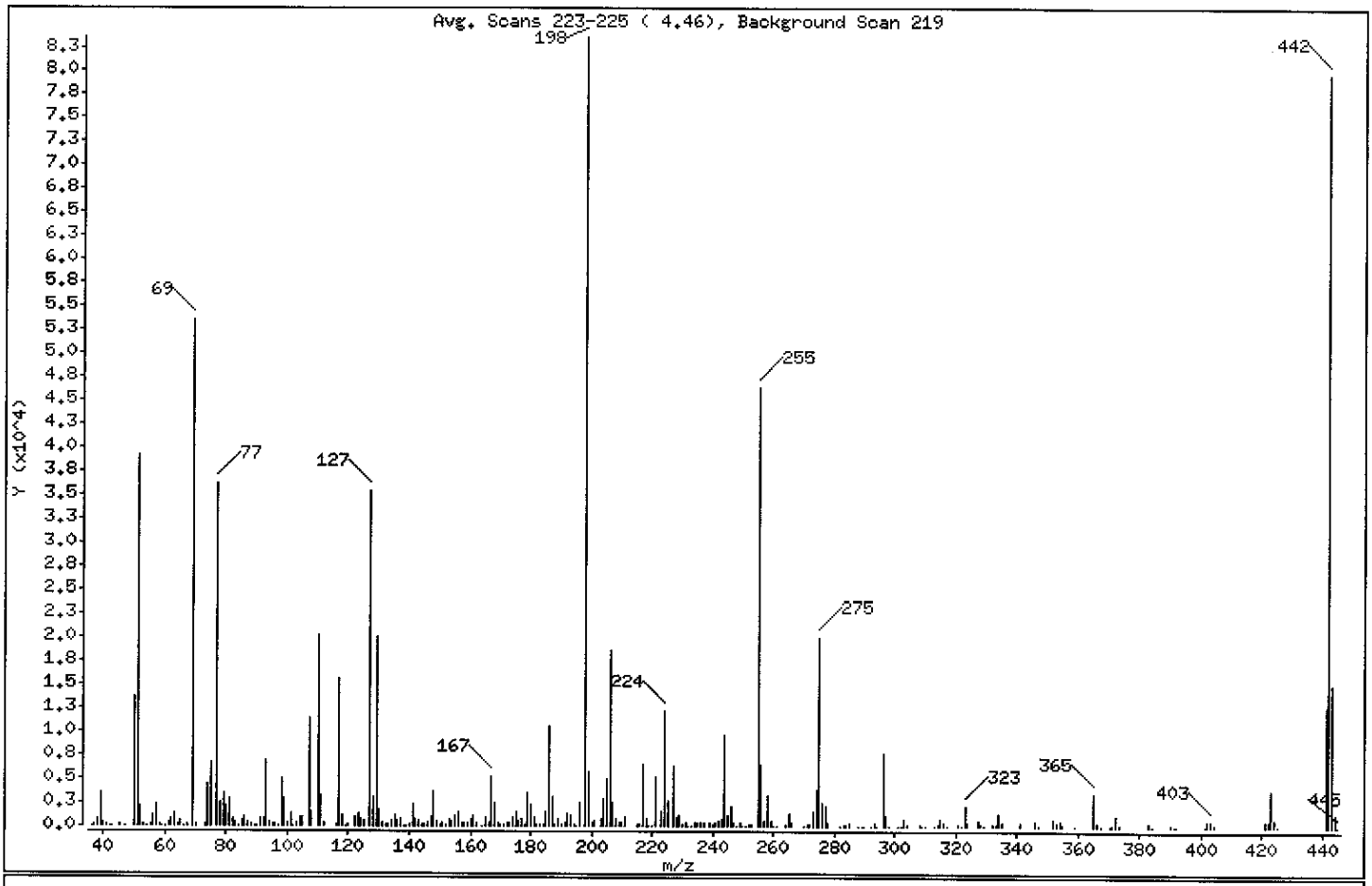
Sample Info: DFTPP1W,DFTPP1W

Operator: AW

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	47.10
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	64.12
70	Less than 2.00% of mass 69	0.18 (0.28)
127	25.00 - 75.00% of mass 198	42.31
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.84
275	10.00 - 30.00% of mass 198	23.94
365	Greater than 0.75% of mass 198	4.18
441	Present, but less than mass 443	15.19
442	40.00 - 110.00% of mass 198	95.39
443	15.00 - 24.00% of mass 442	18.03 (18.90)

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4505A.D

Date : 25-MAY-2005 08:36

Client ID: DFTPP1W

Instrument: S1.i

Sample Info: DFTPP1W,DFTPP1W

Operator: AW

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1E4505A.D
Spectrum: Avg. Scans 223-225 (4.46), Background Scan 219
Location of Maximum: 198.00
Number of points: 283

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	92	120.00	150	194.00	258	282.00	75
37.00	236	122.00	1043	195.00	37	283.00	225
38.00	817	123.00	1324	196.00	2519	284.00	117
39.00	3549	124.00	781	198.00	83560	285.00	333
40.00	324	125.00	484	199.00	5719	288.00	41
41.00	131	127.00	35352	200.00	431	289.00	58
42.00	61	128.00	3026	201.00	603	290.00	39
43.00	70	129.00	20000	203.00	683	292.00	44
45.00	128	130.00	1800	204.00	2920	293.00	400
47.00	41	131.00	328	205.00	5087	294.00	53
50.00	13625	132.00	213	206.00	18744	296.00	7777
51.00	39352	133.00	100	207.00	2424	297.00	1068
52.00	2179	134.00	535	208.00	751	298.00	47
53.00	103	135.00	1121	209.00	311	301.00	75
54.00	95	136.00	577	210.00	302	302.00	61
55.00	190	137.00	766	211.00	952	303.00	759
56.00	1244	138.00	62	215.00	270	304.00	197
57.00	2380	139.00	92	216.00	150	308.00	97
58.00	132	140.00	114	217.00	6549	309.00	37
59.00	44	141.00	2380	218.00	808	310.00	57
60.00	45	142.00	813	219.00	45	313.00	34
61.00	468	143.00	543	220.00	51	314.00	200
62.00	714	144.00	120	221.00	5153	315.00	790
63.00	1419	145.00	115	223.00	1519	316.00	397
64.00	239	146.00	453	224.00	12065	317.00	36
65.00	616	147.00	1034	225.00	2743	321.00	211
66.00	83	148.00	3567	227.00	6431	322.00	48
67.00	132	149.00	522	228.00	897	323.00	2142
69.00	53576	150.00	147	229.00	1126	324.00	414
70.00	151	151.00	315	230.00	238	327.00	541
73.00	205	152.00	119	231.00	435	328.00	181
74.00	4511	153.00	683	232.00	88	329.00	38
75.00	6740	154.00	502	233.00	38	332.00	163
77.00	36160	155.00	1083	234.00	439	333.00	148
78.00	2520	156.00	1540	235.00	303	334.00	1423

Date : 25-MAY-2005 08:36

Client ID: DFTPP1W Instrument: S1.i

Sample Info: DFTPP1W,DFTPP1W

Operator: AW

Column phase: DB-5MS Column diameter: 0.25

Data File: S1E4505A.D
Spectrum: Avg. Scans 223-225 (4.46), Background Scan 219
Location of Maximum: 198.00
Number of points: 283

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	3476	157.00	358	236.00	366	335.00	353
80.00	2201	158.00	392	237.00	344	341.00	290
81.00	2907	159.00	290	239.00	290	346.00	527
82.00	692	160.00	767	240.00	165	347.00	43
83.00	382	161.00	1059	241.00	294	352.00	709
84.00	46	162.00	307	242.00	600	353.00	430
85.00	482	164.00	96	243.00	835	354.00	637
86.00	1057	165.00	908	244.00	9665	355.00	97
87.00	356	166.00	374	245.00	1175	359.00	37
88.00	114	167.00	5233	246.00	2096	365.00	3489
89.00	35	168.00	2508	247.00	463	366.00	411
90.00	35	169.00	421	248.00	62	367.00	34
91.00	787	170.00	143	249.00	371	370.00	37
92.00	825	171.00	224	250.00	88	371.00	155
93.00	6965	172.00	426	251.00	69	372.00	1219
94.00	358	173.00	464	252.00	114	373.00	239
95.00	158	174.00	993	253.00	199	383.00	345
96.00	268	175.00	1550	255.00	46456	384.00	52
97.00	48	176.00	517	256.00	6534	390.00	207
98.00	4916	177.00	861	257.00	512	391.00	39
99.00	2921	178.00	144	258.00	3274	392.00	38
100.00	327	179.00	3444	259.00	505	401.00	41
101.00	1387	180.00	2392	260.00	69	402.00	509
102.00	91	181.00	976	261.00	55	403.00	671
103.00	473	182.00	144	264.00	141	404.00	193
104.00	1013	183.00	102	265.00	1300	421.00	556
105.00	895	184.00	160	266.00	302	422.00	521
107.00	11327	185.00	1492	270.00	56	423.00	3855
108.00	1587	186.00	10567	271.00	162	424.00	712
110.00	20184	187.00	3007	272.00	120	425.00	62
111.00	3202	188.00	252	273.00	1530	441.00	12691
112.00	410	189.00	744	274.00	3839	442.00	79712
116.00	110	190.00	154	275.00	20000	443.00	15063
117.00	15645	191.00	352	276.00	2540	444.00	1314
118.00	1062	192.00	1363	277.00	2137	445.00	88

Date : 25-MAY-2005 08:36

Client ID: DFTPP1W Instrument: S1.i

Sample Info: DFTPP1W,DFTPP1W

Operator: AW

Column phase: DB-5MS Column diameter: 0.25

Data File: S1E4505A.D
Spectrum: Avg. Scans 223-225 (4.46), Background Scan 219
Location of Maximum: 198.00
Number of points: 283

m/z	Y	m/z	Y	m/z	Y	m/z	Y
119.00	41	193.00	1203	278.00	341		

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4505A.D

Date : 25-MAY-2005 08:36

Client ID: DFTPP1W

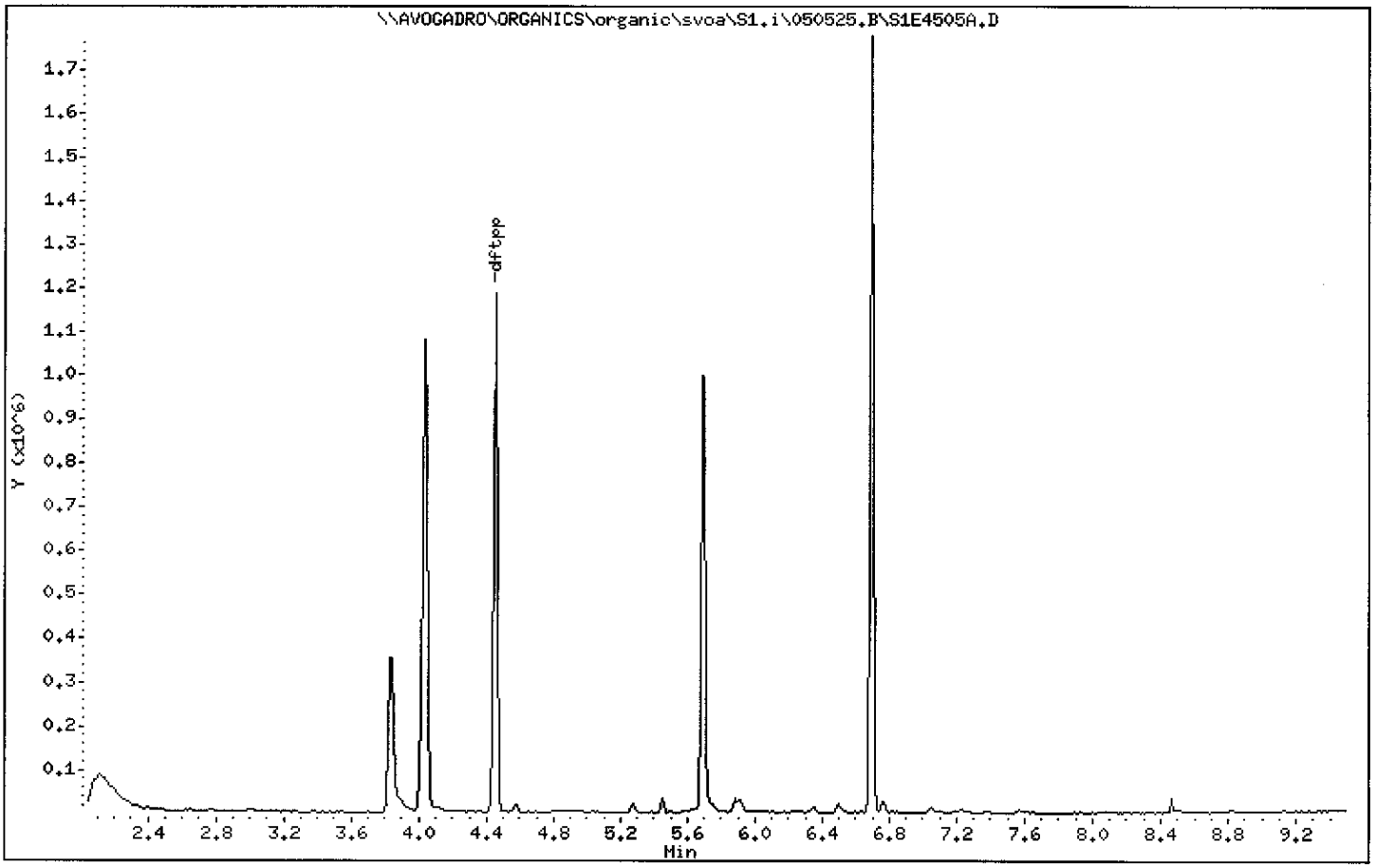
Instrument: S1.i

Sample Info: DFTPP1W,DFTPP1W

Operator: AW

Column phase: DB-5MS

Column diameter: 0.25



1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK1W

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18091

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4507

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/12/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1W

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18091

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4507

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/12/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLK1W

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18091

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4507

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/12/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

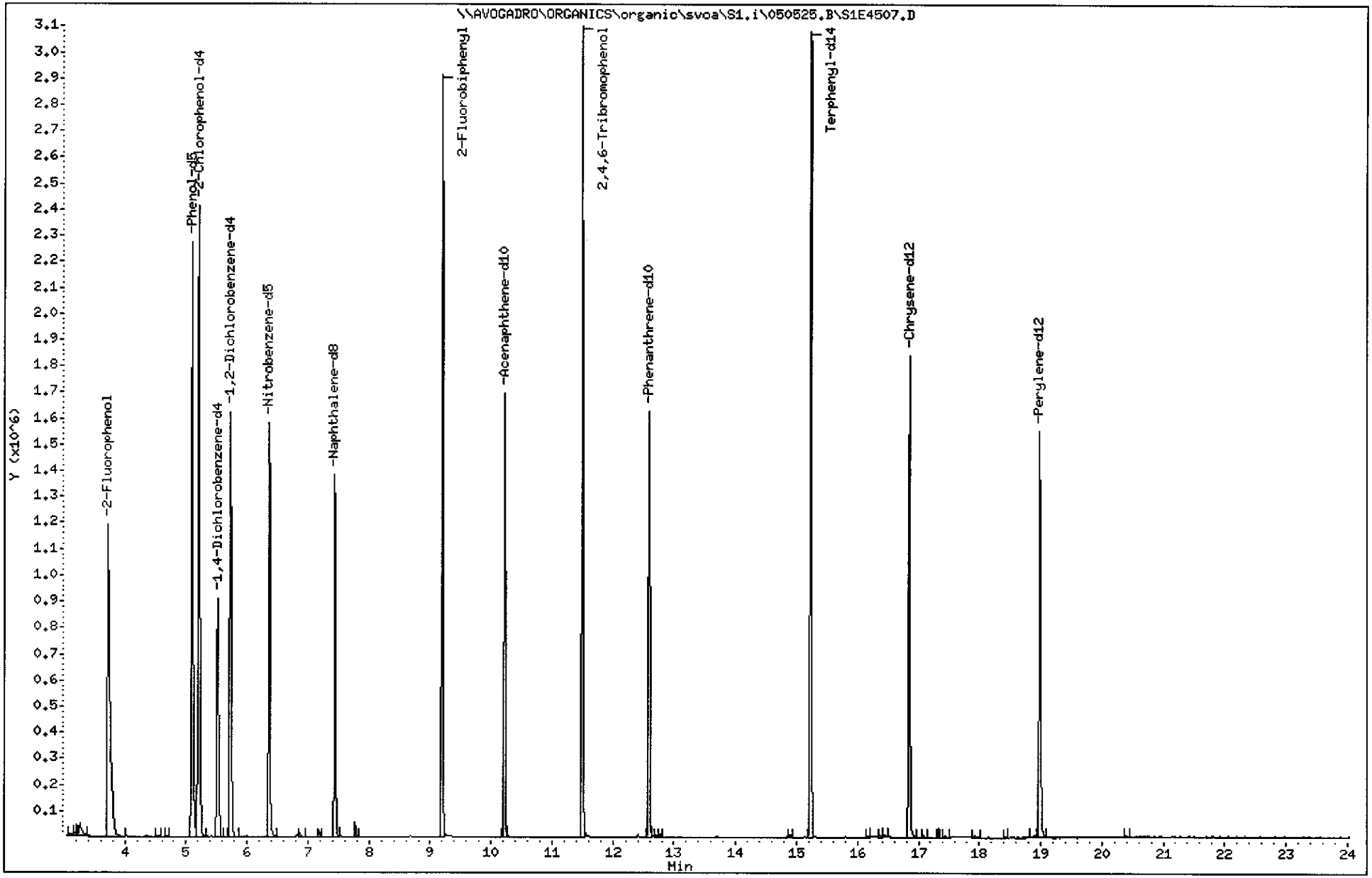
GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4507.D
Date : 25-MAY-2005 09:31
Client ID: SBLK1W
Instrument: S1.i
Sample Info: MB-18091,SBLK1W,18091
Volume Injected (uL): 2.0
Operator: AW SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1E4507.D
Report Date: 26-May-2005 16:09

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4507.D
Lab Smp Id: MB-18091 Client Smp ID: SBLK1W
Inj Date : 25-MAY-2005 09:31
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : MB-18091,SBLK1W,18091
Misc Info : 2,2,SSTD050,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D ✓
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$ 1	2-Fluorophenol	112	3.727	3.726	(0.675)	884508	119.185	60
$ 3	Phenol-d5	99	5.099	5.098	(0.924)	986855	118.602	59
$ 6	2-Chlorophenol-d4	132	5.207	5.206	(0.943)	1103582	123.444	62
* 8	1,4-Dichlorobenzene-d4	152	5.520	5.520	(1.000)	270712	40.0000	
$ 9	1,2-Dichlorobenzene-d4	152	5.737	5.736	(1.039)	443102	69.8512	35
$ 16	Nitrobenzene-d5	82	6.363	6.373	(0.856)	692643	82.8461	41
* 23	Naphthalene-d8	136	7.433	7.443	(1.000)	973479	40.0000	
$ 33	2-Fluorobiphenyl	172	9.194	9.204	(0.900)	1313592	80.3507	40
* 41	Acenaphthene-d10	164	10.220	10.219	(1.000)	533791	40.0000	
$ 53	2,4,6-Tribromophenol	330	11.495	11.505	(0.913)	615271	120.748	60
* 58	Phenanthrene-d10	188	12.597	12.596	(1.000)	954565	40.0000	
$ 65	Terphenyl-d14	244	15.244	15.232	(0.904)	1657688	94.5012	47
* 69	Chrysene-d12	240	16.853	16.863	(1.000)	932856	40.0000	
* 76	Perylene-d12	264	18.982	18.992	(1.000)	939850	40.0000	

05/26/05 KC

Data File: S1E4507.D
Report Date: 26-May-2005 16:09

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4507.D
Lab Smp Id: MB-18091 Client Smp ID: SBLK1W
Inj Date : 25-MAY-2005 09:31
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : MB-18091,SBLK1W,18091
Misc Info : 2,2,SSTD050,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4510

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4510

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SBLK1X

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4510

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

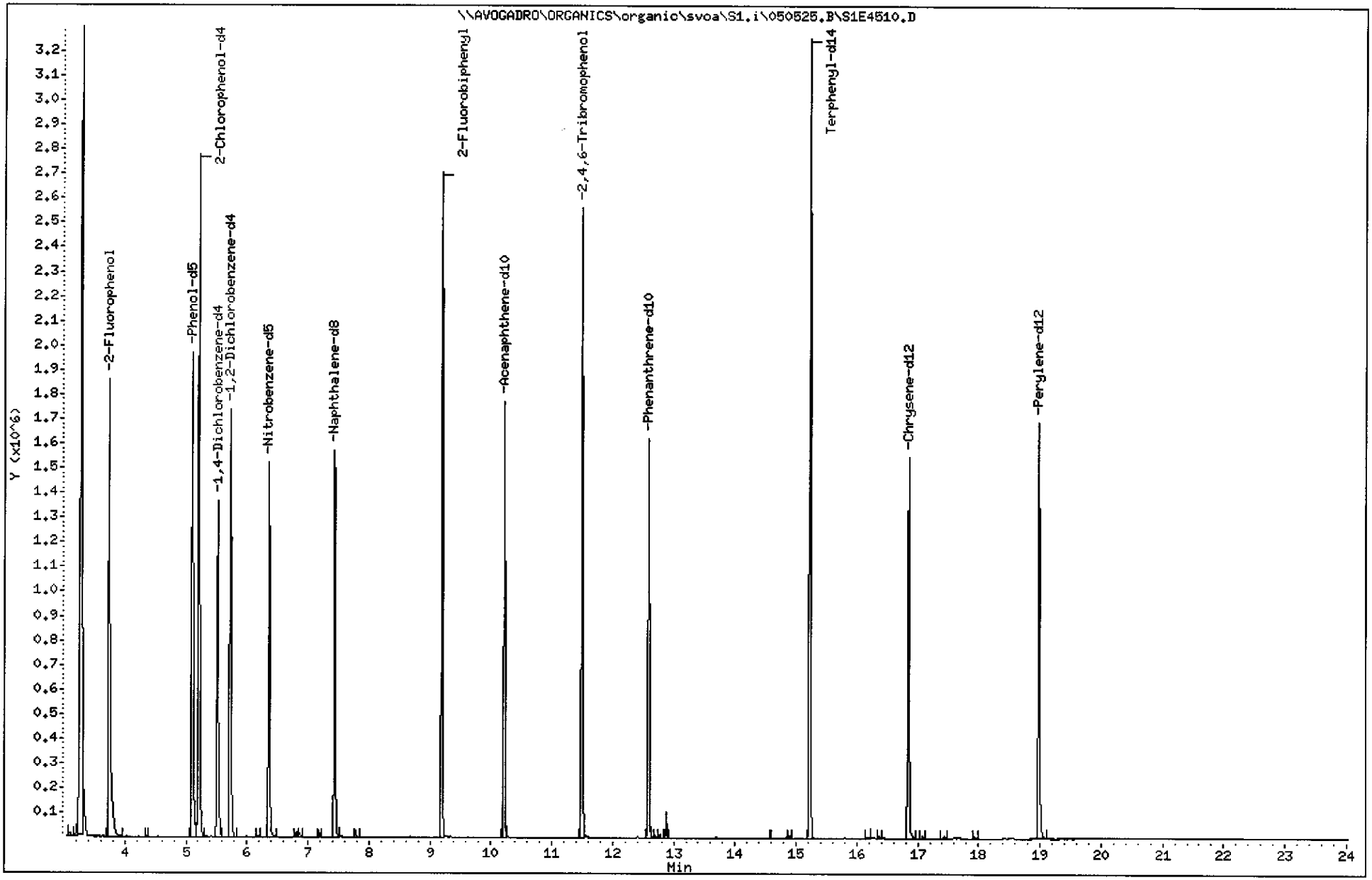
GPC Cleanup: (Y/N) Y pH: ___ Extraction: (Type) SONC

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4510.D
Date : 25-MAY-2005 11:04
Client ID: SBLK1X
Instrument: S1.i
Sample Info: MB-18109,SBLK1X,18109
Volume Injected (uL): 2.0
Operator: AW SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



0297

Data File: S1E4510.D
Report Date: 26-May-2005 15:51

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4510.D
Lab Smp Id: MB-18109 Client Smp ID: SBLK1X
Inj Date : 25-MAY-2005 11:04
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : MB-18109,SBLK1X,18109
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D ✓
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.000	% Moisture

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$	1 2-Fluorophenol	112	3.736	3.726	(0.677)	821624	90.9828	1500
$	3 Phenol-d5	99	5.108	5.098	(0.926)	924199	91.2791	1500
$	6 2-Chlorophenol-d4	132	5.205	5.206	(0.943)	1000852	92.0031	1500
*	8 1,4-Dichlorobenzene-d4	152	5.519	5.520	(1.000)	329414	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.734	5.736	(1.039)	415386	53.8130	900
$	16 Nitrobenzene-d5	82	6.361	6.373	(0.855)	613255	64.5768	1100
*	23 Naphthalene-d8	136	7.441	7.443	(1.000)	1105742	40.0000	
$	33 2-Fluorobiphenyl	172	9.192	9.204	(0.900)	1160204	66.2810	1100
*	41 Acenaphthene-d10	164	10.218	10.219	(1.000)	571539	40.0000	
$	53 2,4,6-Tribromophenol	330	11.493	11.505	(0.913)	500918	104.122	1700
*	58 Phenanthrene-d10	188	12.595	12.596	(1.000)	901246	40.0000	
$	65 Terphenyl-d14	244	15.231	15.232	(0.904)	1515039	97.1550	1600
*	69 Chrysene-d12	240	16.851	16.863	(1.000)	829293	40.0000	
*	76 Perylene-d12	264	18.980	18.992	(1.000)	888495	40.0000	

5/26/05 AW KW

Data File: S1E4510.D
Report Date: 26-May-2005 15:51

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4510.D
Lab Smp Id: MB-18109 Client Smp ID: SBLK1X
Inj Date : 25-MAY-2005 11:04
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : MB-18109,SBLK1X,18109
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1WLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: LCS-18091

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4508

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/12/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	60	
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	60	
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	38	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	71	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	46	

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

S1WLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: LCS-18091

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4508

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/12/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

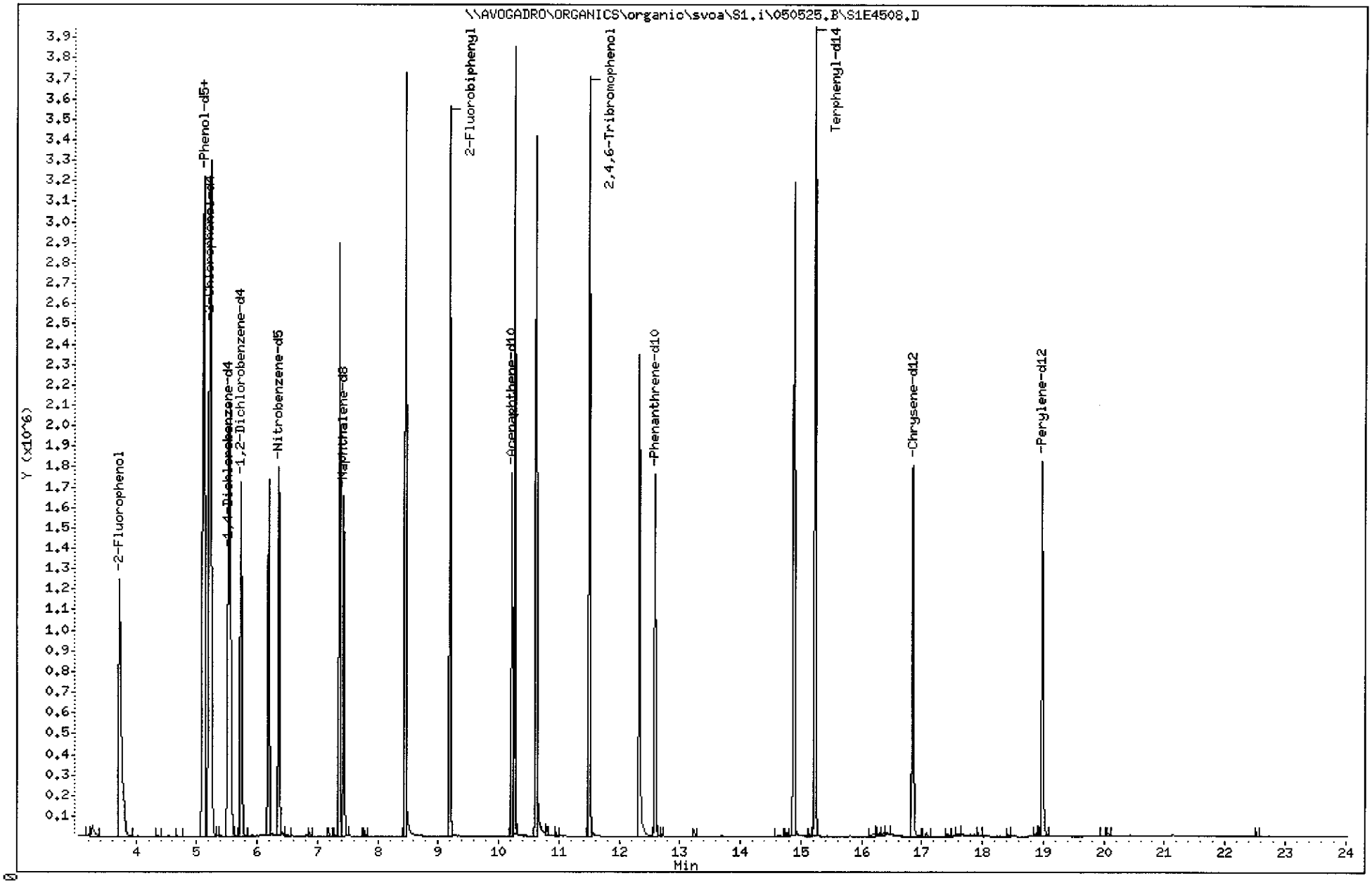
GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	75	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	44	
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	83	E
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	44	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4508.D
Date : 25-MAY-2005 10:02
Client ID: S1WLCS
Sample Info: LCS-18091,S1WLCS,18091
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S1.i
Operator: AW SRC: LIMS
Column diameter: 0.25



0402

Data File: S1E4508.D
Report Date: 25-May-2005 14:36

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4508.D
Lab Smp Id: LCS-18091 Client Smp ID: S1WLCS
Inj Date : 25-MAY-2005 10:02
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : LCS-18091,S1WLCS,18091
Misc Info : 2,2,SSTD050,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
$	1	2-Fluorophenol	112	3.729	3.726	(0.675)	950014	112.087	56
$	3	Phenol-d5	99	5.112	5.098	(0.926)	1045917	110.063	55
	4	Phenol	94	5.133	5.120	(0.930)	1142764	120.008	60
$	6	2-Chlorophenol-d4	132	5.209	5.206	(0.943)	1139376	111.593	56
	7	2-Chlorophenol	128	5.231	5.228	(0.947)	1132976	120.225	60
*	8	1,4-Dichlorobenzene-d4	152	5.522	5.520	(1.000)	309175	40.0000	(Q)
$	9	1,2-Dichlorobenzene-d4	152	5.738	5.736	(1.039)	455201	62.8314	31
	14	N-Nitroso-di-n-propylamine	70	6.192	6.200	(1.121)	468551	76.0467	38
$	16	Nitrobenzene-d5	82	6.365	6.373	(0.856)	784956	84.5614	42
*	23	Naphthalene-d8	136	7.434	7.443	(1.000)	1080842	40.0000	
	28	4-Chloro-3-Methylphenol	107	8.461	8.480	(1.138)	928298	141.040	71
$	33	2-Fluorobiphenyl	172	9.195	9.204	(0.900)	1420662	80.2503	40
*	41	Acenaphthene-d10	164	10.222	10.219	(1.000)	578022	40.0000	
	42	Acenaphthene	153	10.276	10.273	(1.005)	1294491	91.5528	46

Data File: S1E4508.D
Report Date: 25-May-2005 14:36

			QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)	
	44	4-Nitrophenol ✓	109	10.621	10.630	(1.039)	385346	150.585		75(R)
	46	2,4-Dinitrotoluene ✓	165	10.632	10.630	(1.040)	543616	88.9311		44
$	53	2,4,6-Tribromophenol	330	11.497	11.505	(0.913)	726274	136.806		68
	57	Pentachlorophenol ✓	266	12.328	12.337	(0.979)	483967	166.833		83(AR)
*	58	Phenanthrene-d10	188	12.599	12.596	(1.000)	994520	40.0000		
	64	Pyrene ✓	202	14.900	14.886	(0.884)	2364977	87.9768		44
$	65	Terphenyl-d14	244	15.235	15.232	(0.904)	1967374	95.8352		48
*	69	Chrysene-d12	240	16.855	16.863	(1.000)	1091720	40.0000		
*	76	Perylene-d12	264	18.983	18.992	(1.000)	1004047	40.0000		

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

05/26/05
1f

KC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1WLCSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: LCSD-18091

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4509

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: _____

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	54	
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	49	
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	36	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	65	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	37	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1WLCSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) WATER Lab Sample ID: LCSD-18091

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4509

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: _____

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

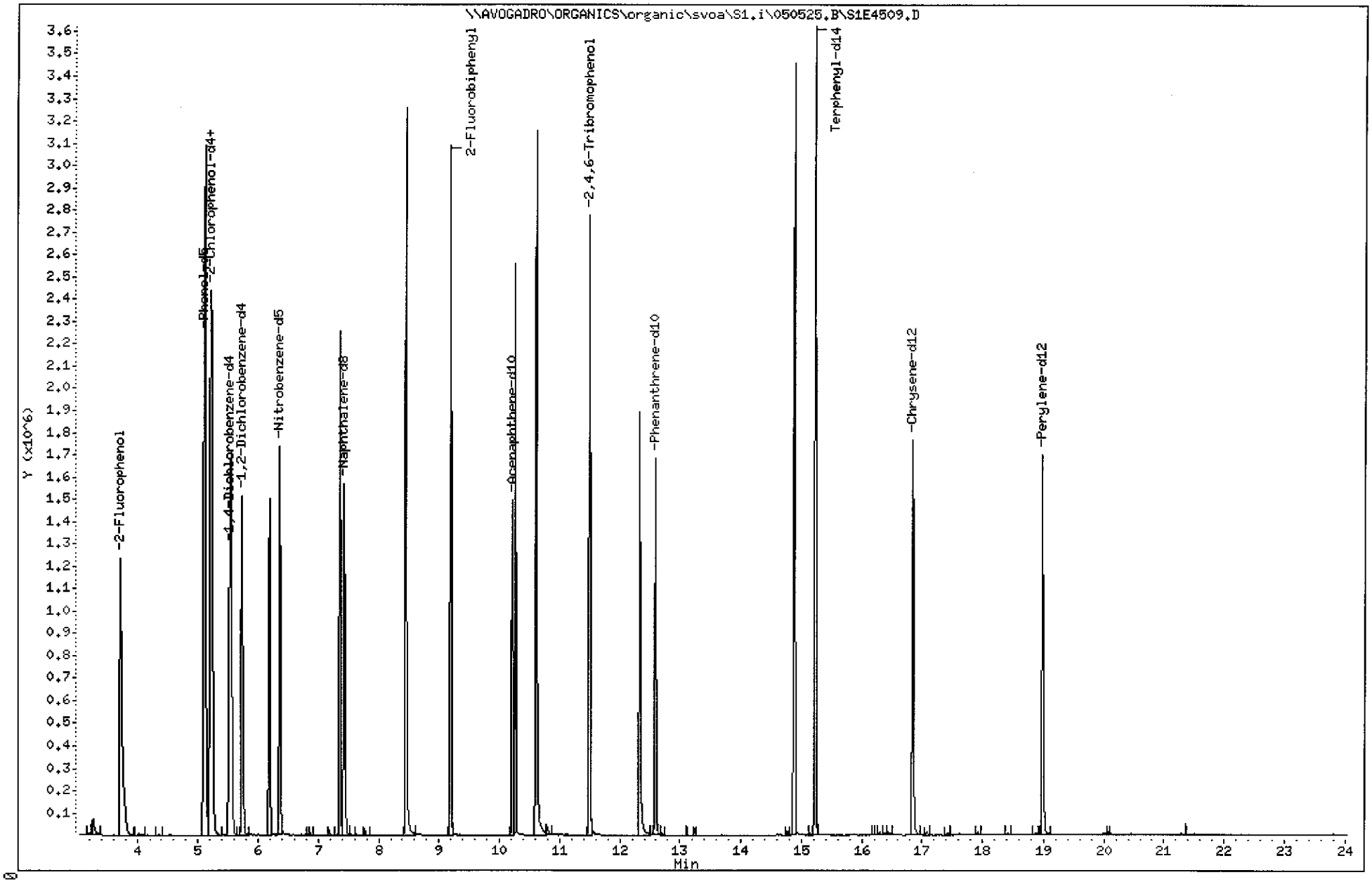
GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	65	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	37	
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	73	
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	47	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4509.D
Date : 25-MAY-2005 10:33
Client ID: S1WLCSD
Sample Info: LCSD-18091,S1WLCSD,18091
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S1.i
Operator: AW SRC: AW
Column diameter: 0.25



0407

Data File: S1E4509.D
Report Date: 26-May-2005 16:11

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4509.D
Lab Smp Id: LCSD-18091 Client Smp ID: S1WLCSD
Inj Date : 25-MAY-2005 10:33
Operator : AW SRC: AW Inst ID: S1.i
Smp Info : LCSD-18091,S1WLCSD,18091
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 4 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET1

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)	
$	1 2-Fluorophenol	112	3.719	3.726	(0.673)	820790	106.553	53	
$	3 Phenol-d5	99	5.101	5.098	(0.924)	963133	111.516	56	
	4 Phenol	94	5.123	5.120	(0.928)	939463	108.553	54	
$	6 2-Chlorophenol-d4	132	5.210	5.206	(0.943)	926794	99.8762	50	
	7 2-Chlorophenol	128	5.231	5.228	(0.947)	836080	97.6181	49	
*	8 1,4-Dichlorobenzene-d4	152	5.523	5.520	(1.000)	280993	40.0000		(Q)
$	9 1,2-Dichlorobenzene-d4	152	5.728	5.736	(1.037)	376724	57.2144	29	
	14 N-Nitroso-di-n-propylamine	70	6.193	6.200	(1.121)	397849	71.0478	36	
$	16 Nitrobenzene-d5	82	6.366	6.373	(0.856)	654488	83.5597	42	
*	23 Naphthalene-d8	136	7.435	7.443	(1.000)	911999	40.0000		
	28 4-Chloro-3-Methylphenol	107	8.451	8.480	(1.137)	726866	130.881	65	
$	33 2-Fluorobiphenyl	172	9.196	9.204	(0.901)	1215735	74.3240	37	
*	41 Acenaphthene-d10	164	10.212	10.219	(1.000)	534085	40.0000		
	42 Acenaphthene	153	10.266	10.273	(1.005)	975744	74.6866	37	

Data File: S1E4509.D
Report Date: 26-May-2005 16:11

			QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON COLUMN (ng)	FINAL (ug/L)
Compounds									
44	4-Nitrophenol	✓	109	10.622	10.630	(1.040)	308695	130.556	65(R)
46	2,4-Dinitrotoluene	✓	165	10.622	10.630	(1.040)	422536	74.8099	37
$ 53	2,4,6-Tribromophenol		330	11.497	11.505	(0.913)	586407	125.576	63
57	Pentachlorophenol	✓	266	12.329	12.337	(0.979)	372863	146.123	73
* 58	Phenanthrene-d10		188	12.588	12.596	(1.000)	874804	40.0000	
64	Pyrene	✓	202	14.890	14.886	(0.884)	2197151	94.5664	47
$ 65	Terphenyl-d14		244	15.235	15.232	(0.904)	1646225	92.7818	46
* 69	Chrysene-d12		240	16.845	16.863	(1.000)	943573	40.0000	
* 76	Perylene-d12		264	18.984	18.992	(1.000)	913301	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

05/26/05 MJ

KC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1XLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18109

Sample wt/vol: 30.0(g/mL) G Lab File ID: S1E4511

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N)N Date Extracted: 05/13/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/25/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	1600	
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	1600	
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	900	
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	1700	
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	1300	

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

S1XLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18109

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4511

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

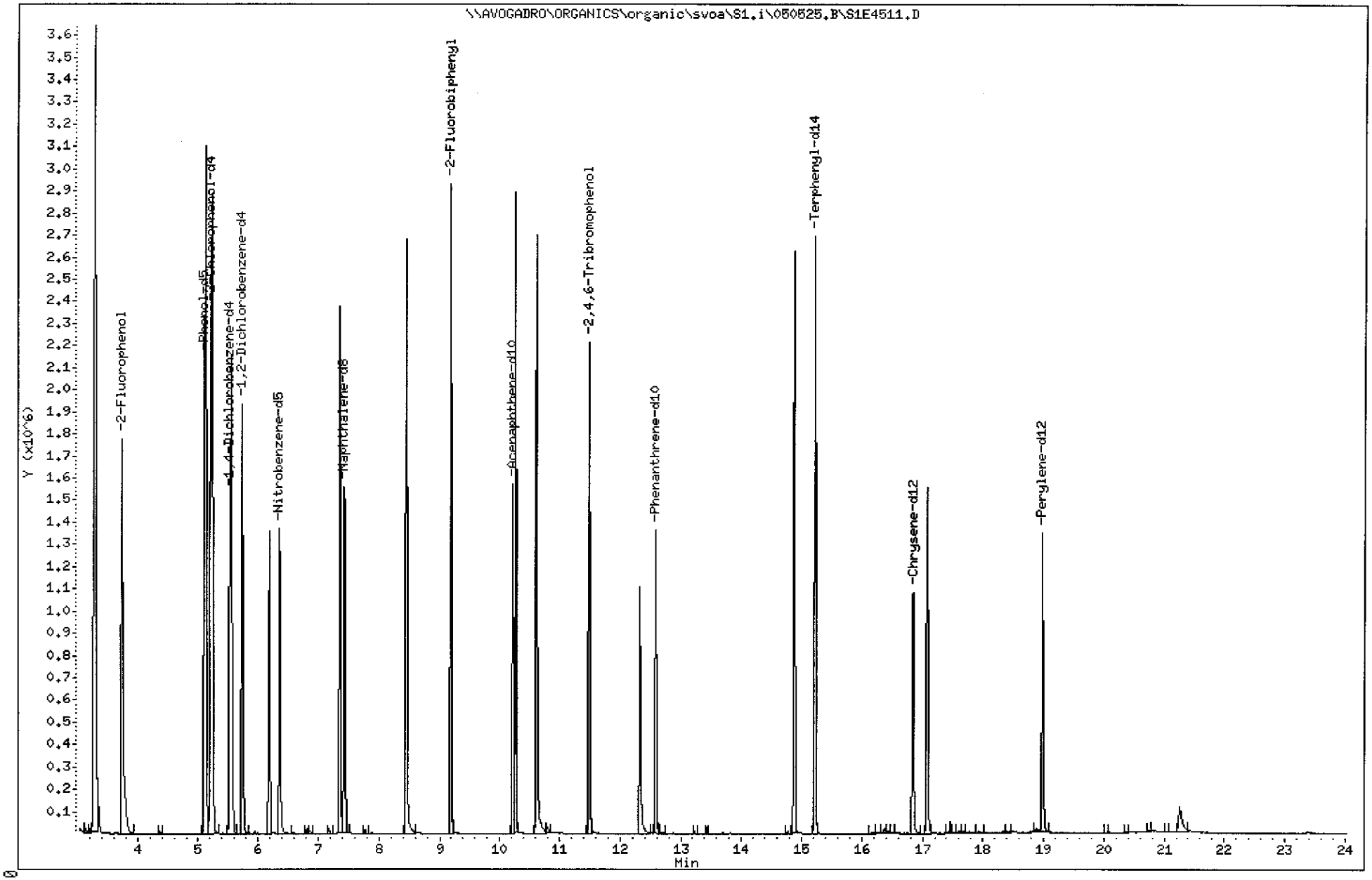
Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	1900	
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	1200	
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	1600	
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	1700	
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	1100	
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4511.D
Date : 25-MAY-2005 11:36
Client ID: S1XLCS
Instrument: S1.i
Sample Info: LCS-18109,S1XLCS,18109
Volume Injected (uL): 2.0
Operator: AW SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



0412

Data File: S1E4511.D
Report Date: 25-May-2005 14:43

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4511.D
Lab Smp Id: LCS-18109 Client Smp ID: S1XLCS
Inj Date : 25-MAY-2005 11:36
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : LCS-18109,S1XLCS,18109
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.000	% Moisture

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$	1 2-Fluorophenol	112	3.747	3.726	(0.679)	853010	95.7910	1600
$	3 Phenol d5	99	5.109	5.098	(0.926)	864314	86.5689	1400
	4 Phenol	94	5.130	5.120	(0.930)	933610	93.3184	1600
$	6 2-Chlorophenol-d4	132	5.206	5.206	(0.943)	973637	90.7641	1500
	7 2 Chlorophenol	128	5.238	5.228	(0.949)	930881	94.0188	1600
*	8 1,4-Dichlorobenzene-d4	152	5.519	5.520	(1.000)	324831	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.735	5.736	(1.039)	408027	53.6055	890
	14 N-Nitroso-di-n-propylamine	70	6.189	6.200	(1.121)	350827	54.1955	900
$	16 Nitrobenzene-d5	82	6.362	6.373	(0.855)	598596	63.0477	1100
*	23 Naphthalene-d8	136	7.442	7.443	(1.000)	1105487	40.0000	
	28 4-Chloro-3-Methylphenol	107	8.458	8.480	(1.136)	696708	103.494	1700
$	33 2-Fluorobiphenyl	172	9.192	9.204	(0.900)	1157146	72.3799	1200
*	41 Acenaphthene-d10	164	10.219	10.219	(1.000)	522000	40.0000	

Data File: S1E4511.D
Report Date: 25-May-2005 14:43

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
	42	Acenaphthene ✓	153	10.273	10.273	(1.005)	1007671	78.9161	1300
	44	4-Nitrophenol ✓	109	10.618	10.630	(1.039)	258325	111.782	1900
	46	2,4-Dinitrotoluene ✓	165	10.618	10.630	(1.039)	387819	70.2529	1200
$	53	2,4,6-Tribromophenol	330	11.494	11.505	(0.913)	450105	109.278	1800
	57	Pentachlorophenol ✓	266	12.325	12.337	(0.979)	214918	95.4886	1600
*	58	Phenanthrene-d10	188	12.596	12.596	(1.000)	771615	40.0000	
	64	Pyrene ✓	202	14.886	14.886	(0.883)	1616293	100.241	1700
$	65	Terphenyl-d14	244	15.232	15.232	(0.904)	1181761	95.9734	1600
*	69	Chrysene-d12	240	16.852	16.863	(1.000)	654829	40.0000	
	71	bis(2-Ethylhexyl)phthalate	149	17.079	17.079	(1.013)	799359	65.5898	1100
*	76	Perylene-d12	264	18.980	18.992	(1.000)	684521	40.0000	

or kg/or
AW

KC

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01AMS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4517

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	1800	
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	1700	
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	1100	
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-Methylphenol	2100	
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	1300	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01AMS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4517

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

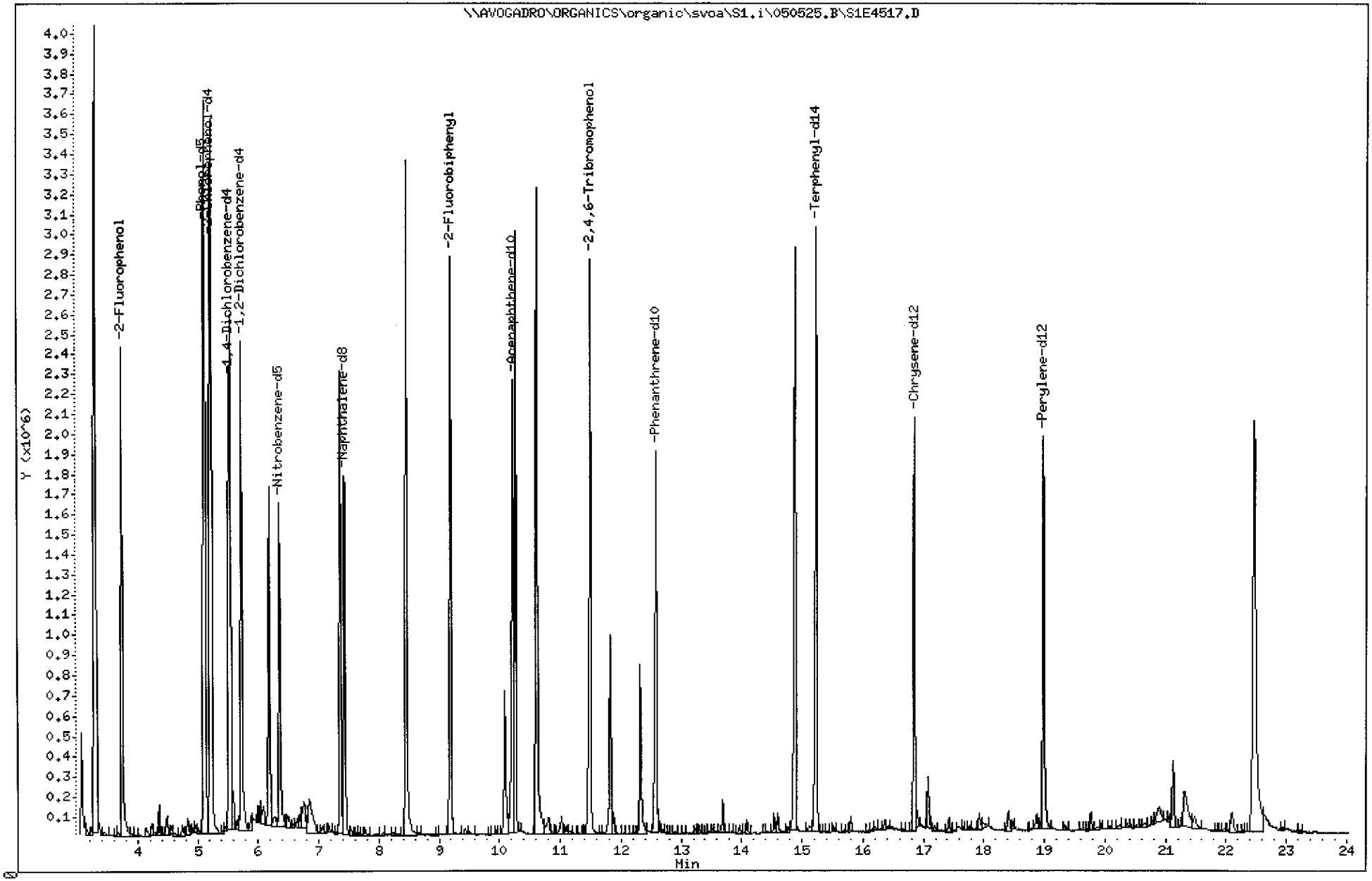
Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	2200	
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	1200	
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1100	
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	69	J
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	1800	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	150	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	59	J
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) - Cannot be separated from Diphenylamine

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4517.D
Date : 25-MAY-2005 15:20
Client ID: B-390MS
Instrument: S1.i
Sample Info: D0529-01AMS,,18109,,
Volume Injected (uL): 2.0
Operator: AW SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



0417

Data File: S1E4517.D
Report Date: 26-May-2005 16:08

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4517.D
Lab Smp Id: D0529-01AMS Client Smp ID: B-390MS
Inj Date : 25-MAY-2005 15:20
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0529-01AMS,,18109,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 11 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET1

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	17.000	% Moisture

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$	1 2-Fluorophenol	112	3.747	3.726	(0.679)	996059	78.4204	1600
$	3 Phenol-d5	99	5.108	5.098	(0.926)	1161162	81.5374	1600
	4 Phenol	94	5.130	5.120	(0.930)	1288565	90.2988	1800
$	6 2-Chlorophenol-d4	132	5.205	5.206	(0.943)	1198210	78.3111	1600
	7 2-Chlorophenol	128	5.237	5.228	(0.949)	1216205	86.1194	1700
*	8 1,4-Dichlorobenzene-d4	152	5.518	5.520	(1.000)	463323	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.734	5.736	(1.039)	496676	45.7475	920
	14 N-Nitroso-di-n-propylamine	70	6.188	6.200	(1.121)	500151	54.1683	1100
$	16 Nitrobenzene-d5	82	6.361	6.373	(0.855)	731472	57.4376	1200
*	23 Naphthalene-d8	136	7.441	7.443	(1.000)	1482829	40.0000	
	28 4-Chloro 3-Methylphenol	107	8.457	8.480	(1.136)	962577	106.601	2100
$	33 2-Fluorobiphenyl	172	9.192	9.204	(0.900)	1385799	57.5186	1200
*	41 Acenaphthene-d10	164	10.218	10.219	(1.000)	786670	40.0000	

Data File: S1E4517.D
Report Date: 26-May-2005 16:08

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
	42 Acenaphthene	153	10.272	10.273	(1.005)	1260349	65.4961	1300
	44 4-Nitrophenol	109	10.618	10.630	(1.039)	381256	109.471	2200
	46 2,4-Dinitrotoluene	165	10.628	10.630	(1.040)	503933	60.5740	1200
$	53 2,4,6-Tribromophenol	330	11.493	11.505	(0.913)	654546	102.766	2100
	57 Pentachlorophenol	266	12.325	12.337	(0.979)	195084	56.0519	1100
*	58 Phenanthrene-d10	188	12.595	12.596	(1.000)	1193192	40.0000	
	62 Di n-butylphthalate	149	13.686	13.698	(1.087)	141850	3.45826	69(a)
	64 Pyrene	202	14.896	14.886	(0.884)	2414933	89.2252	1800
$	65 Terphenyl-d14	244	15.231	15.232	(0.904)	1579032	76.3959	1500
*	69 Chrysene-d12	240	16.851	16.863	(1.000)	1099183	40.0000	
	71 bis(2-Ethylhexyl)phthalate	149	17.067	17.079	(1.013)	151811	7.42089	150(a)
	75 Benzo(a)pyrene	252	19.023	18.916	(1.002)	92654	2.94651	59(a)
*	76 Perylene-d12	264	18.980	18.992	(1.000)	1063998	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

05/26/05
AJ

KC

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01AMSD

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4518

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	2100	
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	1900	
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	1300	
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-Methylphenol	1600	
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	1400	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01AMSD

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1E4518

Level: (low/med) LOW Date Received: 05/07/05

% Moisture: 17 Decanted: (Y/N) N Date Extracted: 05/13/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 05/25/05

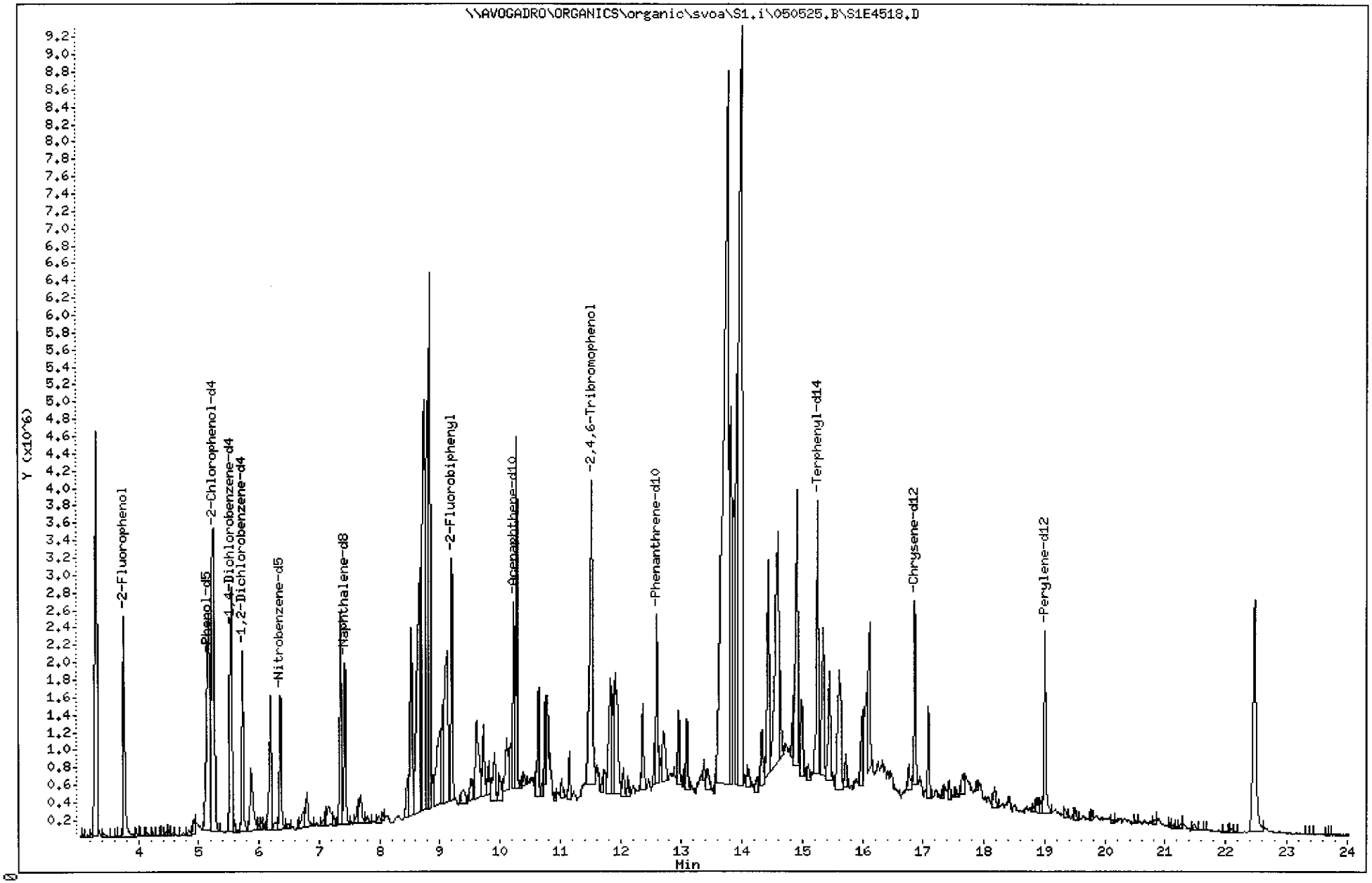
Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	3000	
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	1100	
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	1400	
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	430	
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) - Cannot be separated from Diphenylamine

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4518.D
Date : 25-MAY-2005 15:52
Client ID: B-390MSD
Instrument: S1.i
Sample Info: D0529-01AMSD,,18109,,
Volume Injected (uL): 2.0
Operator: AW SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



0222

Data File: S1E4518.D
Report Date: 27-May-2005 16:12

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4518.D
Lab Smp Id: D0529-01AMSD Client Smp ID: B-390MSD
Inj Date : 25-MAY-2005 15:52
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0529-01AMSD,,18109,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 12 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET1

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	17.000	% Moisture

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$	1 2-Fluorophenol	112	3.761	3.726	(0.681)	1061862	84.7916	1700
$	3 Phenol-d5	99	5.144	5.098	(0.932)	1213076	86.3958	1700
	4 Phenol ✓	94	5.176	5.120	(0.937)	1444844	102.692	2100
$	6 2-Chlorophenol-d4 ✓	132	5.230	5.206	(0.947)	1265258	83.8707	1700
	7 2-Chlorophenol ✓	128	5.252	5.228	(0.951)	1289773	92.6292	1900
*	8 1,4-Dichlorobenzene-d4	152	5.522	5.520	(1.000)	456818	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.738	5.736	(1.039)	473492	44.2331	890
	14 N-Nitroso-di-n-propylamine ✓	70	6.202	6.200	(1.123)	577613	63.4486	1300
$	16 Nitrobenzene-d5	82	6.364	6.373	(0.856)	851844	66.2219	1300
*	23 Naphthalene-d8 ✓	136	7.434	7.443	(1.000)	1497779	40.0000	
	28 4-Chloro-3-Methylphenol	107	8.525	8.480	(1.147)	735704	80.6627	1600 (MH)
$	33 2-Fluorobiphenyl	172	9.206	9.204	(0.901)	1315831	67.2224	1300
*	41 Acenaphthene-d10	164	10.221	10.219	(1.000)	639126	40.0000	

MS peak not integrated
MJ 05/27/05

Data File: S1E4518.D
Report Date: 27-May-2005 16:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
42	Acenaphthene	153	10.275	10.273	(1.005)	1100295	70.3785	1400
44	4 Nitrophenol	109	10.751	10.630	(1.052)	421233	148.872	3000(H)
46	2,4 Dinitrotoluene	165	10.643	10.630	(1.041)	386885	57.2402	1100
$ 53	2,4,6-Tribromophenol	330	11.518	11.505	(0.914)	566646	102.313	2100
57	Pentachlorophenol	266	12.360	12.337	(0.981)	210411	69.5257	1400
* 58	Phenanthrene-d10	188	12.598	12.596	(1.000)	1037534	40.0000	
64	Pyrene	202	14.921	14.886	(0.885)	2351175	77.9621	1600(H)
$ 65	Terphenyl-d14	244	15.245	15.232	(0.904)	1587676	68.9378	1400
* 69	Chrysene-d12	240	16.865	16.863	(1.000)	1224768	40.0000	
71	bis(2-Ethylhexyl)phthalate	149	17.081	17.079	(1.013)	491863	21.5781	430
* 76	Perylene-d12	264	19.005	18.992	(1.000)	1110466	40.0000	

QC Flag Legend

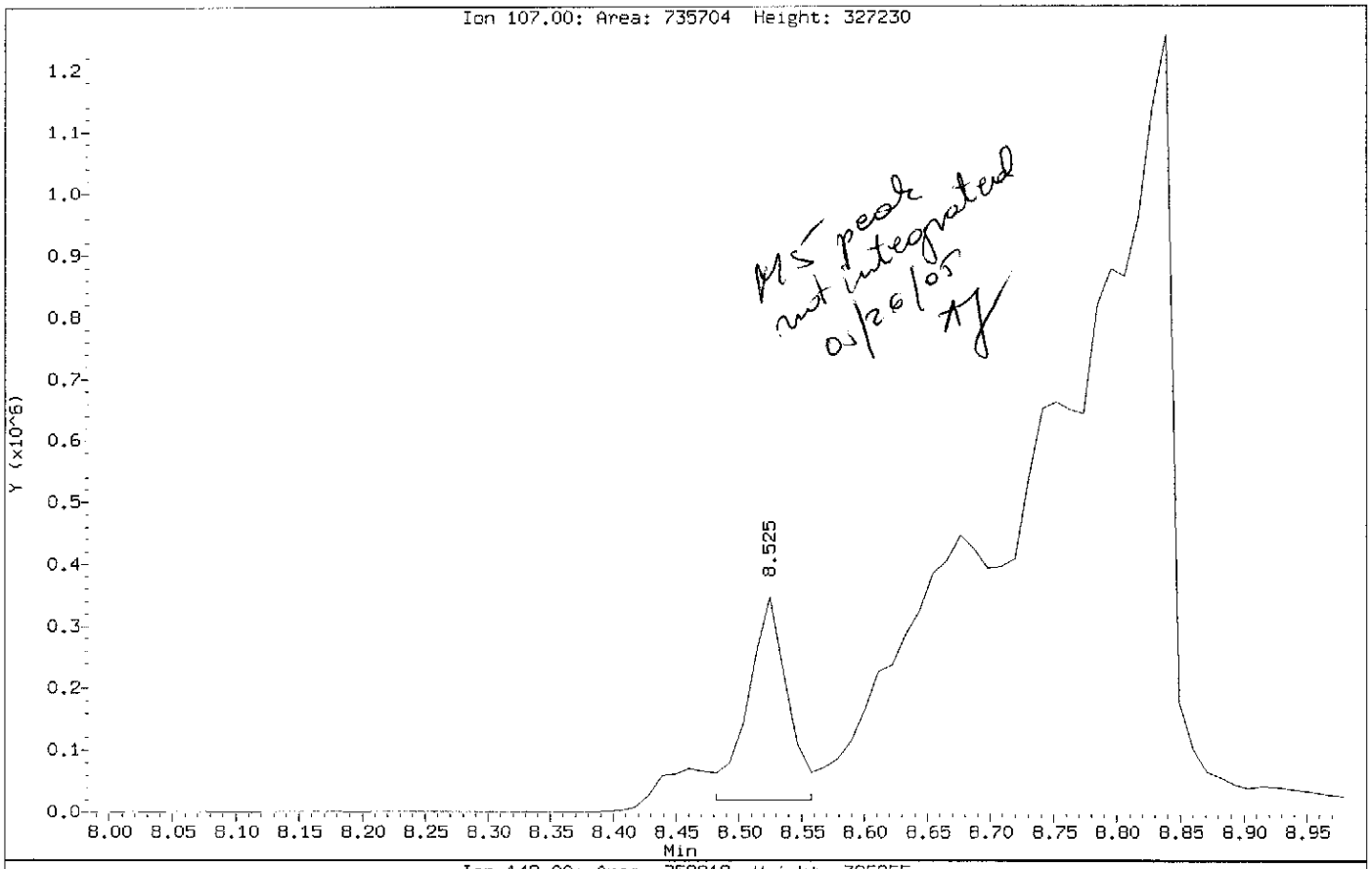
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

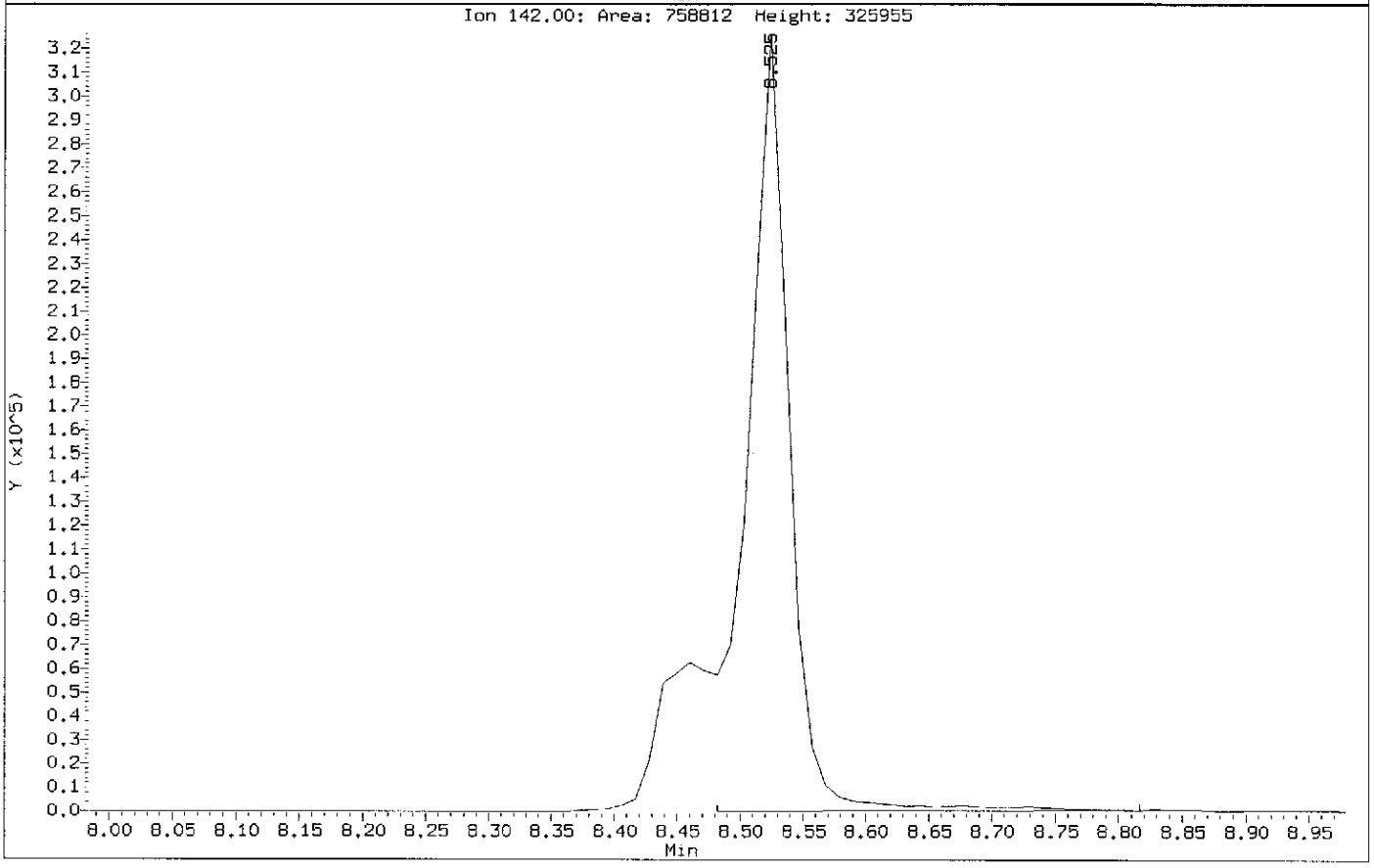
05/27/05
AJ

KL

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4518.D
Injection Date: 25-MAY-2005 15:52
Instrument: S1.i
Client Sample ID: B-390MSD

Compound: 4-Chloro-3-Methylphenol
CAS Number: 59-50-7





MIT

0426

COLUMN ID: 5A

Position #	Date
1	5.19.05
2	
3	
4	
5	5.19.5
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	

Logbook ID 50.01 7-1

Acceptance Criteria: C

ERC 1 05.05.19 UV-1
SVOA Pump 30:00
Collect 25:00
Vent 10:00
Rest Pump 21:00
Collect 18:00
Vent 10:00

Copan Oil Belip

Methoxyphenol

Propylene

Resolution 94%

Sulfur

FRACT BEGIN

100 90 80 70 60 50 40 30 20 10 0

PRINTED IN U.S.A.

OGBOOK

TION VOLUME: 5mL

ents

Rate: 5.09 mL/min

MITKE 0427

COLUMN ID: S-XSL

Date	Position #
5/13/05	1
	2
	3
	4
5/12/05	5
	6
	7
	8
	9
	10
	11
	12
	13
	14
	15
	16
	17
	18
	19
	20
	21
	22
	23

Logbook ID 50.0187-11/0

Acceptance Criteria: Corn oil & ...
Phthala ...
Methox ...
Perylen ...

Revie ...

REORDER# 8377-01

0 10 20 30 40 50 60 70 80 90 100

Corn oil
Base
Methoxyclor
Perylene
45% Resolution
Sulfon

Grill OSDSTS 6WJ
Soda Dump
Collect
Wash 1000
Collect Dump
Collect
Wash 1000
No TRACE IS GIND

BOOK

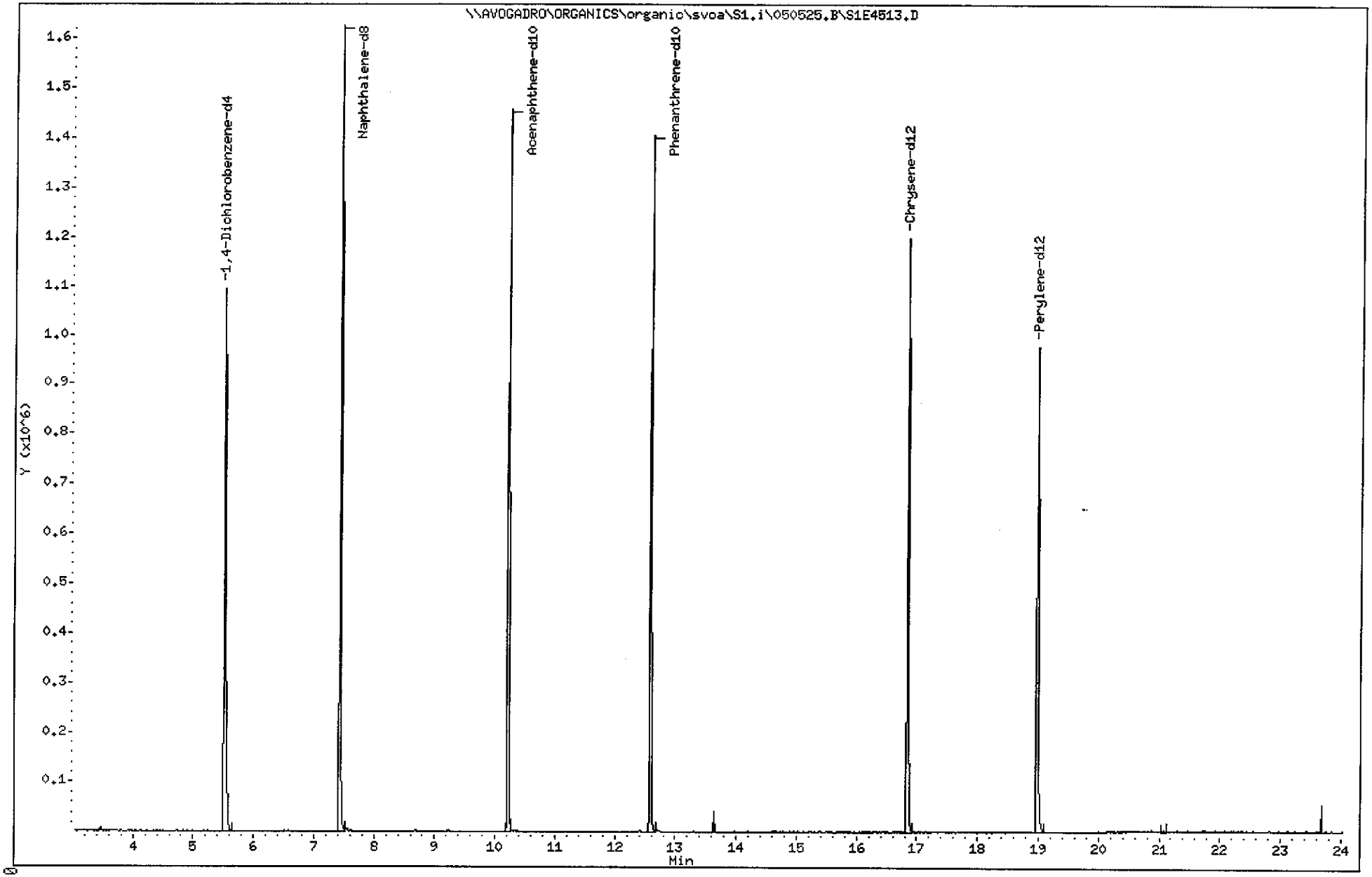
VOLUME: Sml

S.08mL/min

Data Fi.. \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4513.D
Date : 25-MAY-2005 13:10
Client ID:
Sample Info: GPC-CHECK-SB1
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S1.i

Operator: AW SRC: AW
Column diameter: 0.25



Data File: S1E4513.D
Report Date: 25-May-2005 14:45

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4513.D
Lab Smp Id: GPC-CHECK-SB1
Inj Date : 25-MAY-2005 13:10
Operator : AW SRC: AW Inst ID: S1.i
Smp Info : GPC-CHECK-SB1
Misc Info : 050519
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

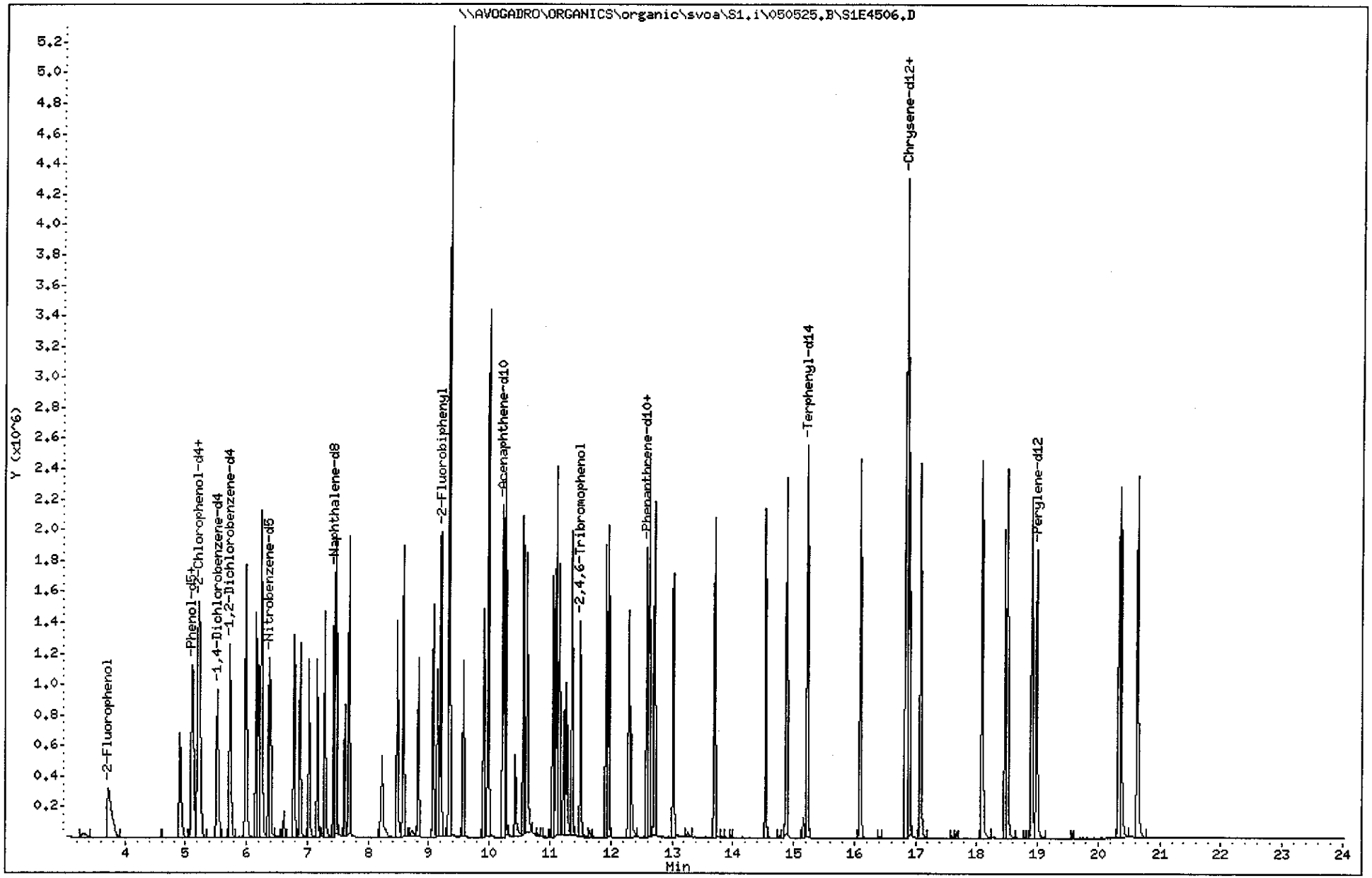
Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 8 1,4-Dichlorobenzene-d4	152	5.510	5.520	(1.000)	286726	40.0000	
* 23 Naphthalene-d8	136	7.433	7.443	(1.000)	980410	40.0000	
* 41 Acenaphthene-d10	164	10.210	10.219	(1.000)	468662	40.0000	
* 58 Phenanthrene-d10	188	12.586	12.596	(1.000)	667867	40.0000	
* 69 Chrysene-d12	240	16.843	16.863	(1.000)	627068	40.0000	
* 76 Perylene-d12	264	18.982	18.992	(1.000)	573023	40.0000	

05/26/05 AU

Data Fi... \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4506.D
Date : 25-MAY-2005 08:53
Client ID: SSTD0501W
Instrument: S1.i
Sample Info: SSTD0501W,SSTD0501W
Operator: AW SRC: AW
Column phase: DB-5MS
Column diameter: 0.25



0430

Data File: S1E4506.D
Report Date: 25-May-2005 14:34

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\S1E4506.D
Lab Smp Id: SSTD0501W Client Smp ID: SSTD0501W
Inj Date : 25-MAY-2005 08:53
Operator : AW SRC: AW Inst ID: S1.i
Smp Info : SSTD0501W,SSTD0501W
Misc Info : 2,2,SSTD050,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050525.B\s1_olm4_2_S.m
Meth Date : 25-May-2005 09:24 mtl Quant Type: ISTD
Cal Date : 25-MAY-2005 08:53 Cal File: S1E4506.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	1 2-Fluorophenol	112	3.726	3.726	(0.675)	407277	50.0000	46
	2 Benzaldehyde	77	4.904	4.904	(0.888)	268669	50.0000	72
$	3 Phenol-d5	99	5.098	5.098	(0.924)	456636	50.0000	54
	4 Phenol	94	5.120	5.120	(0.928)	457571	50.0000	57
	5 bis(2-Chloroethyl)Ether	93	5.196	5.196	(0.941)	317860	50.0000	46
$	6 2-Chlorophenol-d4	132	5.206	5.206	(0.943)	490618	50.0000	51
	7 2-Chlorophenol	128	5.228	5.228	(0.947)	452835	50.0000	53
*	8 1,4-Dichlorobenzene-d4	152	5.520	5.520	(1.000)	297131	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.736	5.736	(1.039)	348129	50.0000	50
	10 2-Methylphenol	108	5.995	5.995	(1.086)	328658	50.0000	55
	11 2,2'-oxybis(1-Chloropropane)	45	5.984	5.984	(1.084)	522349	50.0000	56
	12 Acetophenone	105	6.157	6.157	(1.115)	541533	50.0000	56
	13 4-Methylphenol	108	6.233	6.233	(1.129)	352891	50.0000	54
	14 N-Nitroso-di-n-propylamine	70	6.200	6.200	(1.123)	296067	50.0000	60
	15 Hexachloroethane	117	6.243	6.243	(1.131)	236147	50.0000	54
$	16 Nitrobenzene-d5	82	6.373	6.373	(0.856)	482857	50.0000	44
	17 Nitrobenzene	77	6.406	6.406	(0.861)	435644	50.0000	45
	18 Isophorone	82	6.784	6.784	(0.911)	742907	50.0000	46
	19 2-Nitrophenol	139	6.881	6.881	(0.925)	292685	50.0000	46
	20 2,4-Dimethylphenol	107	7.032	7.032	(0.945)	290778	50.0000	50
	21 bis(2-Chloroethoxy)methane	93	7.162	7.162	(0.962)	440545	50.0000	49
	22 2,4-Dichlorophenol	162	7.281	7.281	(0.978)	386334	50.0000	39
*	23 Naphthalene-d8	136	7.443	7.443	(1.000)	1124444	40.0000	
	24 Naphthalene	128	7.475	7.475	(1.004)	1149225	50.0000	45
	25 4-Chloroaniline	127	7.615	7.615	(1.023)	368539	50.0000	48
	26 Hexachlorobutadiene	225	7.691	7.691	(1.033)	303333	50.0000	41

Data File: S1E4506.D
Report Date: 25-May-2005 14:34

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	27	Caprolactam	113	8.231	8.231	(1.106)	127962	50.0000	55
	28	4-Chloro-3-Methylphenol	107	8.480	8.480	(1.139)	342366	50.0000	46
	29	2-Methylnaphthalene	142	8.577	8.577	(1.152)	748304	50.0000	42
	30	Hexachlorocyclopentadiene	237	8.825	8.825	(0.864)	233174	50.0000	38
	31	2,4,6-Trichlorophenol	196	9.074	9.074	(0.888)	287890	50.0000	42
	32	2,4,5-Trichlorophenol	196	9.150	9.150	(0.895)	306045	50.0000	39
$	33	2-Fluorobiphenyl	172	9.204	9.204	(0.901)	948053	50.0000	41
	34	1,1'-Biphenyl	154	9.344	9.344	(0.914)	1100580	50.0000	48
	35	2-Chloronaphthalene	162	9.344	9.344	(0.914)	869830	50.0000	48
	36	2-Nitroaniline	65	9.571	9.571	(0.937)	278004	50.0000	54
	37	Dimethylphthalate	163	9.906	9.906	(0.969)	888937	50.0000	41
	38	2,6-Dinitrotoluene	165	9.992	9.992	(0.978)	256520	50.0000	49
	39	Acenaphthylene	152	9.992	9.992	(0.978)	1261622	50.0000	49
	40	3-Nitroaniline	138	10.241	10.241	(1.002)	253373	50.0000	53
*	41	Acenaphthene-d10	164	10.219	10.219	(1.000)	619103	40.0000	
	42	Acenaphthene	153	10.273	10.273	(1.005)	757209	50.0000	45
	43	2,4-Dinitrophenol	184	10.424	10.424	(1.020)	134911	50.0000	32
	44	4-Nitrophenol	109	10.630	10.630	(1.040)	137043	50.0000	42
	45	Dibenzofuran	168	10.554	10.554	(1.033)	1196363	50.0000	45
	46	2,4-Dinitrotoluene	165	10.630	10.630	(1.040)	327361	50.0000	45
	47	Diethylphthalate	149	11.051	11.051	(1.081)	1066543	50.0000	47
	48	Fluorene	166	11.105	11.105	(1.087)	922795	50.0000	46
	49	4-Chlorophenyl-phenylether	204	11.159	11.159	(1.092)	470954	50.0000	46
	50	4-Nitroaniline	138	11.235	11.235	(1.099)	230124	50.0000	64
	51	4,6-Dinitro-2-methylphenol	198	11.278	11.278	(0.889)	212091	50.0000	43
	52	N-Nitrosodiphenylamine	169	11.364	11.364	(0.896)	619055	50.0000	45
$	53	2,4,6-Tribromophenol	330	11.505	11.505	(0.907)	271894	50.0000	50
	54	4-Bromophenyl-phenylether	248	11.926	11.926	(0.940)	331449	50.0000	49
	55	Hexachlorobenzene	284	11.969	11.969	(0.944)	418528	50.0000	51
	56	Atrazine	200	12.304	12.304	(0.970)	237986	50.0000	44(H)
	57	Pentachlorophenol	266	12.337	12.337	(0.973)	148573	50.0000	35
*	58	Phenanthrene-d10	188	12.596	12.596	(1.000)	1018707	40.0000	(H)
	59	Phenanthrene	178	12.639	12.639	(0.997)	1335340	50.0000	47(H)
	60	Anthracene	178	12.715	12.715	(1.003)	1307548	50.0000	49
	61	Carbazole	167	13.028	13.028	(1.027)	1163357	50.0000	50
	62	Di-n-butylphthalate	149	13.698	13.698	(1.080)	1750976	50.0000	47
	63	Fluoranthene	202	14.541	14.541	(1.147)	1363216	50.0000	45
	64	Pyrene	202	14.886	14.886	(0.883)	1559211	50.0000	38
$	65	Terphenyl-d14	244	15.232	15.232	(0.903)	1190716	50.0000	39
	66	Butylbenzylphthalate	149	16.096	16.096	(0.955)	911874	50.0000	45
	67	3,3'-Dichlorobenzidine	252	16.863	16.863	(1.000)	475074	50.0000	50
	68	Benzo(a)anthracene	228	16.842	16.842	(0.999)	1593461	50.0000	41(H)
*	69	Chrysene-d12	240	16.863	16.863	(1.000)	1266448	40.0000	
	70	Chrysene	228	16.907	16.907	(1.003)	1364307	50.0000	38
	71	bis(2-Ethylhexyl)phthalate	149	17.079	17.079	(1.013)	1178514	50.0000	43
	72	Di-n-octylphthalate	149	18.084	18.084	(0.952)	2171652	50.0000	54
	73	Benzo(b)fluoranthene	252	18.473	18.473	(0.973)	1727239	50.0000	43

Data File: S1E4506.D
Report Date: 25-May-2005 14:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	74 Benzo(k)fluoranthene	252	18.516	18.516	(0.975)	1689985	50.0000	45
	75 Benzo(a)pyrene	252	18.916	18.916	(0.996)	1438842	50.0000	48
*	76 Perylene-d12	264	18.992	18.992	(1.000)	973706	40.0000	
	77 Indeno(1,2,3-cd)pyrene	276	20.342	20.342	(1.071)	1737180	50.0000	45
	78 Dibenzo(a,h)anthracene	278	20.364	20.364	(1.072)	1406744	50.0000	45
	79 Benzo(g,h,i)perylene	276	20.645	20.645	(1.087)	1632503	50.0000	51

QC Flag Legend

H - Operator selected an alternate compound hit.

07/26/05
AV

MITKEM CORPORATION: INSTRUMENT GPC 1 LOGBOOK

COLUMN ID: S-X3-A11 | DATE CALIBRATED: 5-19-5 | INJECTION VOLUME: 5 mL

Date	Position #	Project ID	Sample ID	Analysis	Analyst	Comments
5-19-05	1	05-05-19	UW1	GPC CAL	JS	
	2		SB1	GPC CHECK		
	3		PB1			
	4		PMS1			
5-19-5	5	05 05 19	AROC1	GPC CHECK	JS	
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					

5/19/5

Logbook ID 50.0187-11/04

Flow Rate: 5.09 ml/min

Acceptance Criteria: Corn oil & phthalate peaks > 85.0% resolution
Phthalate & methoxyclor peaks > 85.0% resolution
Methoxychlor & perylene peaks > 85.0% resolution
Perylene & sulfur peaks: No saturation & > 90.0% baseline resolution

Reviewed by_____

Page #: 040

MITKEM CORPORATION: ORGANIC PREP - CLP Semvolatiles

Date	Analysis	Method & SOP #	AQ: 3510C(SepF) 3520C(Liq/Liq) Other:	Sample Matrix	Project(s)
5/12/05	Clin Susp		Soil: 3540C(Soxhlet) 3550B(Sonic)	Aqueous Soil Other:	D0529

Blank ID	LCS ID	Analyst:	Spiker:	Witness:	Solvent Lot #	Acid Lot #	Time Started: / Time Ended:	GPC Batch #
18091	18091	B	B	SK	B12E02 Mecl	OWR041216A	1500 / 1600	

Lab ID	Client ID	Wt/Vol Extracted	Surrogate Added	Matrix Spike Added	Initial pH	KD prior to GPC Date/Analyst	Vol. pre GPC	GPC Date/Analyst	KD after GPC Date/Analyst	Final Vol.	Date Ext. Trans.
MB 18091		1000ml	OSW050217A 500µl	—	C2	—		05/20/05 LL		1 µl	05/20/05
LCS 18091		1000ml	↓	OSW050536IB 500µl	C2			↓		↓	↓
LCSD 18091		1000ml		OSW050301B 500µl	C2					1 µl	05/20/05
D0529	03B	1000ml	OSW050217A 500µl	—	C2						

5.12.05 TS

Comments

Sodium Sulfate Lot #: OWR050509C

Water Bath Temperature: 56°C

Sonicator Tuned: ~~Yes / No~~

Reviewed By: KC 5/27/05

0435

Logbook ID: 50.017[illegible] 05

MITKEM CORPORATION: ORGANIC PREP - CLP Semvolatiles

Date 5-13-05	Analysis OLM SVOA	Method & SOP #	AQ: 3510C(SepF) 3520C(Liq/Liq) Other: _____ Soil: 3540C(Soxhlet) (3550B(Sonic))				Sample Matrix Aqueous (Soil) Other:				Project(s) D0523, D0529	
Blank ID 18109	LCS ID 18109	Analyst: SH	Spiker: TS	Witness: SH	Solvent Lot # B05231 1:1	Acid Lot #	Time Started: 07:30 Time Ended: 11:00				GPC Batch #	

Lab ID	Client ID	Wt/Vol Extracted	Surrogate Added	Matrix Spike Added	Initial pH	KD prior to GPC Date/Analyst		Vol. pre GPC	GPC Date/Analyst		KD after GPC Date/Analyst		Final Vol.	Date Ext. Trans.
MB-18109		30.0	OSWO50217A 500µl	—	—	05-22-05	TS	10 ml	05-22-05	TS	05-23-05	KG	½ ml	05-23-05
LCS-18109		30.0	↓	OSWO50301B 500µl	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
D0523	OLA	30.0		—										
D0529	OLA	30.0		—										
D0529	OLAMS	30.0		OSWO50301B 500µl										
D0529	OLAMSD	30.0	OSWO50217A 500µl	OSWO50301B 500µl	—	05-22-05	TS	10 ml	05-22-05	TS	05-23-05	KG	½ ml	05-23-05

SH 5-13-05

Comments

Sodium Sulfate Lot #: OWR05051313

Water Bath Temperature:

Sonicator Tuned: (Yes) / No

Reviewed By: KC 5/27/05

0436

Percent Moisture and Percent Solids Report

Mitkem Sample ID	*Client Sample ID*	*Analyzed*	*Percent Moisture*	*Percent Solids*	*Validated*
D0529-01A	*B-3 (9.0')*	05/13/2005	17	83	Yes
D0529-02A	*B-3 (3.0')*	05/13/2005	13	87	Yes

MITKEM CORPORATION **pH Determination Logbook**

pH Meter:

Date	Sample ID		pH Reading	Buffer IDs	Comments	Analyst
5/26/05	ph 4.0		4.00	IWP040723L	after calibration	SW
	ph 10.0		10.00	IWP040723D		
	ph 7.0		6.97	IWP050227D	100%	
	D0523	01A	8.03			
	D0529	01A	8.40		RPD = 0.27	
	D0529	01ADup	8.42			
5/26/05	ph 7.0		7.00	IWP050227D 100%		SW

SW 5/26/05

pH LCS (Buffer 7.00) Acceptance Criteria:
±0.05 S.U.
Frequency: at least every 20 samples

Calibration Check Criteria:
pH Buffer: 4.00±0.05 S.U.
10.00+0.05 S.U.
7.00+0.05 S.U.

Logbook ID: 30.0210-03/05

Reviewed by KL 5/27/05

Page #: 0004

Level 1 QA Review SW 5/26/05

Data Entry to LIMS

Level 2 QA Review

0438

MITKEM CORPORATION: INSTRUMENT GPC 1 LOGBOOK

COLUMN ID: 5.X3.A11 | DATE CALIBRATED: 5.19.05 | INJECTION VOLUME: 5ml

Date	Position #	Project ID	Sample ID	Analysis	Analyst	Comments
5.22.05	1	MB 18109		OLM SVOA	TB	
	2	LCS 18109				
	3	D0523	01A			
	4	D0529	01A			
	5	↓	MS 01A	↓	↓	
5.22.05	6	D0529	MSD 01A	OLM SVOA	TB	
	7					
	8					
	9					
	10					
	11					
	12					
	13			5.22.05		
	14			TB		
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					

Logbook ID 50.0187-11/04

Flow Rate: 5.09 ml/min

Acceptance Criteria: Corn oil & phthalate peaks > 85.0% resolution
Phthalate & methoxyclor peaks > 85.0% resolution
Methoxychlor & perylene peaks > 85.0% resolution
Perylene & sulfur peaks: No saturation & > 90.0% baseline resolution

Reviewed by KC 5/27/05

Page #: 045

Instrument S1
Injection Log

Mitkem Corporation
SemiVolatiles Laboratory

IS = SW050426

METHOD: OLM 4.3 | STD ID: Tune = SW050512A | ANALYST: KL

INITIAL CAL: 5/19/05 | L1 - SW050516P, L2 - 516C1, L3 - 516E, L4 - 516F, L5 - 516C | EMV:

COMMENTS: | DATE: 5/19/05 | DATE PRINTED: | DATE LOADED:

AS #	FILE		MITKEM ID		CLIENT ID	METHOD	DIL	COMMENTS	IS	SS
	S1E44	86	DFTPP1	V	DFTPP1V	DFTCLP		12:58		
	↓	87	SSTD050	1V	SSTD050 1V	CLP		}		
		88	160	↓	160			OLM4.3		
		89	020		020			ICAL		
		90	080		080					
	S1E44	91	SSTD120	1V	SSTD 120 1V			}		
		92	D0437-17A		ML12A042205			ok/ok	5166	✓
		93	-18A		ML12B042205			ok/ok	6	✓
		94	-19A							

Daily Maintenance	✓
Gold Seal	✓
Liner	✓
Clipped Column	✓
Ferrule	

Comments: Source cleaned yesterday /K

Logbook ID 70.0167-02/05 | Reviewed By: KL 5/27/05 | Page #: 084

0440

Instrument S1
Injection Log

Mitkem Corporation
SemiVolatiles Laboratory

METHOD: OLM4.2 4.3M 05/25/05
INITIAL CAL.: 5/19/05
COMMENTS:

STD ID: SW050512A-true
SW050518CF-L2
IS - SW050426A

ANALYST: AW
EMV: 2247
DATE: 5/25/05
DATE PRINTED:
DATE LOADED:

AS #	FILE		MITKEM ID		CLIENT ID	METHOD	DIL	COMMENTS	IS	SS
	S1E45	05	DFTPP	1W	DFTPP1W	DFTCLP	—	07:25 Don't use		
		05A	DFTPP	1W	DFTPP1W	DFTCLP	—	08:36 ok		
		06	SSTD050	1W	SSTD050 1W	CLP	—	ok, last		
		07	MB-180	91	SBLK1W		—	ok	✓	✓
		08	LCS-180	91	S1WLCS		—	2 spikes out, ok	✓	✓
		09	LCSD-180	91	S1WLCSD		—	1 spike out, ok	✓	✓
		10	MB-181	09	SBLK1X		—	ok	✓	✓
		11	LCS-181	09	S1XLCS		—	ok	✓	✓
		12	D0529-	03B	RINSATE2		—	re-RUN Don't use	IV	✓
		13	GPC-CHECK	SB1	050519		—	CLEAN		
		14	D0523-	01A	B-190		—	ok	✓	✓
		15	D0529-	01A	B-390		—	ok	✓	✓
		16	D0529-	03B	RINSATE2		—	ok	✓	✓
		17	D0529-	MS 01A	B-390MS		—	all in, ok	✓	✓
		18	D0529-	MSD 01A	B-390 MSD		—	all in, ok	✓	✓
		19	MB-182	21	SBLK1Y		—	ok	✓	✓
		20	LCS-182	21	S1YLCS		—	2 spikes out, ok	✓	✓
		21	D0577-	19B	FB-051905		—	ok	✓	✓
		22	D0583-	01B	MW-11PT24		—	need 2x DL	✓	✓
		23	D0583-	01B MS	MW-11PT24MS		—	2 spikes out, ok	✓	✓
	S1E45	24	D0583-	MSD 01B	MW-11PT24MSD	CLP	—	3 spikes out, ok	✓	✓

Daily Maintenance	
Gold Seal	clean
Liner	clean
Clipped Column	✓
Ferrule	

Comments:

Logbook ID 70.0167-02/05

Reviewed By: KL 5/27/05

Page #: 085

Sample Receiving Logbook

Workorder No. D0529

Client Name: Day

Date Recv'd 5/7/05 **Sample #s** 01 - 03 **Storage Locations:** VA

Date Recv'd 5/7/05 **Sample #s** 01, 03 **Storage Locations:** C 2, M 4

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

OUT		IN	
Relinquished By	**Received By**	**Relinquished By**	**Received By**
Date: 5.12.05 Init: TS	Date: 5.12.05 Init: SK	Date: 5/12/05 Init: TS	Date: Init:
Samp. #s: 03		Empty	
Date: ~~5.12.05~~ (5) Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s:			
Date: 5-13-05 Init: TS	Date: 5-13-05 Init: SK	Date: 5/13/05 Init: SK	Date: 5-13-05 Init: TS
Samp. #s: 01		01	
Date: 5/13/05 Init: KB	Date: 5/13/05 Init: SW	Date: 5/13/05 Init: SW	Date: 5/13/05 Init: KB
Samp. #s: 1, 2		1, 2	
Date: 5/16/05 Init: SW	Date: 5/16/05 Init: KB	Date: 5/16/05 Init: KB	Date: 5/16/05 Init: SW
Samp. #s: 03		3	
Date: 5/18/05 Init: SW	Date: 5/18/05 Init: KB	Date: 5/18/05 Init: KB	Date: 5/18/05 Init: SW
Samp. #s: 01, 03		1, 3	
Date: 5/26/05 Init: KB	Date: 5/26/05 Init: SW	Date: Init:	Date: Init:
Samp. #s: 1			
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s:			

Comments: _____

Please record analyst's initials, date, and sample #s removed. Add any comments if necessary (broken bottles, empty jars, etc.)

Logbook ID: 30.0287-04/05 **Reviewed:** KC 5/27/05

MITKEM CORPORATION EXTRACT TRANSFER LOGBOOK: SEMIVOLATILE ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred By	Received By	Storage Location	Comments
5/19/05	D0573	01A	MM			
5/19/05	MB-18190		KG	TS	RM	
↓	LCS-18190		↓	↓	↓	
	LCSD-18190					
↓	00572	01B	↓	↓	↓	
5/19/05	00572	02B	KG	TS	RM	
5/20/05	MB-18111		KG	AW	RT	
↓	LCS-18111		↓	✓	↓	
	LCSD-18111			✓		
	00542	01B		✓		
↓	00543	02A	↓	✓ ↓	↓	
5/20/05	00549	01B	KG	✓ AW	RT	
5/20/05	MB 18211		MM	AJ	RT	
↓	LCS 18211		↓	✓		
↓	LCS D 18211		↓	✓ ↓	↓	
5/20/05	D0495	07 RE	MM	AJ	RT	
5/20/05	MB-18091		KG	~~AW~~ ✓		
↓	LCS-18091		↓	✓		
	LCSD-18091			✓		
	00529	03B		✓		
	MB-18092			✓		
	LCS-18093		↓	✓		
↓	LCSD-18093			✓		
5/20/05	00483	08C	KG	✓	↓	
5/21/05	18089 MB		MM	AW	RT	
↓	LCS 18089		↓	✓	↓	
	D0521	01A		✓		
↓	↓	02A	↓	✓	↓	
		03A		✓		
		04A		✓		
		05A		✓		
↓	↓	06A	↓	✓	↓	
		07A		✓ ↓		
5/21/05	D0521	08A	MM	✓ AW	RT	

Logbook ID 70.0141-04/05

Reviewed By: KC 5/27/05

MITKEM CORPORATION EXTRACT TRANSFER LOGBOOK: SEMIVOLATILE ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred By	Received By	Storage Location	Comments
5/21/05	D0521	09A	MM	AJ	R7	
		10A		✓		
		11A		✓		
		12A		✓		
		13A		✓		
		14A		✓		
		15A		✓		
		16A		✓		
		17A		✓		
		18A		✓		
		19A		✓		
		19Ams		✓		
		19A MSD		✓		
5/21/05	D0521	20A	MM	✓		
5/21/05	MB-18202		KG	✓		
	LCS-18202			✓		
	LCSD-18202			✓		
	D0586	01B		✓ ✓	✓	
5/21/05	D0586	02B	KG	✓ AJ	R7	
5/23/05	MB-18109		KG	AJ	R7	
	LCS-18109					
	D0523	01A				
	D0529	01A				
	D0529	MS 01A				
5/23/05	D0529	MSD 01A	KG	AJ	R7	
5-23-05	MB-18186		SM			
	D0001	09A				
		10A				
		11A				
		12A				
		13A				
		14A				
		15A				
5-23-05	D0001	16A	SM			

Logbook ID 70.0141-04/05

Reviewed By: KC 5/27/05

MITKEM CORPORATION

* Pesticide / PCB Organics *

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
	==========	======	======	======	======	======	======	===
								0
01	PBLK4F	97	98	93	78			0
02	P4FLCS	96	98	97	97			0
03	P4FLCSD	95	95	95	96			0
04	RINSATE2	97	173*	91	89			1
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

QC LIMITS
(30-150)
(30-150)

(TCX) = Tetrachloro-m-xylene
(DCB) = Decachlorobiphenyl

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK4E	84	79	89	91			0
02	P4ELCS	70	69	81	79			0
03	B-390	59	64	62	66			0
04	B-390MS	59	60	60	65			0
05	B-390MSD	59	61	63	64			0
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
(TCX) = Tetrachloro-m-xylene	(30-150)
(DCB) = Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix Spike - EPA Sample No.: B-390

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	20	0.00	12	60	46-127
Heptachlor	20	0.00	13	65	35-130
Aldrin	20	0.00	14	70	34-132
Dieldrin	40	0.00	26	65	31-134
Endrin	40	0.00	29	73	42-139
4,4'-DDT	40	2.5	26	59	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	20	12	60	0	50	46-127
Heptachlor	20	13	65	0	31	35-130
Aldrin	20	14	70	0	43	34-132
Dieldrin	40	26	65	0	38	31-134
Endrin	40	29	73	0	45	42-139
4,4'-DDT	40	29	66	11	50	23-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

FORM 3
WATER PESTICIDE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix Spike - Sample No.: P4FLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	0.50		0.45	90	56-123
Heptachlor	0.50		0.49	98	40-131
Aldrin	0.50		0.55	110	40-120
Dieldrin	1.0		0.99	99	52-126
Endrin	1.0		1.1	110	56-121
4,4'-DDT	1.0		0.96	96	38-127

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	0.50	0.43	86	5	15	56-123
Heptachlor	0.50	0.47	94	4	20	40-131
Aldrin	0.50	0.53	106	4	22	40-120
Dieldrin	1.0	0.96	96	3	18	52-126
Endrin	1.0	1.0	100	10	21	56-121
4,4'-DDT	1.0	0.91	91	5	27	38-127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

FORM 3
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix Spike - Sample No.: P4ELCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	17		11	65	46-127
Heptachlor	17		12	71	35-130
Aldrin	17		14	82	34-132
Dieldrin	33		26	79	31-134
Endrin	33		28	85	42-139
4,4'-DDT	33		24	73	23-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK4F

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: D0529

Lab Sample ID: MB-18090 Lab File ID: E4C6532F

Matrix (soil/water) WATER Extraction:(Type) SEPF

Sulfur Cleanup (Y/N) Y Date Extracted: 05/12/05

Date Analyzed (1): 05/26/05 Date Analyzed (2): 05/26/05

Time Analyzed (1): 1623 Time Analyzed (2): 1623

Instrument ID (1): E4 Instrument ID (2): E4

GC Column (1): CLPPEST ID: 0.53 (mm) GC Column (2): CLPPESTII ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	P4FLCS	LCS-18090	05/26/05	05/26/05
02	P4FLCSD	LCSD-18090	05/26/05	05/26/05
03	RINSATE2	D0529-03B	05/26/05	05/26/05
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK4E

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Lab Sample ID: MB-18108 Lab File ID: E4C6522F

Matrix (soil/water) SOIL Extraction:(Type) SONC

Sulfur Cleanup (Y/N) Y Date Extracted: 05/13/05

Date Analyzed (1): 05/26/05 Date Analyzed (2): 05/26/05

Time Analyzed (1): 0927 Time Analyzed (2): 0927

Instrument ID (1): E4 Instrument ID (2): E4

GC Column (1): CLPPEST ID: 0.53 (mm) GC Column (2): CLPPESTII ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	P4ELCS	LCS-18108	05/26/05	05/26/05
02	B-390	D0529-01A	05/26/05	05/26/05
03	B-390MS	D0529-01AMS	05/26/05	05/26/05
04	B-390MSD	D0529-01AMSD	05/26/05	05/26/05
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

B-390

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4C6536F

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/05

Extraction: (Type) SONC Date Extracted: 05/13/05

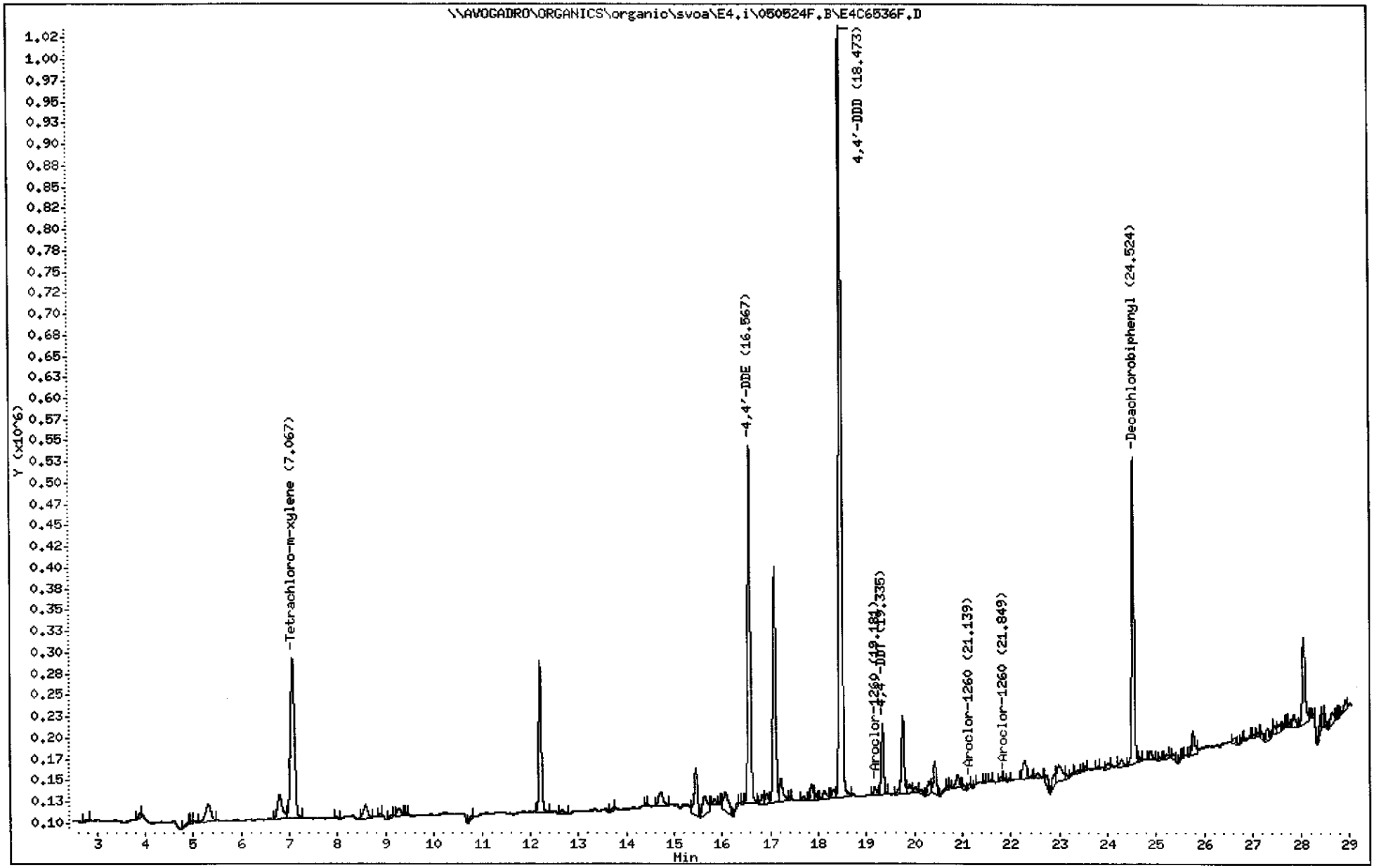
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Sulfur Cleanup: (Y/N) Y

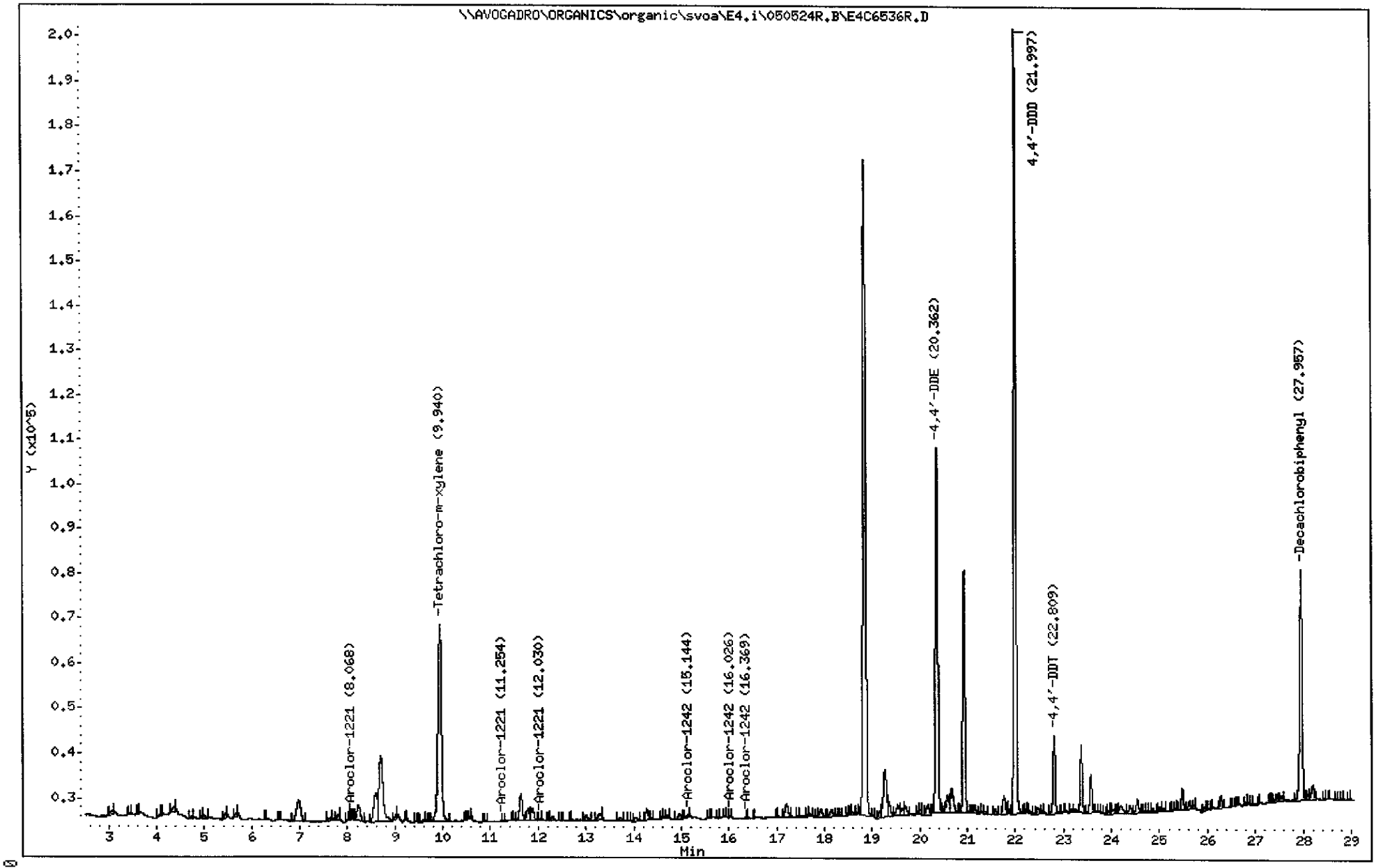
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	11	
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	30	
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	2.5	JP
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6536F.D
Date : 26-MAY-2005 18:48
Client ID: B-390
Instrument: E4.i
Sample Info: D0529-01B,,18108,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



0454

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6536R.D
Date : 26-MAY-2005 18:48
Client ID: B-390
Instrument: E4.i
Sample Info: D0529-01B,,18108,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



0455

Data File: E4C6536R.D
Report Date: 01-Jun-2005 10:26

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6536R.D
Lab Smp Id: D0529-01A Client Smp ID: B-390
Inj Date : 26-MAY-2005 18:48
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0529-01B,,18108,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: SOIL
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	17.000	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	228542	0.02540		10	
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	178958	0.02658		11	
13 4,4'-DDE						CAS #: 72-55-9	
20.4	20.4	0.000	271354	0.03134		13	
16 4,4'-DDD						CAS #: 72-54-8	
22.0	22.0	0.000	530244	0.08301		33	

6/1/05

Data File: E4C6536R.D
Report Date: 01-Jun-2005 10:26

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
18 4,4'-DDT					CAS #: 50-29-3		
22.8	22.8	0.000	55214	0.00791	3.2		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6536F.D
Report Date: 01-Jun-2005 10:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6536F.D
Lab Smp Id: D0529-01A Client Smp ID: B-390
Inj Date : 26-MAY-2005 18:48
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0529-01B,,18108,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: SOIL
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	17.000	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.07	7.07	0.000	1099113	0.02363	9.5		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	1140602	0.02465	9.9		
13 4,4'-DDE					CAS #: 72-55-9		
16.6	16.6	0.000	1646387	0.02810	11		
16 4,4'-DDD					CAS #: 72-54-8		
18.5	18.5	0.000	3618247	0.07355	30		

6/1/05

Data File: E4C6536F.D
Report Date: 01-Jun-2005 10:25

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
18 4,4'-DDT					CAS #: 50-29-3		
19.3	19.3	0.000	297991	0.00630	2.5		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSATE2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: D0529-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6535F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/07/05

Extraction: (Type) SEPF Date Extracted: 05/12/05

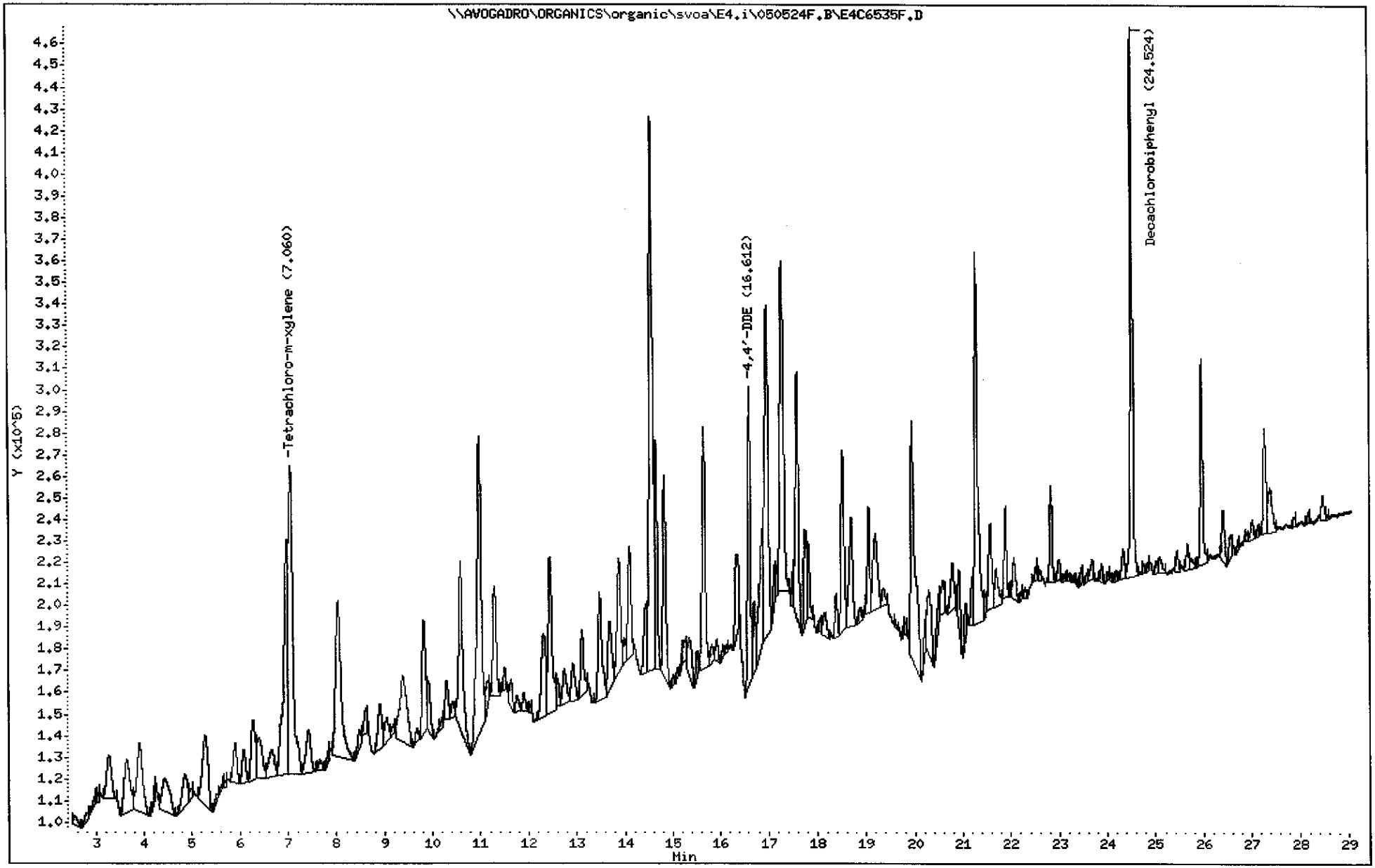
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

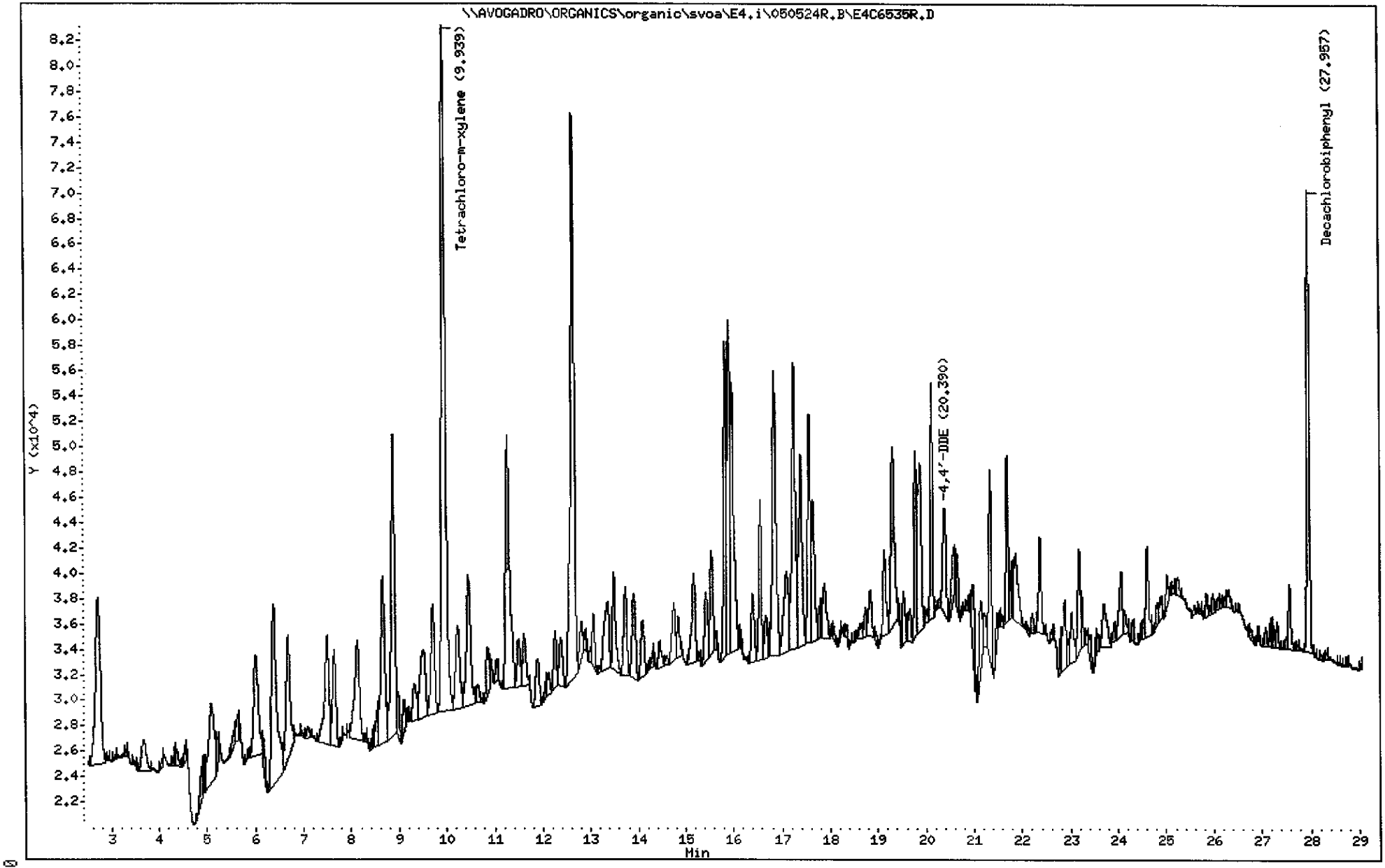
GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.045	JP
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6535F.D
Date : 26-MAY-2005 18:12
Client ID: RINSATE2
Instrument: E4.i
Sample Info: D0529-03B,,18090,clp.sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6535R.D
Date : 26-MAY-2005 18:12
Client ID: RINSATE2
Instrument: E4.i
Sample Info: D0529-03B,,18090,clp.sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



0462

Data File: E4C6535F.D
Report Date: 01-Jun-2005 10:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6535F.D
Lab Smp Id: D0529-03B Client Smp ID: RINSATE2
Inj Date : 26-MAY-2005 18:12
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0529-03B,,18090,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.07	-0.010	906936	0.01950	0.19		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	839477	0.01814	0.18		
13 4,4'-DDE					CAS #: 72-55-9		
16.6	16.6	0.000	530746	0.00906	0.091		(a)

6/1/rw

Data File: E4C6535F.D
Report Date: 01-Jun-2005 10:25

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6535R.D
Report Date: 01-Jun-2005 10:26

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6535R.D
Lab Smp Id: D0529-03B Client Smp ID: RINSATE2
Inj Date : 26-MAY-2005 18:12
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0529-03B,,18090,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	311500	0.03462	0.35		(R)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	119908	0.01781	0.18		
13 4,4'-DDE					CAS #: 72-55-9		
20.4	20.4	0.000	38969	0.00450	0.045		(a)

Data File: E4C6535R.D
Report Date: 01-Jun-2005 10:26

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Instrument ID: E4 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: CLPPEST ID: 0.53 (mm) Date(s) Analyzed: 05/04/05 05/05/05

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	9.30	9.30	9.29	9.30	9.25	9.35
beta-BHC	10.95	10.94	10.93	10.94	10.89	10.99
delta-BHC	11.51	11.50	11.50	11.51	11.46	11.56
gamma-BHC (Lindane)	10.49	10.49	10.49	10.49	10.44	10.54
Heptachlor	12.15	12.14	12.15	12.15	12.10	12.20
Aldrin	13.12	13.12	13.12	13.12	13.07	13.17
Heptachlor epoxide	15.23	15.23	15.23	15.23	15.16	15.30
Endosulfan I	16.44	16.44	16.44	16.44	16.37	16.51
Dieldrin	17.22	17.22	17.22	17.22	17.15	17.29
4,4'-DDE	16.59	16.58	16.57	16.58	16.51	16.65
Endrin	17.91	17.91	17.91	17.91	17.84	17.98
Endosulfan II	18.69	18.67	18.66	18.68	18.61	18.75
4,4'-DDD	18.50	18.48	18.48	18.49	18.42	18.56
Endosulfan sulfate	21.21	21.21	21.20	21.21	21.14	21.28
4,4'-DDT	19.34	19.33	19.33	19.33	19.26	19.40
Methoxychlor	20.91	20.90	20.90	20.90	20.83	20.97
Endrin ketone	21.89	21.88	21.88	21.88	21.81	21.95
Endrin aldehyde	20.00	20.00	19.99	20.00	19.93	20.07
alpha-Chlordane	16.08	16.07	16.07	16.07	16.00	16.14
gamma-Chlordane	15.64	15.64	15.64	15.64	15.57	15.71
Tetrachloro-m-xylene	7.07	7.07	7.06	7.07	7.02	7.12
Decachlorobiphenyl	24.53	24.52	24.52	24.52	24.42	24.62

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are +/- 0.05 minutes for all compounds that elute before Heptachlor epoxide, +/- 0.07 minutes for all other compounds, except +/- 0.10 minutes for Decachlorobiphenyl.

6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Instrument ID: E4 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: CLPPESTII ID: 0.53 (mm) Date(s) Analyzed: 05/04/05 05/05/05

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	12.54	12.54	12.54	12.54	12.49	12.59
beta-BHC	14.33	14.33	14.33	14.33	14.28	14.38
delta-BHC	15.36	15.36	15.36	15.36	15.31	15.41
gamma-BHC (Lindane)	13.92	13.92	13.92	13.92	13.87	13.97
Heptachlor	15.46	15.46	15.46	15.46	15.41	15.51
Aldrin	16.55	16.55	16.55	16.55	16.50	16.60
Heptachlor epoxide	18.59	18.59	18.59	18.59	18.52	18.66
Endosulfan I	19.83	19.83	19.83	19.83	19.76	19.90
Dieldrin	20.67	20.67	20.67	20.67	20.60	20.74
4,4'-DDE	20.37	20.36	20.36	20.36	20.29	20.43
Endrin	21.53	21.53	21.53	21.53	21.46	21.60
Endosulfan II	22.14	22.14	22.13	22.14	22.07	22.21
4,4'-DDD	22.00	22.00	22.00	22.00	21.93	22.07
Endosulfan sulfate	23.75	23.75	23.75	23.75	23.68	23.82
4,4'-DDT	22.81	22.81	22.81	22.81	22.74	22.88
Methoxychlor	24.57	24.57	24.57	24.57	24.50	24.64
Endrin ketone	25.03	25.03	25.03	25.03	24.96	25.10
Endrin aldehyde	23.05	23.05	23.05	23.05	22.98	23.12
alpha-Chlordane	19.71	19.71	19.71	19.71	19.64	19.78
gamma-Chlordane	19.23	19.23	19.23	19.23	19.16	19.30
Tetrachloro-m-xylene	9.94	9.94	9.94	9.94	9.89	9.99
Decachlorobiphenyl	27.96	27.95	27.95	27.95	27.85	28.05

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are +/- 0.05 minutes for all compounds that elute before Heptachlor epoxide, +/- 0.07 minutes for all other compounds, except +/- 0.10 minutes for Decachlorobiphenyl.

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Instrument ID: E4 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: CLPPEST ID: 0.53 (mm) Date(s) Analyzed: 05/04/05 05/05/05

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	62907600	75200950	77242913	71783821	10.8
beta-BHC	24650200	25860200	27273100	25927833	5.1
delta-BHC	47206000	58040000	67251975	57499325	17.5
gamma-BHC (Lindane)	58792400	69823350	70224950	66280233	9.8
Heptachlor	62739200	68196300	66531525	65822342	4.2
Aldrin	58897000	62538950	65859413	62431788	5.6
Heptachlor epoxide	57890000	59729000	60252163	59290388	2.1
Endosulfan I	54774200	59636900	55719188	56710096	4.5
Dieldrin	59797900	66337325	62029994	62721740	5.3
4,4'-DDE	54982400	58597625	60275556	57951860	4.7
Endrin	49520400	55058525	50990731	51856552	5.5
Endosulfan II	49474400	51796500	51380544	50883815	2.4
4,4'-DDD	41931100	49192900	48450563	46524854	8.6
Endosulfan sulfate	29051500	36132000	40265475	35149658	16.1
4,4'-DDT	39382200	47310800	48477225	45056742	11.0
Methoxychlor	19894960	21936000	19816026	20548995	5.8
Endrin ketone	31332100	36143575	40311150	35928942	12.5
Endrin aldehyde	35399800	38141000	37996194	37178998	4.1
alpha-Chlordane	56014800	57566050	59715488	57765446	3.2
gamma-Chlordane	59700000	62606750	65441925	62582892	4.6
Tetrachloro-m-xylene	44114600	46520100	43834488	44823063	3.3
Decachlorobiphenyl	45860300	46270550	42522563	44884471	4.6

* Surrogate calibration factors are measured from Standard Mix A analyses.

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Instrument ID: E4 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: CLPPESTII ID: 0.53 (mm) Date(s) Analyzed: 05/04/05 05/05/05

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	11055000	12533900	13362288	12317063	9.5
beta-BHC	5447400	5307950	5239475	5331608	2.0
delta-BHC	8921400	9904700	11857638	10227913	14.6
gamma-BHC (Lindane)	10437800	11724300	12297250	11486450	8.3
Heptachlor	11925800	12542550	12513000	12327117	2.8
Aldrin	9749200	9919100	10975450	10214583	6.5
Heptachlor epoxide	9819200	9831750	10391588	10014179	3.3
Endosulfan I	9386600	9885500	9616600	9629567	2.6
Dieldrin	8604200	10291750	10447506	9781152	10.5
4,4'-DDE	7590600	8659425	9878531	8709519	13.1
Endrin	6955700	7890400	8140256	7662119	8.1
Endosulfan II	6904300	7275875	7898988	7359721	6.8
4,4'-DDD	5222700	6387475	6809763	6139979	13.4
Endosulfan sulfate	3091100	4407350	5714681	4404377	29.8
4,4'-DDT	5704100	6983400	7314956	6667485	12.8
Methoxychlor	2921260	3398855	3322256	3214124	8.0
Endrin ketone	3227200	4150750	5359775	4245908	25.2
Endrin aldehyde	4980500	5345450	5743625	5356525	7.1
alpha-Chlordane	9742200	9529350	10062325	9777958	2.7
gamma-Chlordane	9811600	9950000	10599638	10120413	4.2
Tetrachloro-m-xylene	8970000	8996800	8264838	8743879	4.7
Decachlorobiphenyl	6553900	6731800	6057000	6447567	5.4

* Surrogate calibration factors are measured from Standard Mix A analyses.

6G

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Instrument ID: E4 Date(s) Analyzed: 05/04/05 05/05/05

GC Column: CLPPEST ID: 0.53 (mm)

COMPOUND	AMOUNT (ng)	PEAK1	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	0.50	1	19.88	19.81	19.95	2389522
		2	20.29	20.22	20.36	3218054
		3	20.87	20.80	20.94	3931340
		4				
		5				
Aroclor-1016	0.10	1	8.67	8.60	8.74	657500
		2	10.00	9.93	10.07	1491650
		3	11.66	11.59	11.73	3093500
		4				
		5				
Aroclor-1221	0.20	1	7.94	7.87	8.01	381505
		2	8.51	8.44	8.58	249670
		3	8.66	8.59	8.73	1113410
		4				
		5				
Aroclor-1232	0.10	1	8.67	8.60	8.74	732570
		2	10.01	9.94	10.08	661240
		3	11.67	11.60	11.74	1181090
		4				
		5				
Aroclor-1242	0.10	1	10.69	10.62	10.76	387080
		2	13.50	13.43	13.57	1167600
		3	13.78	13.71	13.85	281270
		4				
		5				
Aroclor-1248	0.10	1	13.50	13.43	13.57	1995310
		2	14.91	14.84	14.98	1423920
		3	15.47	15.40	15.54	936460
		4				
		5				
Aroclor-1254	0.10	1	15.61	15.54	15.68	2338150
		2	16.85	16.78	16.92	3121040
		3	17.74	17.67	17.81	2967780
		4				
		5				
Aroclor-1260	0.10	1	19.20	19.13	19.27	4863120
		2	21.13	21.06	21.20	5758900
		3	21.86	21.79	21.93	2742900
		4				
		5				

1 At least 3 peaks for each column are required for identification of multicomponent analytes.

6G

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Instrument ID: E4 Date(s) Analyzed: 05/04/05 05/05/05

GC Column: CLPPESTII ID: 0.53 (mm)

COMPOUND	AMOUNT (ng)	PEAK1	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	0.50	1	22.37	22.30	22.44	416430
		2	23.07	23.00	23.14	362448
		3	24.33	24.26	24.40	485010
		4				
		5				
Aroclor-1016	0.10	1	12.04	11.97	12.11	171410
		2	13.58	13.51	13.65	336630
		3	15.21	15.14	15.28	691010
		4				
		5				
Aroclor-1221	0.20	1	8.07	8.00	8.14	72660
		2	11.26	11.19	11.33	91095
		3	12.04	11.97	12.11	236595
		4				
		5				
Aroclor-1232	0.10	1	13.58	13.51	13.65	146940
		2	15.21	15.14	15.28	288110
		3	15.67	15.60	15.74	112970
		4				
		5				
Aroclor-1242	0.10	1	15.20	15.13	15.27	534010
		2	16.01	15.94	16.08	130040
		3	16.39	16.32	16.46	115240
		4				
		5				
Aroclor-1248	0.10	1	16.52	16.45	16.59	211780
		2	17.27	17.20	17.34	293660
		3	17.66	17.59	17.73	309710
		4				
		5				
Aroclor-1254	0.10	1	18.69	18.62	18.76	340570
		2	20.38	20.31	20.45	262610
		3	20.72	20.65	20.79	477980
		4				
		5				
Aroclor-1260	0.10	1	21.86	21.79	21.93	401260
		2	22.80	22.73	22.87	526840
		3	24.39	24.32	24.46	528810
		4				
		5				

1 At least 3 peaks for each column are required for identification of multicomponent analytes.

PESTICIDE ANALYTE RESOLUTION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (RESC##): RESCC1 Lab Sample ID (1): RESCC1

Date Analyzed (1): 05/04/05 Time Analyzed (1): 1623

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.07	100.0
02	gamma-Chlordane	15.64	100.0
03	Endosulfan I	16.44	86.7
04	4,4'-DDE	16.58	100.0
05	Dieldrin	17.23	100.0
06	Methoxychlor	20.91	98.2
07	Endosulfan sulfate	21.21	100.0
08	Endrin ketone	21.89	100.0
09	Decachlorobiphenyl	24.53	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (RESC##): RESCC1 Lab Sample ID (2): RESCC1

Date Analyzed (2): 05/04/05 Time Analyzed (2): 1623

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.94	100.0
02	gamma-Chlordane	19.23	100.0
03	Endosulfan I	19.84	100.0
04	4,4'-DDE	20.36	100.0
05	Dieldrin	20.67	100.0
06	Endosulfan sulfate	23.75	100.0
07	Methoxychlor	24.57	100.0
08	Endrin ketone	25.03	100.0
09	Decachlorobiphenyl	27.96	

6I

PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (PEM##): PEMC1 Lab Sample ID (1): PEMC1

Date Analyzed (1): 05/04/05 Time Analyzed (1): 1659

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.06	100.0
02	alpha-BHC	9.30	100.0
03	gamma-BHC (Lindane)	10.49	100.0
04	beta-BHC	10.94	100.0
05	Endrin	17.91	100.0
06	4,4'-DDT	19.33	100.0
07	Methoxychlor	20.90	100.0
08	Decachlorobiphenyl	24.53	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (PEM##): PEMC1 Lab Sample ID (2): PEMC1

Date Analyzed (2): 05/04/05 Time Analyzed (2): 1659

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.94	100.0
02	alpha-BHC	12.54	100.0
03	gamma-BHC (Lindane)	13.92	100.0
04	beta-BHC	14.33	100.0
05	Endrin	21.53	100.0
06	4,4'-DDT	22.81	100.0
07	Methoxychlor	24.57	100.0
08	Decachlorobiphenyl	27.96	

6I

PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (PEM##): PEMC2 Lab Sample ID (1): PEMC2

Date Analyzed (1): 05/05/05 Time Analyzed (1): 0203

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.07	100.0
02	alpha-BHC	9.30	100.0
03	gamma-BHC (Lindane)	10.49	100.0
04	beta-BHC	10.94	100.0
05	Endrin	17.91	100.0
06	4,4'-DDT	19.33	100.0
07	Methoxychlor	20.90	100.0
08	Decachlorobiphenyl	24.53	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (PEM##): PEMC2 Lab Sample ID (2): PEMC2

Date Analyzed (2): 05/05/05 Time Analyzed (2): 0203

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.94	100.0
02	alpha-BHC	12.54	100.0
03	gamma-BHC (Lindane)	13.92	100.0
04	beta-BHC	14.33	100.0
05	Endrin	21.53	100.0
06	4,4'-DDT	22.81	100.0
07	Methoxychlor	24.57	100.0
08	Decachlorobiphenyl	27.96	

PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (PEM##): PEMCG Lab Sample ID (1): PEMCG

Date Analyzed (1): 05/26/05 Time Analyzed (1): 0622

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.06	100.0
02	alpha-BHC	9.29	100.0
03	gamma-BHC (Lindane)	10.49	100.0
04	beta-BHC	10.94	100.0
05	Endrin	17.91	100.0
06	4,4'-DDT	19.33	100.0
07	Methoxychlor	20.90	100.0
08	Decachlorobiphenyl	24.52	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (PEM##): PEMCG Lab Sample ID (2): PEMCG

Date Analyzed (2): 05/26/05 Time Analyzed (2): 0622

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.94	100.0
02	alpha-BHC	12.54	100.0
03	gamma-BHC (Lindane)	13.91	100.0
04	beta-BHC	14.33	100.0
05	Endrin	21.53	100.0
06	4,4'-DDT	22.81	100.0
07	Methoxychlor	24.57	100.0
08	Decachlorobiphenyl	27.95	

PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (PEM##): PEMCI Lab Sample ID (1): PEMCI

Date Analyzed (1): 05/26/05 Time Analyzed (1): 2149

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.06	100.0
02	alpha-BHC	9.30	100.0
03	gamma-BHC (Lindane)	10.49	100.0
04	beta-BHC	10.94	100.0
05	Endrin	17.91	100.0
06	4,4'-DDT	19.33	100.0
07	Methoxychlor	20.90	100.0
08	Decachlorobiphenyl	24.52	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (PEM##): PEMCI Lab Sample ID (2): PEMCI

Date Analyzed (2): 05/26/05 Time Analyzed (2): 2149

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.94	100.0
02	alpha-BHC	12.54	100.0
03	gamma-BHC (Lindane)	13.92	100.0
04	beta-BHC	14.33	100.0
05	Endrin	21.53	100.0
06	4,4'-DDT	22.81	100.0
07	Methoxychlor	24.57	100.0
08	Decachlorobiphenyl	27.96	

INDIVIDUAL STANDARD MIXTURE A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (INDAM##): INDAMC1 Lab Sample ID (1): INDAMC1

Date Analyzed (1): 05/04/05 Time Analyzed (1): 2302

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.07	100.0
02	alpha-BHC	9.30	100.0
03	gamma-BHC (Lindane)	10.49	100.0
04	Heptachlor	12.14	100.0
05	Endosulfan I	16.44	100.0
06	Dieldrin	17.22	100.0
07	Endrin	17.91	100.0
08	4,4'-DDD	18.48	100.0
09	4,4'-DDT	19.33	100.0
10	Methoxychlor	20.90	100.0
11	Decachlorobiphenyl	24.52	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (INDAM##): INDAMC1 Lab Sample ID (2): INDAMC1

Date Analyzed (2): 05/04/05 Time Analyzed (2): 2302

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.94	100.0
02	alpha-BHC	12.54	100.0
03	gamma-BHC (Lindane)	13.92	100.0
04	Heptachlor	15.46	100.0
05	Endosulfan I	19.83	100.0
06	Dieldrin	20.67	100.0
07	Endrin	21.53	100.0
08	4,4'-DDD	22.00	100.0
09	4,4'-DDT	22.81	100.0
10	Methoxychlor	24.57	100.0
11	Decachlorobiphenyl	27.95	

6K
INDIVIDUAL STANDARD MIXTURE B

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (INDBM##): INDBMC1 Lab Sample ID (1): INDBMC1

Date Analyzed (1): 05/04/05 Time Analyzed (1): 2338

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.07	100.0
02	beta-BHC	10.94	100.0
03	delta-BHC	11.50	100.0
04	Aldrin	13.12	100.0
05	Heptachlor epoxide	15.23	100.0
06	gamma-Chlordane	15.64	100.0
07	alpha-Chlordane	16.07	100.0
08	4,4'-DDE	16.58	100.0
09	Endosulfan II	18.67	100.0
10	Endrin aldehyde	20.00	100.0
11	Endosulfan sulfate	21.21	100.0
12	Endrin ketone	21.88	100.0
13	Decachlorobiphenyl	24.52	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (INDBM##): INDBMC1 Lab Sample ID (2): INDBMC1

Date Analyzed (2): 05/04/05 Time Analyzed (2): 2338

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.93	100.0
02	beta-BHC	14.33	100.0
03	delta-BHC	15.36	100.0
04	Aldrin	16.55	100.0
05	Heptachlor epoxide	18.59	100.0
06	gamma-Chlordane	19.23	100.0
07	alpha-Chlordane	19.71	100.0
08	4,4'-DDE	20.36	100.0
09	Endosulfan II	22.14	100.0
10	Endrin aldehyde	23.05	100.0
11	Endosulfan sulfate	23.75	100.0
12	Endrin ketone	25.03	100.0
13	Decachlorobiphenyl	27.96	

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): _____ Date Analyzed : _____

Lab Sample ID (PIBLK) : _____ Time Analyzed : _____

EPA Sample No.(PEM##) : PEMC1 Date Analyzed : 05/04/05

Lab Sample ID (PEM) : PEMC1 Time Analyzed : 1659

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.30	9.25	9.35	0.009	0.010	-10.0
beta-BHC	10.94	10.89	10.99	0.010	0.010	0.0
gamma-BHC (Lindane)	10.49	10.44	10.54	0.009	0.010	-10.0
Endrin	17.91	17.84	17.98	0.052	0.050	4.0
4,4'-DDT	19.33	19.26	19.40	0.098	0.10	-2.0
Methoxychlor	20.90	20.83	20.97	0.227	0.25	-9.2

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): _____ Date Analyzed : _____

Lab Sample ID (PIBLK) : _____ Time Analyzed : _____

EPA Sample No.(PEM##) : PEMC1 Date Analyzed : 05/04/05

Lab Sample ID (PEM) : PEMC1 Time Analyzed : 1659

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.54	12.49	12.59	0.009	0.010	-10.0
beta-BHC	14.33	14.28	14.38	0.010	0.010	0.0
gamma-BHC (Lindane)	13.92	13.87	13.97	0.009	0.010	-10.0
Endrin	21.53	21.46	21.60	0.051	0.050	2.0
4,4'-DDT	22.81	22.74	22.88	0.093	0.10	-7.0
Methoxychlor	24.57	24.50	24.64	0.219	0.25	-12.4

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): PIBLKC2 Date Analyzed : 05/05/05

Lab Sample ID (PIBLK) : PIBLKC2 Time Analyzed : 0127

EPA Sample No.(PEM##) : PEMC2 Date Analyzed : 05/05/05

Lab Sample ID (PEM) : PEMC2 Time Analyzed : 0203

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.30	9.25	9.35	0.009	0.010	-10.0
beta-BHC	10.94	10.89	10.99	0.010	0.010	0.0
gamma-BHC (Lindane)	10.49	10.44	10.54	0.009	0.010	-10.0
Endrin	17.91	17.84	17.98	0.052	0.050	4.0
4,4'-DDT	19.33	19.26	19.40	0.096	0.10	-4.0
Methoxychlor	20.90	20.83	20.97	0.223	0.25	-10.8

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): PIBLKC2 Date Analyzed : 05/05/05

Lab Sample ID (PIBLK) : PIBLKC2 Time Analyzed : 0127

EPA Sample No.(PEM##) : PEMC2 Date Analyzed : 05/05/05

Lab Sample ID (PEM) : PEMC2 Time Analyzed : 0203

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.54	12.49	12.59	0.009	0.010	-10.0
beta-BHC	14.33	14.28	14.38	0.010	0.010	0.0
gamma-BHC (Lindane)	13.92	13.87	13.97	0.009	0.010	-10.0
Endrin	21.53	21.46	21.60	0.052	0.050	4.0
4,4'-DDT	22.81	22.74	22.88	0.096	0.10	-4.0
Methoxychlor	24.57	24.50	24.64	0.215	0.25	-14.0

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): PIBLKCG Date Analyzed : 05/26/05

Lab Sample ID (PIBLK) : PIBLKCG Time Analyzed : 0546

EPA Sample No.(PEM##) : PEMCG Date Analyzed : 05/26/05

Lab Sample ID (PEM) : PEMCG Time Analyzed : 0622

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.29	9.25	9.35	0.010	0.010	0.0
beta-BHC	10.94	10.89	10.99	0.012	0.010	20.0
gamma-BHC (Lindane)	10.49	10.44	10.54	0.010	0.010	0.0
Endrin	17.91	17.84	17.98	0.057	0.050	14.0
4,4'-DDT	19.33	19.26	19.40	0.104	0.10	4.0
Methoxychlor	20.90	20.83	20.97	0.231	0.25	-7.6

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): PIBLKCG Date Analyzed : 05/26/05

Lab Sample ID (PIBLK) : PIBLKCG Time Analyzed : 0546

EPA Sample No.(PEM##) : PEMCG Date Analyzed : 05/26/05

Lab Sample ID (PEM) : PEMCG Time Analyzed : 0622

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.54	12.49	12.59	0.010	0.010	0.0
beta-BHC	14.33	14.28	14.38	0.011	0.010	10.0
gamma-BHC (Lindane)	13.91	13.87	13.97	0.010	0.010	0.0
Endrin	21.53	21.46	21.60	0.060	0.050	20.0
4,4'-DDT	22.81	22.74	22.88	0.111	0.10	11.0
Methoxychlor	24.57	24.50	24.64	0.244	0.25	-2.4

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): PIBLKCI Date Analyzed : 05/26/05

Lab Sample ID (PIBLK) : PIBLKCI Time Analyzed : 2113

EPA Sample No.(PEM##) : PEMCI Date Analyzed : 05/26/05

Lab Sample ID (PEM) : PEMCI Time Analyzed : 2149

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.30	9.25	9.35	0.010	0.010	0.0
beta-BHC	10.94	10.89	10.99	0.012	0.010	20.0
gamma-BHC (Lindane)	10.49	10.44	10.54	0.010	0.010	0.0
Endrin	17.91	17.84	17.98	0.058	0.050	16.0
4,4'-DDT	19.33	19.26	19.40	0.108	0.10	8.0
Methoxychlor	20.90	20.83	20.97	0.242	0.25	-3.2

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): PIBLKCI Date Analyzed : 05/26/05

Lab Sample ID (PIBLK) : PIBLKCI Time Analyzed : 2113

EPA Sample No.(PEM##) : PEMCI Date Analyzed : 05/26/05

Lab Sample ID (PEM) : PEMCI Time Analyzed : 2149

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.54	12.49	12.59	0.010	0.010	0.0
beta-BHC	14.33	14.28	14.38	0.011	0.010	10.0
gamma-BHC (Lindane)	13.92	13.87	13.97	0.010	0.010	0.0
Endrin	21.53	21.46	21.60	0.061	0.050	22.0
4,4'-DDT	22.81	22.74	22.88	0.113	0.10	13.0
Methoxychlor	24.57	24.50	24.64	0.253	0.25	1.2

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): PIBLKCH Date Analyzed : 05/26/05

Lab Sample ID (PIBLK) : PIBLKCH Time Analyzed : 1116

EPA Sample No.(INDAM##) : INDAMCH Date Analyzed : 05/26/05

Lab Sample ID (INDAM) : INDAMCH Time Analyzed : 1152

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.30	9.25	9.35	0.021	0.020	5.0
gamma-BHC (Lindane)	10.49	10.44	10.54	0.020	0.020	0.0
Heptachlor	12.15	12.10	12.20	0.020	0.020	0.0
Endosulfan I	16.44	16.37	16.51	0.022	0.020	10.0
Dieldrin	17.22	17.15	17.29	0.042	0.040	5.0
Endrin	17.91	17.84	17.98	0.041	0.040	2.5
4,4'-DDD	18.49	18.42	18.56	0.041	0.040	2.5
4,4'-DDT	19.34	19.26	19.40	0.039	0.040	-2.5
Methoxychlor	20.90	20.83	20.97	0.19	0.20	-5.0
Tetrachloro-m-xylene	7.06	7.02	7.12	0.020	0.020	0.0
Decachlorobiphenyl	24.53	24.42	24.62	0.041	0.040	2.5

EPA Sample No.(INDBM##) : INDBMCH Date Analyzed : 05/26/05

Lab Sample ID (INDBM) : INDBMCH Time Analyzed : 1348

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	10.95	10.89	10.99	0.022	0.020	10.0
delta-BHC	11.52	11.46	11.56	0.020	0.020	0.0
Aldrin	13.13	13.07	13.17	0.021	0.020	5.0
Heptachlor epoxide	15.24	15.16	15.30	0.021	0.020	5.0
4,4'-DDE	16.59	16.51	16.65	0.041	0.040	2.5
Endosulfan II	18.68	18.61	18.75	0.041	0.040	2.5
Endosulfan sulfate	21.22	21.14	21.28	0.044	0.040	10.0
Endrin ketone	21.89	21.81	21.95	0.042	0.040	5.0
Endrin aldehyde	20.00	19.93	20.07	0.040	0.040	0.0
alpha-Chlordane	16.08	16.00	16.14	0.021	0.020	5.0
gamma-Chlordane	15.65	15.57	15.71	0.021	0.020	5.0
Tetrachloro-m-xylene	7.08	7.02	7.12	0.019	0.020	-5.0
Decachlorobiphenyl	24.53	24.42	24.62	0.038	0.040	-5.0

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

EPA Sample No.(PIBLK##): PIBLKCH Date Analyzed : 05/26/05

Lab Sample ID (PIBLK) : PIBLKCH Time Analyzed : 1116

EPA Sample No.(INDAM##) : INDAMCH Date Analyzed : 05/26/05

Lab Sample ID (INDAM) : INDAMCH Time Analyzed : 1152

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.54	12.49	12.59	0.021	0.020	5.0
gamma-BHC (Lindane)	13.92	13.87	13.97	0.020	0.020	0.0
Heptachlor	15.46	15.41	15.51	0.020	0.020	0.0
Endosulfan I	19.83	19.76	19.90	0.022	0.020	10.0
Dieldrin	20.67	20.60	20.74	0.044	0.040	10.0
Endrin	21.53	21.46	21.60	0.043	0.040	7.5
4,4'-DDD	22.00	21.93	22.07	0.043	0.040	7.5
4,4'-DDT	22.81	22.74	22.88	0.042	0.040	5.0
Methoxychlor	24.57	24.50	24.64	0.20	0.20	0.0
Tetrachloro-m-xylene	9.94	9.89	9.99	0.020	0.020	0.0
Decachlorobiphenyl	27.96	27.85	28.05	0.041	0.040	2.5

EPA Sample No.(INDBM##) : INDBMCH Date Analyzed : 05/26/05

Lab Sample ID (INDBM) : INDBMCH Time Analyzed : 1348

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	14.33	14.28	14.38	0.020	0.020	0.0
delta-BHC	15.36	15.31	15.41	0.020	0.020	0.0
Aldrin	16.55	16.50	16.60	0.021	0.020	5.0
Heptachlor epoxide	18.59	18.52	18.66	0.021	0.020	5.0
4,4'-DDE	20.36	20.29	20.43	0.043	0.040	7.5
Endosulfan II	22.14	22.07	22.21	0.042	0.040	5.0
Endosulfan sulfate	23.75	23.68	23.82	0.050	0.040	25.0
Endrin ketone	25.03	24.96	25.10	0.048	0.040	20.0
Endrin aldehyde	23.05	22.98	23.12	0.041	0.040	2.5
alpha-Chlordane	19.71	19.64	19.78	0.021	0.020	5.0
gamma-Chlordane	19.23	19.16	19.30	0.021	0.020	5.0
Tetrachloro-m-xylene	9.94	9.89	9.99	0.019	0.020	-5.0
Decachlorobiphenyl	27.96	27.85	28.05	0.038	0.040	-5.0

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

Instrument ID: E4

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 7.07 DCB: 24.52

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESCC1	RESCC1	05/04/05	1623	7.07	24.53
02	PEMC1	PEMC1	05/04/05	1659	7.06	24.53
03	AR1660C1	AR1660C1	05/04/05	1736	7.06	24.53
04	AR1221C1	AR1221C1	05/04/05	1812	7.06	24.53
05	AR1232C1	AR1232C1	05/04/05	1848	7.07	24.53
06	AR1242C1	AR1242C1	05/04/05	1924	7.07	24.53
07	AR1248C1	AR1248C1	05/04/05	2001	7.07	24.53
08	AR1254C1	AR1254C1	05/04/05	2037	7.07	24.53
09	TOXAPHC1	TOXAPHC1	05/04/05	2113	7.07	24.53
10	INDALC1	INDALC1	05/04/05	2149	7.07	24.53
11	INDBLC1	INDBLC1	05/04/05	2225	7.07	24.53
12	INDAMC1	INDAMC1	05/04/05	2302	7.07	24.52
13	INDBMC1	INDBMC1	05/04/05	2338	7.07	24.52
14	INDAHC1	INDAHC1	05/05/05	0014	7.06	24.52
15	INDBHC1	INDBHC1	05/05/05	0050	7.06	24.52
16	PIBLKC2	PIBLKC2	05/05/05	0127	7.07	24.53
17	PEMC2	PEMC2	05/05/05	0203	7.07	24.53
18	PIBLKCG	PIBLKCG	05/26/05	0546	7.06	24.52
19	PEMCG	PEMCG	05/26/05	0622	7.06	24.52
20	PBLK4E	MB-18108	05/26/05	0927	7.09	24.54
21	P4ELCS	LCS-18108	05/26/05	1003	7.07	24.53
22	PIBLKCH	PIBLKCH	05/26/05	1116	7.07	24.53
23	INDAMCH	INDAMCH	05/26/05	1152	7.06	24.53
24	INDBMCH	INDBMCH	05/26/05	1348	7.08	24.53
25	PBLK4F	MB-18090	05/26/05	1623	7.07	24.53
26	P4FLCS	LCS-18090	05/26/05	1659	7.07	24.53
27	P4FLCSD	LCSD-18090	05/26/05	1735	7.07	24.53
28	RINSATE2	D0529-03B	05/26/05	1812	7.06	24.52
29	B-390	D0529-01A	05/26/05	1848	7.07	24.52
30	B-390MS	D0529-01AMS	05/26/05	1924	7.06	24.52
31	B-390MSD	D0529-01AMSD	05/26/05	2000	7.07	24.52
32	PIBLKCI	PIBLKCI	05/26/05	2113	7.06	24.52

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

Instrument ID: E4

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 7.07 DCB: 24.52

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	PEMCI	PEMCI	05/26/05	2149	7.06	24.52
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

Instrument ID: E4

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.94 DCB: 27.95

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESCC1	RESCC1	05/04/05	1623	9.94	27.96
02	PEMC1	PEMC1	05/04/05	1659	9.94	27.96
03	AR1660C1	AR1660C1	05/04/05	1736	9.94	27.96
04	AR1221C1	AR1221C1	05/04/05	1812	9.94	27.96
05	AR1232C1	AR1232C1	05/04/05	1848	9.94	27.96
06	AR1242C1	AR1242C1	05/04/05	1924	9.94	27.96
07	AR1248C1	AR1248C1	05/04/05	2001	9.94	27.96
08	AR1254C1	AR1254C1	05/04/05	2037	9.94	27.96
09	TOXAPHC1	TOXAPHC1	05/04/05	2113	9.94	27.96
10	INDALC1	INDALC1	05/04/05	2149	9.94	27.96
11	INDBLC1	INDBLC1	05/04/05	2225	9.94	27.96
12	INDAMC1	INDAMC1	05/04/05	2302	9.94	27.95
13	INDBMC1	INDBMC1	05/04/05	2338	9.93	27.96
14	INDAHC1	INDAHC1	05/05/05	0014	9.94	27.95
15	INDBHC1	INDBHC1	05/05/05	0050	9.94	27.95
16	PIBLKC2	PIBLKC2	05/05/05	0127	9.94	27.96
17	PEMC2	PEMC2	05/05/05	0203	9.94	27.96
18	PIBLKCG	PIBLKCG	05/26/05	0546	9.93	27.95
19	PEMCG	PEMCG	05/26/05	0622	9.94	27.95
20	PBLK4E	MB-18108	05/26/05	0927	9.94	27.96
21	P4ELCS	LCS-18108	05/26/05	1003	9.94	27.96
22	PIBLKCH	PIBLKCH	05/26/05	1116	9.94	27.96
23	INDAMCH	INDAMCH	05/26/05	1152	9.94	27.96
24	INDBMCH	INDBMCH	05/26/05	1348	9.94	27.96
25	PBLK4F	MB-18090	05/26/05	1623	9.94	27.96
26	P4FLCS	LCS-18090	05/26/05	1659	9.94	27.96
27	P4FLCSD	LCSD-18090	05/26/05	1735	9.94	27.96
28	RINSATE2	D0529-03B	05/26/05	1812	9.94	27.96
29	B-390	D0529-01A	05/26/05	1848	9.94	27.96
30	B-390MS	D0529-01AMS	05/26/05	1924	9.94	27.96
31	B-390MSD	D0529-01AMSD	05/26/05	2000	9.94	27.96
32	PIBLKCI	PIBLKCI	05/26/05	2113	9.94	27.96

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 05/04/05 05/05/05

Instrument ID: E4

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.94 DCB: 27.95

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	PEMCI	PEMCI	05/26/05	2149	9.94	27.96
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

9A

PESTICIDE FLORISIL CARTRIDGE CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Florisil Cartridge Lot Number: AMFLX-4B Date of Analysis: 01/05/05

GC Column (1): CLPPEST ID: 0.53 (mm) GC Column (2): CLPPESTII ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS
alpha-BHC	0.010	0.0087	87	80-120
gamma-BHC (Lindane)	0.010	0.009	90	80-120
Heptachlor	0.010	0.0096	96	80-120
Endosulfan I	0.010	0.0099	99	80-120
Dieldrin	0.020	0.019	93	80-120
Endrin	0.020	0.019	97	80-120
4,4'-DDD	0.020	0.019	95	80-120
4,4'-DDT	0.020	0.019	93	80-120
Methoxychlor	0.10	0.1	103	80-120
Tetrachloro-m-xylene	0.010	0.01	100	80-120
Decachlorobiphenyl	0.020	0.022	108	80-120
2,4,5-Trichlorophenol	0.050	0	0	<5

Column to be used to flag recovery with an asterisk.
* Values outside of QC limits.

THIS CARTRIDGE LOT APPLIES TO THE FOLLOWING SAMPLES, BLANKS, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLK4E	MB-18108	05/26/05	05/26/05
02	P4ELCS	LCS-18108	05/26/05	05/26/05
03	PBLK4F	MB-18090	05/26/05	05/26/05
04	P4FLCS	LCS-18090	05/26/05	05/26/05
05	P4FLCSD	LCSD-18090	05/26/05	05/26/05
06	RINSATE2	D0529-03B	05/26/05	05/26/05
07	B-390	D0529-01A	05/26/05	05/26/05
08	B-390MS	D0529-01AMS	05/26/05	05/26/05
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

9B

PESTICIDE GPC CALIBRATION VERIFICATION

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

GPC Column: S-X3-A11 Calibration Verification Date: 05/26/05

GC Column (1): CLPPEST ID: 0.53 (mm) GC Column (2): CLPPESTII ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS
gamma-BHC (Lindane)	0.050	0.043	87	80-110
Heptachlor	0.050	0.043	87	80-110
Aldrin	0.050	0.047	93	80-110
Dieldrin	0.10	0.09	90	80-110
Endrin	0.10	0.098	98	80-110
4,4'-DDT	0.10	0.09	90	80-110

Column to be used to flag recovery with an asterisk.
* Values outside of QC limits.

THIS GPC CALIBRATION VERIFICATION APPLIES TO THE FOLLOWING SAMPLES, BLANKS, MS, A

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLK4E	MB-18108	05/26/05	05/26/05
02	P4ELCS	LCS-18108	05/26/05	05/26/05
03	B-390	D0529-01A	05/26/05	05/26/05
04	B-390MS	D0529-01AMS	05/26/05	05/26/05
05	B-390MSD	D0529-01AMSD	05/26/05	05/26/05
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

B-390

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Lab Sample ID: D0529-01A Date(s) Analyzed: 05/26/05 05/26/05

Instrument ID (1): E4 Instrument ID (2): E4

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	16.57	16.51	16.65	11	
	2	20.36	20.29	20.43	13	18.2
4,4'-DDD	1	18.47	18.42	18.56	30	
	2	22.00	21.93	22.07	33	10.0
4,4'-DDT	1	19.34	19.26	19.40	2.5	
	2	22.81	22.74	22.88	3.2	28.0
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

B-390MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Lab Sample ID: D0529-01AMS Date(s) Analyzed: 05/26/05 05/26/05

Instrument ID (1): E4 Instrument ID (2): E4

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	10.49	10.44	10.54	12	
	2	13.92	13.87	13.97	12	0.0
Heptachlor	1	12.15	12.10	12.20	18	
	2	15.46	15.41	15.51	13	38.5
Aldrin	1	13.12	13.07	13.17	14	
	2	16.55	16.50	16.60	15	7.1
Dieldrin	1	17.22	17.15	17.29	26	
	2	20.67	20.60	20.74	30	15.4
4,4'-DDE	1	16.57	16.51	16.65	11	
	2	20.36	20.29	20.43	12	9.1
Endrin	1	17.90	17.84	17.98	29	
	2	21.53	21.46	21.60	30	3.4
4,4'-DDD	1	18.47	18.42	18.56	27	
	2	22.00	21.93	22.07	31	14.8
4,4'-DDT	1	19.33	19.26	19.40	26	
	2	22.81	22.74	22.88	30	15.4

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

B-390MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Lab Sample ID: D0529-01AMSD Date(s) Analyzed: 05/26/05 05/26/05

Instrument ID (1): E4 Instrument ID (2): E4

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	10.49	10.44	10.54	12	
	2	13.92	13.87	13.97	12	0.0
Heptachlor	1	12.15	12.10	12.20	13	
	2	15.46	15.41	15.51	13	0.0
Aldrin	1	13.12	13.07	13.17	14	
	2	16.55	16.50	16.60	15	7.1
Dieldrin	1	17.22	17.15	17.29	26	
	2	20.67	20.60	20.74	30	15.4
4,4'-DDE	1	16.57	16.51	16.65	9.5	
	2	20.36	20.29	20.43	11	15.8
Endrin	1	17.91	17.84	17.98	29	
	2	21.53	21.46	21.60	30	3.4
4,4'-DDD	1	18.47	18.42	18.56	24	
	2	22.00	21.93	22.07	27	12.5
4,4'-DDT	1	19.33	19.26	19.40	29	
	2	22.81	22.74	22.88	30	3.4

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

B-390MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Lab Sample ID: D0529-01AMSD Date(s) Analyzed: 05/26/05 05/26/05

Instrument ID (1): E4 Instrument ID (2): E4

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Methoxychlor	1	20.90	20.83	20.97	7.4	
	2	24.55	24.50	24.64	58	683.8
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

P4ELCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Lab Sample ID: LCS-18108 Date(s) Analyzed: 05/26/05 05/26/05

Instrument ID (1): E4 Instrument ID (2): E4

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	10.49	10.44	10.54	11	
	2	13.92	13.87	13.97	11	0.0
Heptachlor	1	12.15	12.10	12.20	12	
	2	15.46	15.41	15.51	12	0.0
Aldrin	1	13.13	13.07	13.17	14	
	2	16.55	16.50	16.60	14	0.0
Dieldrin	1	17.23	17.15	17.29	26	
	2	20.68	20.60	20.74	27	3.8
Endrin	1	17.91	17.84	17.98	28	
	2	21.53	21.46	21.60	31	10.7
4,4'-DDT	1	19.34	19.26	19.40	24	
	2	22.81	22.74	22.88	27	12.5
	1					
	2					
	1					
	2					

10A

EPA SAMPLE NO.

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

P4FLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Lab Sample ID: LCS-18090 Date(s) Analyzed: 05/26/05 05/26/05

Instrument ID (1): E4 Instrument ID (2): E4

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	10.49	10.44	10.54	0.45	
	2	13.92	13.87	13.97	0.45	0.0
Heptachlor	1	12.15	12.10	12.20	0.49	
	2	15.46	15.41	15.51	0.50	2.0
Aldrin	1	13.12	13.07	13.17	0.55	
	2	16.55	16.50	16.60	0.57	3.6
Dieldrin	1	17.22	17.15	17.29	0.99	
	2	20.67	20.60	20.74	1.1	11.1
Endrin	1	17.91	17.84	17.98	1.1	
	2	21.53	21.46	21.60	1.2	9.1
4,4'-DDT	1	19.33	19.26	19.40	0.96	
	2	22.81	22.74	22.88	1.0	4.2
	1					
	2					
	1					
	2					

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

P4FLCSD

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: D0529

Lab Sample ID: LCSD-18090 Date(s) Analyzed: 05/26/05 05/26/05

Instrument ID (1): E4 Instrument ID (2): E4

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	10.49	10.44	10.54	0.43	
	2	13.92	13.87	13.97	0.43	0.0
Heptachlor	1	12.15	12.10	12.20	0.47	
	2	15.46	15.41	15.51	0.48	2.1
Aldrin	1	13.12	13.07	13.17	0.53	
	2	16.55	16.50	16.60	0.53	0.0
Dieldrin	1	17.22	17.15	17.29	0.96	
	2	20.67	20.60	20.74	1.1	14.6
Endrin	1	17.91	17.84	17.98	1.0	
	2	21.53	21.46	21.60	1.2	20.0
4,4'-DDT	1	19.34	19.26	19.40	0.91	
	2	22.81	22.74	22.88	0.98	7.7
	1					
	2					
	1					
	2					

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

RINSATE2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Lab Sample ID: D0529-03B Date(s) Analyzed: 05/26/05 05/26/05

Instrument ID (1): E4 Instrument ID (2): E4

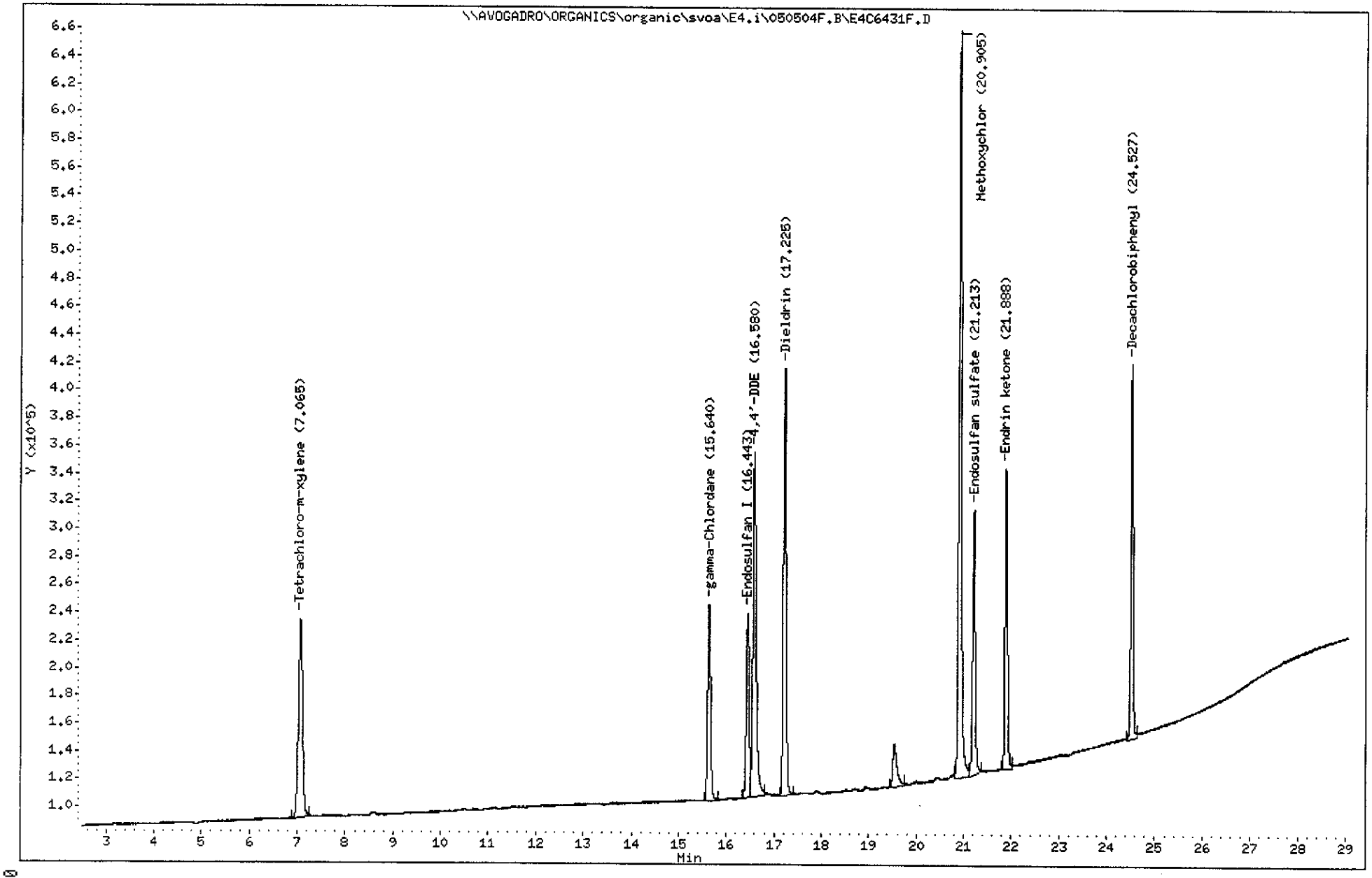
GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	16.61	16.51	16.65	0.091	
	2	20.39	20.29	20.43	0.045	102.2
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

Forms Generation Complete

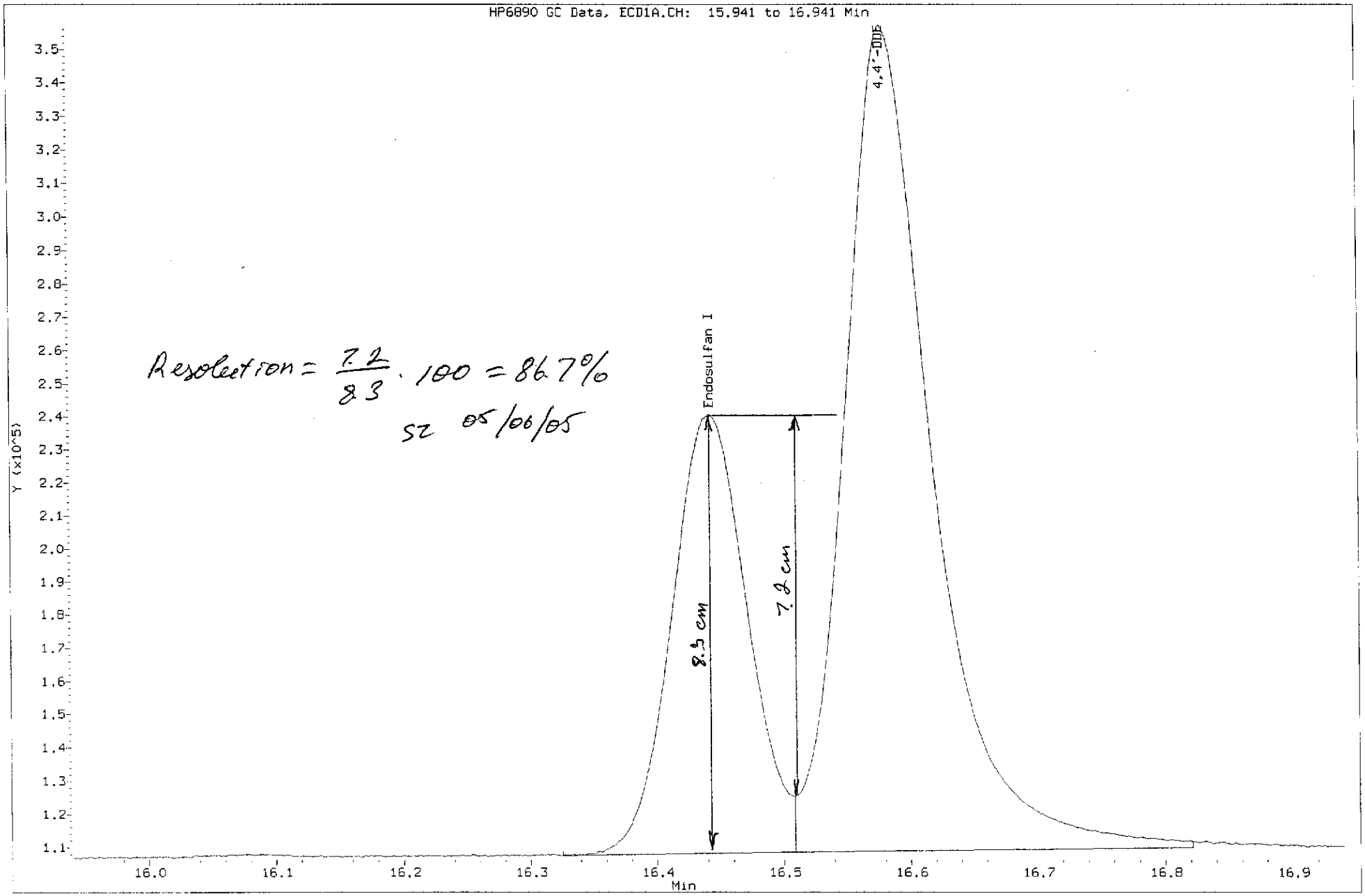
Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6431F.D
Date : 04-MAY-2005 16:23
Client ID: RESCC1
Sample Info: RESCC1,RESCC1,,resc,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



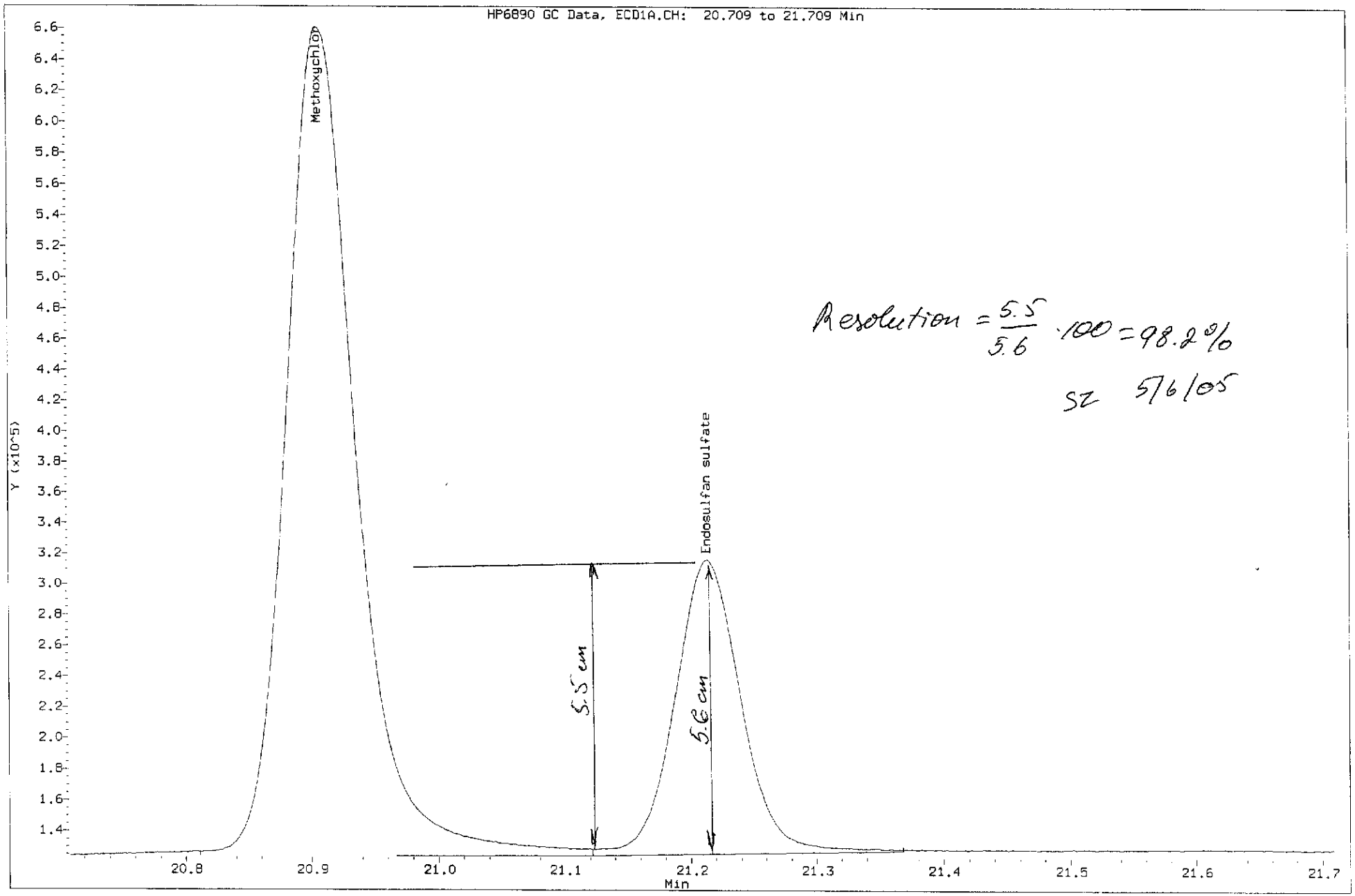
0505

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504f.B\E4C6431F.D
Injection Date: 04-MAY-2005 16:23
Instrument: E4.i
Client Sample ID: RESCC1



9050

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6431F.D
Injection Date: 04-MAY-2005 16:23
Instrument: E4.i
Client Sample ID: RESCC1



Resolution $= \frac{5.5}{5.6} \cdot 100 = 98.2\%$

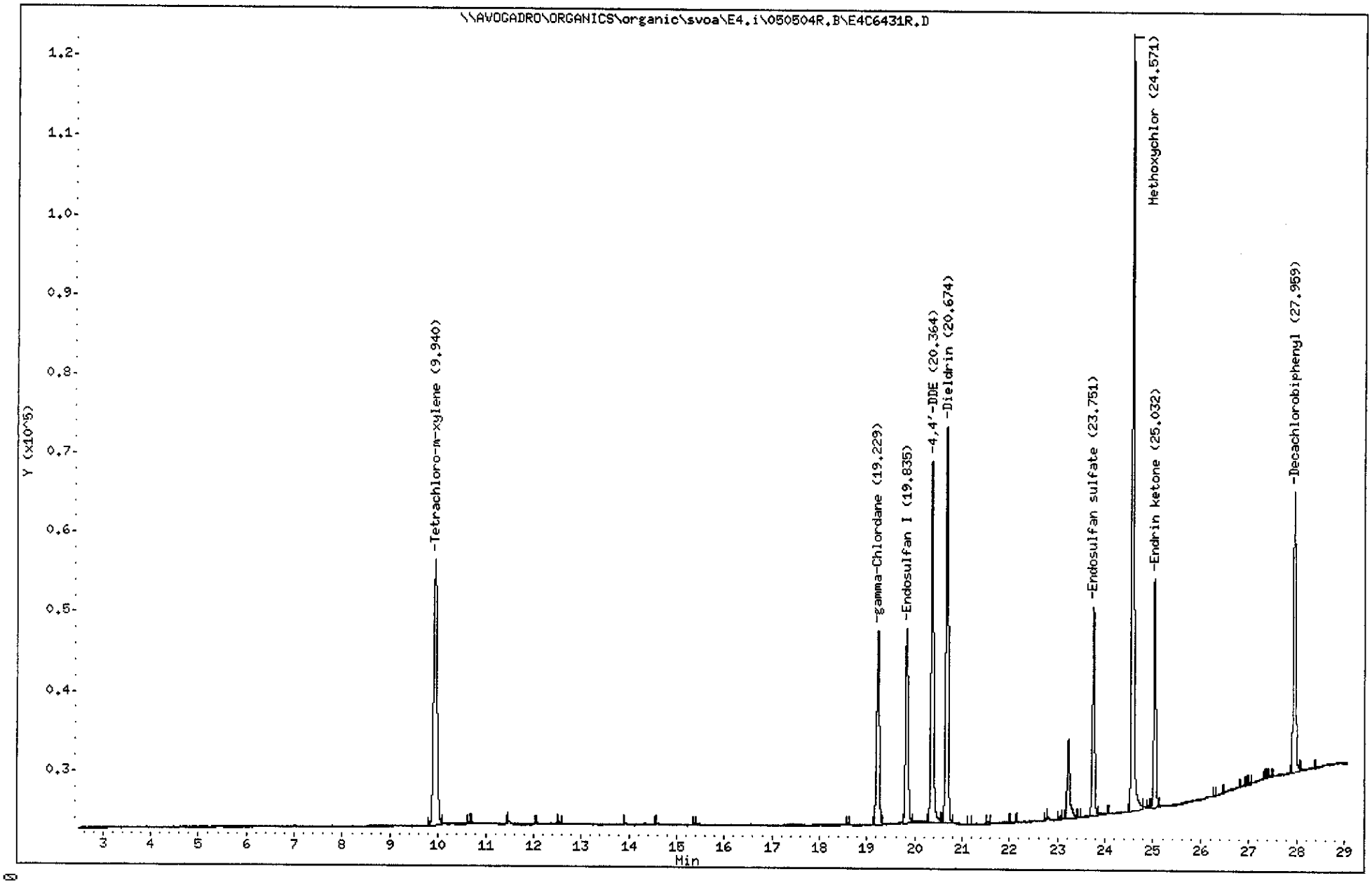
SZ 576105

0507

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6431R.D
Date : 04-MAY-2005 16:23
Client ID: RESCC1
Sample Info: RESCC1,RESCC1,,resc,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i

Operator: SRC:
Column diameter: 0.53



8050

Data File: E4C6431F.D
Report Date: 05-May-2005 10:08

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6431F.D
Lab Smp Id: RESCC1 Client Smp ID: RESCC1
Inj Date : 04-MAY-2005 16:23
Operator : SRC: Inst ID: E4.i
Smp Info : RESCC1,RESCC1,,resc.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 1 QC Sample: RESOLUTION
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: resc.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
11 gamma-Chlordane					CAS #: 5103-74-2		
15.6	15.6	0.000	603241	0.00964	0.0096		
10 Endosulfan I					CAS #: 959-98-8		
16.4	16.4	0.000	544845	0.00914	0.0091		
13 4,4'-DDE					CAS #: 72-55-9		
16.6	16.6	0.000	1184527	0.02021	0.020		
14 Dieldrin					CAS #: 60-57-1		
17.2	17.2	0.000	1233992	0.01860	0.019		

Data File: E4C6431F.D
Report Date: 05-May-2005 10:08

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
20 Endosulfan sulfate						CAS #: 1031-07-8	
21.2	21.2	0.000	697998	0.01932	0.019		
22 Endrin ketone						CAS #: 53494-70-5	
21.9	21.9	0.000	724828	0.02005	0.020		
21 Methoxychlor						CAS #: 72-43-5	
20.9	20.9	0.000	2078464	0.09475	0.095		
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.07	7.07	0.000	866166	0.01862	0.019		(R)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	861243	0.01861	0.019		(R)

SZ 05/06/05

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: E4C6431R.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6431R.D
Lab Smp Id: RESCC1 Client Smp ID: RESCC1
Inj Date : 04-MAY-2005 16:23
Operator : SRC: Inst ID: E4.i
Smp Info : RESCC1,RESCC1,,resc.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 1 QC Sample: RESOLUTION
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: resc.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
11 gamma-Chlordane						CAS #: 5103-74-2	
19.2	19.2	0.000	94328	0.00948	0.0095		
10 Endosulfan I						CAS #: 959-98-8	
19.8	19.8	0.000	91564	0.00926	0.0093		
13 4,4'-DDE						CAS #: 72-55-9	
20.4	20.4	0.000	162259	0.01874	0.019		
14 Dieldrin						CAS #: 60-57-1	
20.7	20.7	0.000	172588	0.01677	0.017		

Data File: E4C6431R.D
Report Date: 05-May-2005 10:09

			CONCENTRATIONS				
				ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
20 Endosulfan sulfate						CAS #: 1031-07-8	
23.8	23.7	0.100	83616	0.01897	0.019		
22 Endrin ketone						CAS #: 53494-70-5	
25.0	25.0	0.000	86333	0.02080	0.021		
21 Methoxychlor						CAS #: 72-43-5	
24.6	24.6	0.000	306231	0.09010	0.090		
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	167596	0.01863	0.019		(R)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	118555	0.01761	0.018		(R)

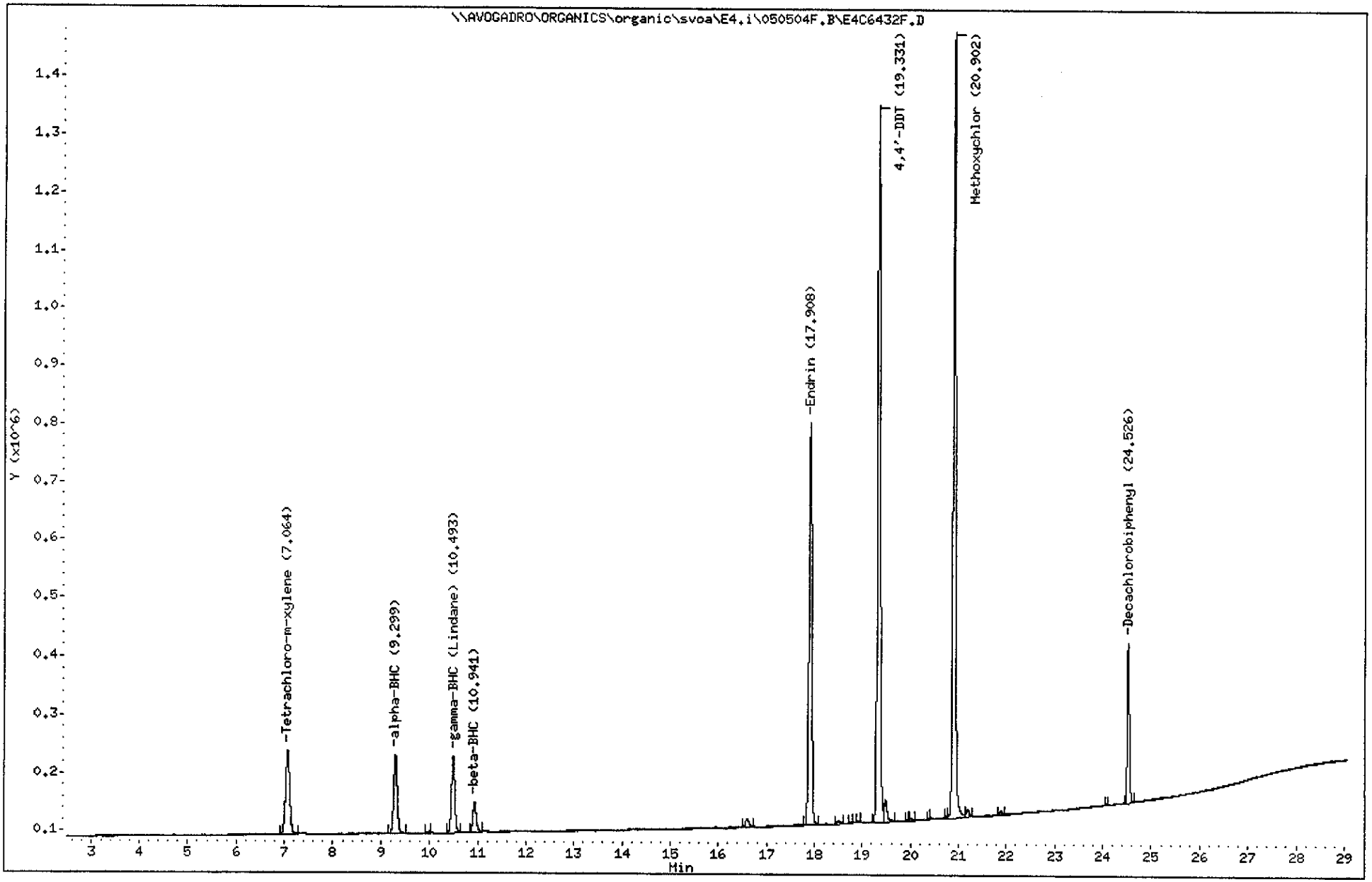
SZ 05/05/05

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6432F.D
Date : 04-MAY-2005 16:59
Client ID: PEMC1
Sample Info: PEMC1,PEMC1,,pem,sub,PEM,SPK,
Volume Injected (uL): 1.0
Column phase: CLPPest

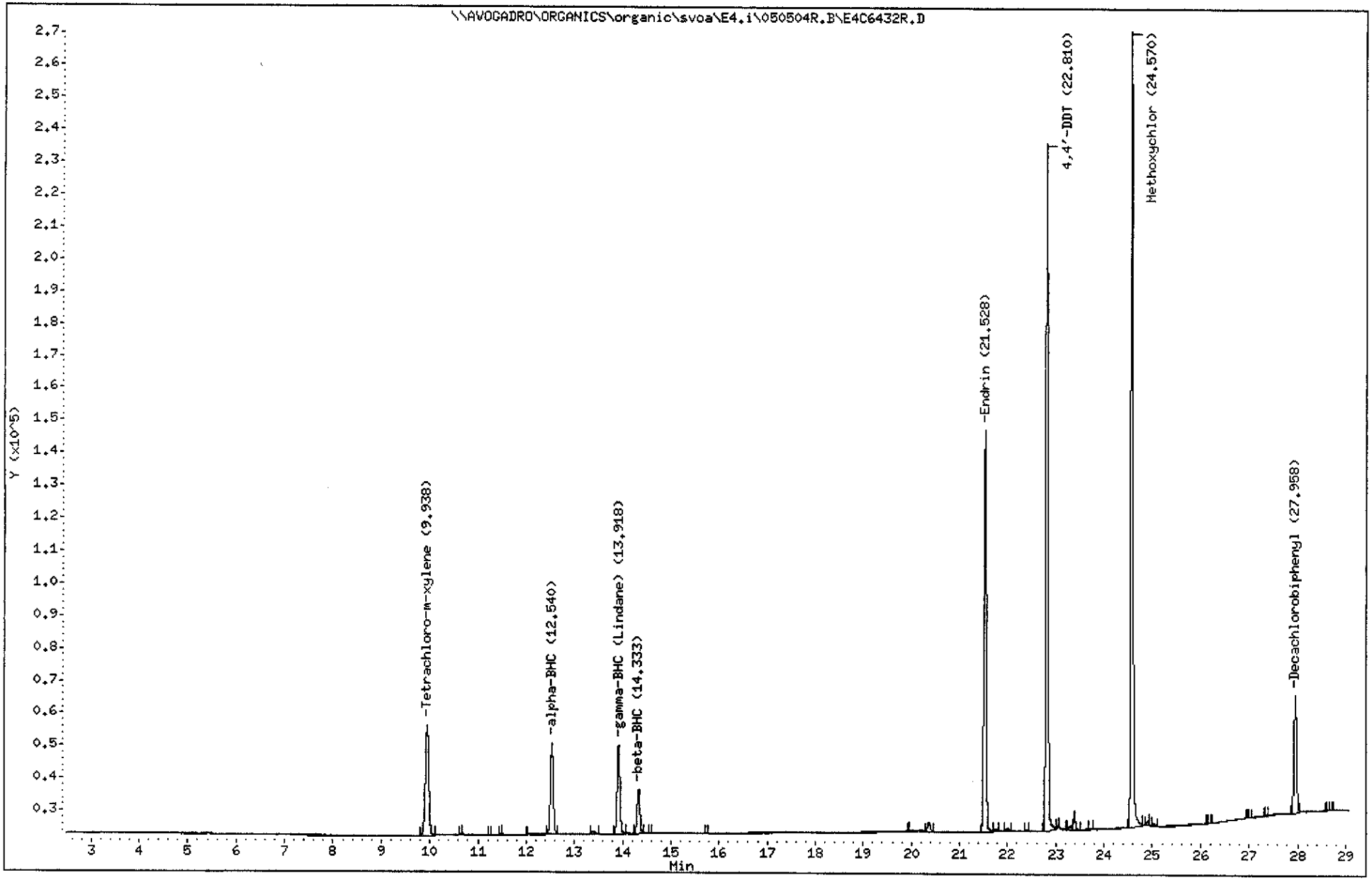
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0513

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6432R.D
Date : 04-MAY-2005 16:59
Client ID: PEMC1
Sample Info: PEMC1,PEMC1,,pem.sub,PEM.SPK,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0514

Data File: E4C6432F.D
Report Date: 05-May-2005 10:08

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6432F.D
Lab Smp Id: PEMC1 Client Smp ID: PEMC1
Inj Date : 04-MAY-2005 16:59
Operator : SRC: Inst ID: E4.i
Smp Info : PEMC1,PEMC1,,pem.sub,PEM.SPK,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 2 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$	1 Tetrachloro-m-xylene					CAS #: 877-09-8		
	7.06	7.07	-0.010	884851	0.01902	0.019		
	3 alpha-BHC					CAS #: 319-84-6		
	9.30	9.30	0.000	690712	0.00918	0.0092		
	4 gamma-BHC (Lindane)					CAS #: 58-89-9		
	10.5	10.5	0.000	633547	0.00907	0.0091		
	7 beta-BHC					CAS #: 319-85-7		
	10.9	10.9	0.000	269638	0.01043	0.010		

Data File: E4C6432F.D
Report Date: 05-May-2005 10:08

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
15 Endrin						CAS #: 72-20-8	
17.9	17.9	0.000	2845835	0.05169	0.052		
18 4,4'-DDT						CAS #: 50-29-3	
19.3	19.3	0.000	4637904	0.09803	0.098		
21 Methoxychlor						CAS #: 72-43-5	
20.9	20.9	0.000	4978218	0.22694	0.23		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	862770	0.01865	0.019		

SZ 05/05/05

Data File: E4C6432R.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6432R.D
Lab Smp Id: PEMC1 Client Smp ID: PEMC1
Inj Date : 04-MAY-2005 16:59
Operator : SRC: Inst ID: E4.i
Smp Info : PEMC1,PEMC1,,pem.sub,PEM.SPK,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 2 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

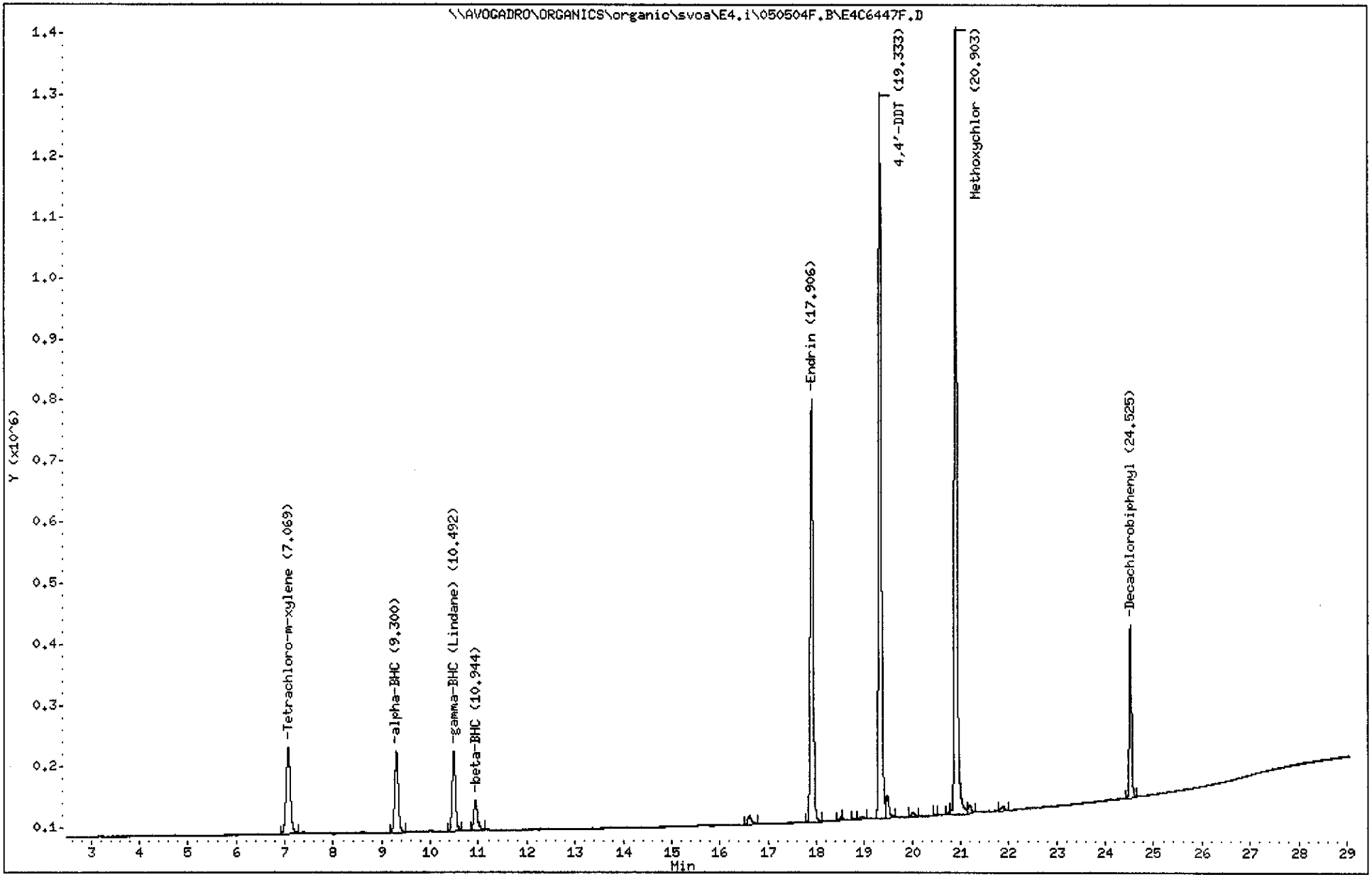
				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	172257	0.01915	0.019		
3 alpha-BHC						CAS #: 319-84-6	
12.5	12.5	0.000	116200	0.00927	0.0093		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
13.9	13.9	0.000	110488	0.00942	0.0094		
7 beta-BHC						CAS #: 319-85-7	
14.3	14.3	0.000	53713	0.01012	0.010		

Data File: E4C6432R.D
Report Date: 05-May-2005 10:09

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
15 Endrin					CAS #: 72-20-8		
21.5	21.5	0.000	403184	0.05110	0.051		
18 4,4'-DDT					CAS #: 50-29-3		
22.8	22.8	0.000	652121	0.09338	0.093		
21 Methoxychlor					CAS #: 72-43-5		
24.6	24.6	0.000	746022	0.21949	0.22		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	121778	0.01809	0.018		

SZ 05/06/06

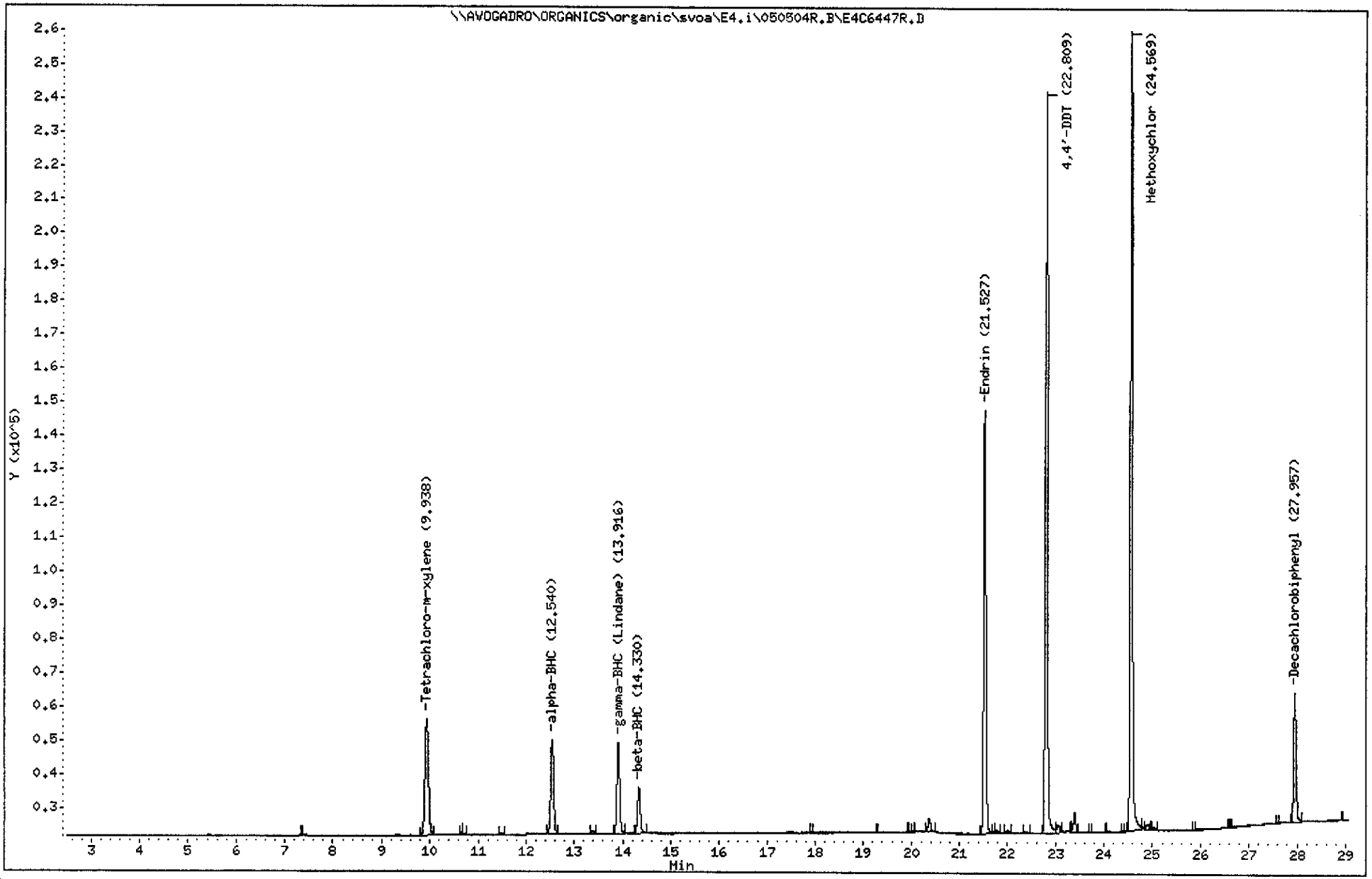
Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6447F.D
Date : 05-MAY-2005 02:03
Client ID: PEMC2
Instrument: E4.i
Sample Info: PEMC2,PEMC2,,pem,sub,PEM,SPK,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0519

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6447R.D
Date : 05-MAY-2005 02:03
Client ID: PEMC2
Sample Info: PEMC2,PEMC2,,pem.sub,PEM.SPK,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0520

Data File: E4C6447F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6447F.D
Lab Smp Id: PEMC2 Client Smp ID: PEMC2
Inj Date : 05-MAY-2005 02:03
Operator : SRC: Inst ID: E4.i
Smp Info : PEMC2,PEMC2,,pem.sub,PEM.SPK,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 16 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$	1 Tetrachloro-m-xylene					CAS #: 877-09-8		
	7.07	7.07	0.000	888062	0.01909	0.019		
	3 alpha-BHC					CAS #: 319-84-6		
	9.30	9.30	0.000	686970	0.00914	0.0091		
	4 gamma-BHC (Lindane)					CAS #: 58-89-9		
	10.5	10.5	0.000	636839	0.00912	0.0091		
	7 beta-BHC					CAS #: 319-85-7		
	10.9	10.9	0.000	266296	0.01030	0.010		

Data File: E4C6447F.D
Report Date: 05-May-2005 10:09

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
15 Endrin						CAS #: 72-20-8	
17.9	17.9	0.000	2866836	0.05207	0.052		
18 4,4'-DDT						CAS #: 50-29-3	
19.3	19.3	0.000	4557570	0.09633	0.096		
21 Methoxychlor						CAS #: 72-43-5	
20.9	20.9	0.000	4887212	0.22279	0.22		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	895427	0.01935	0.019		

SZ 05/05/05

Data File: E4C6447R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6447R.D
Lab Smp Id: PEMC2 Client Smp ID: PEMC2
Inj Date : 05-MAY-2005 02:03
Operator : SRC: Inst ID: E4.i
Smp Info : PEMC2,PEMC2,,pem.sub,PEM.SPK,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 16 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

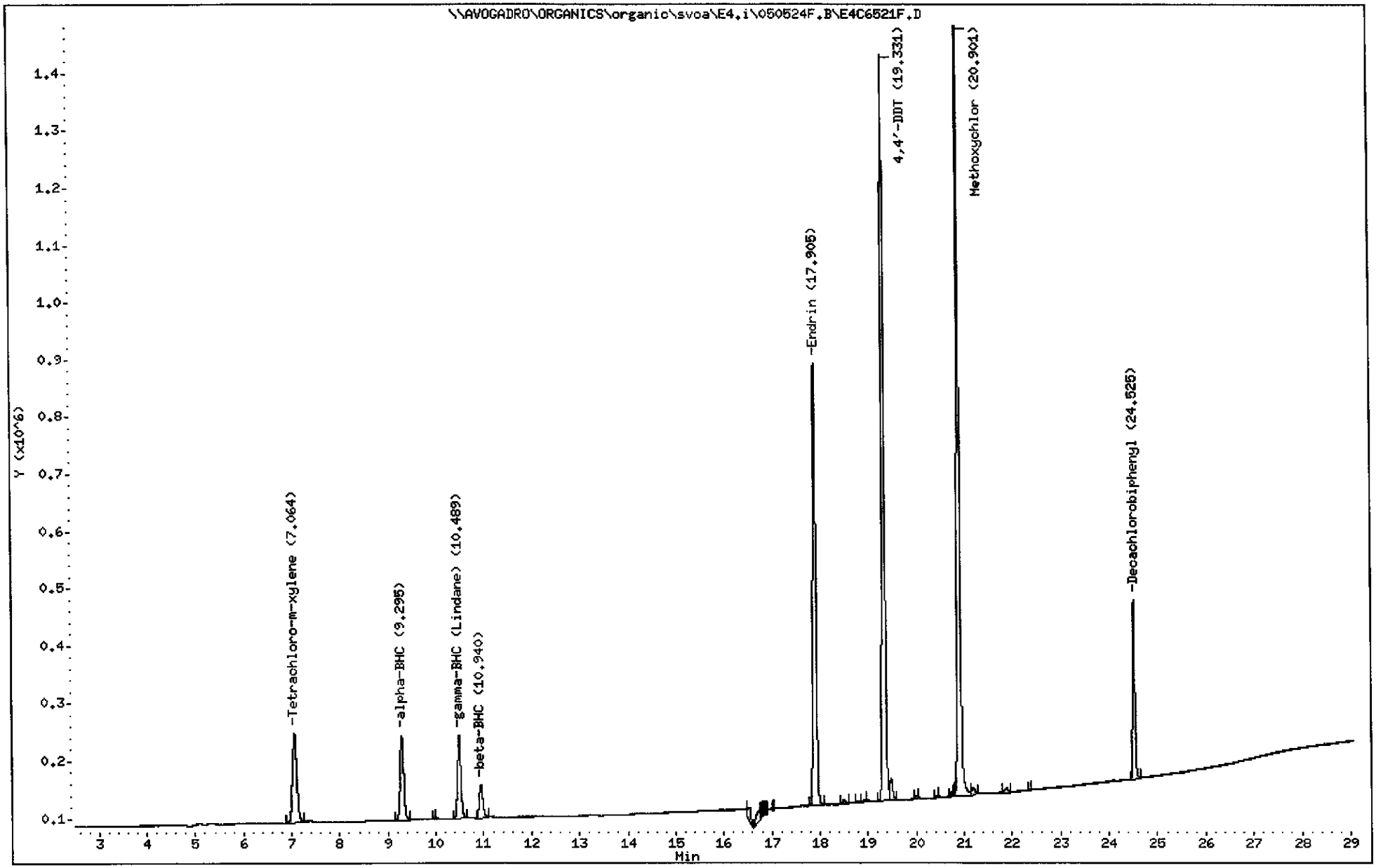
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	173239	0.01926	0.019		
3 alpha-BHC						CAS #: 319-84-6	
12.5	12.5	0.000	116665	0.00931	0.0093		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
13.9	13.9	0.000	109405	0.00933	0.0093		
7 beta-BHC						CAS #: 319-85-7	
14.3	14.3	0.000	55919	0.01053	0.011		

Data File: E4C6447R.D
Report Date: 05-May-2005 10:10

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
15 Endrin						CAS #: 72-20-8	
21.5	21.5	0.000	409334	0.05188	0.052		
18 4,4'-DDT						CAS #: 50-29-3	
22.8	22.8	0.000	669156	0.09582	0.096		
21 Methoxychlor						CAS #: 72-43-5	
24.6	24.6	0.000	730627	0.21496	0.21		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	128321	0.01906	0.019		

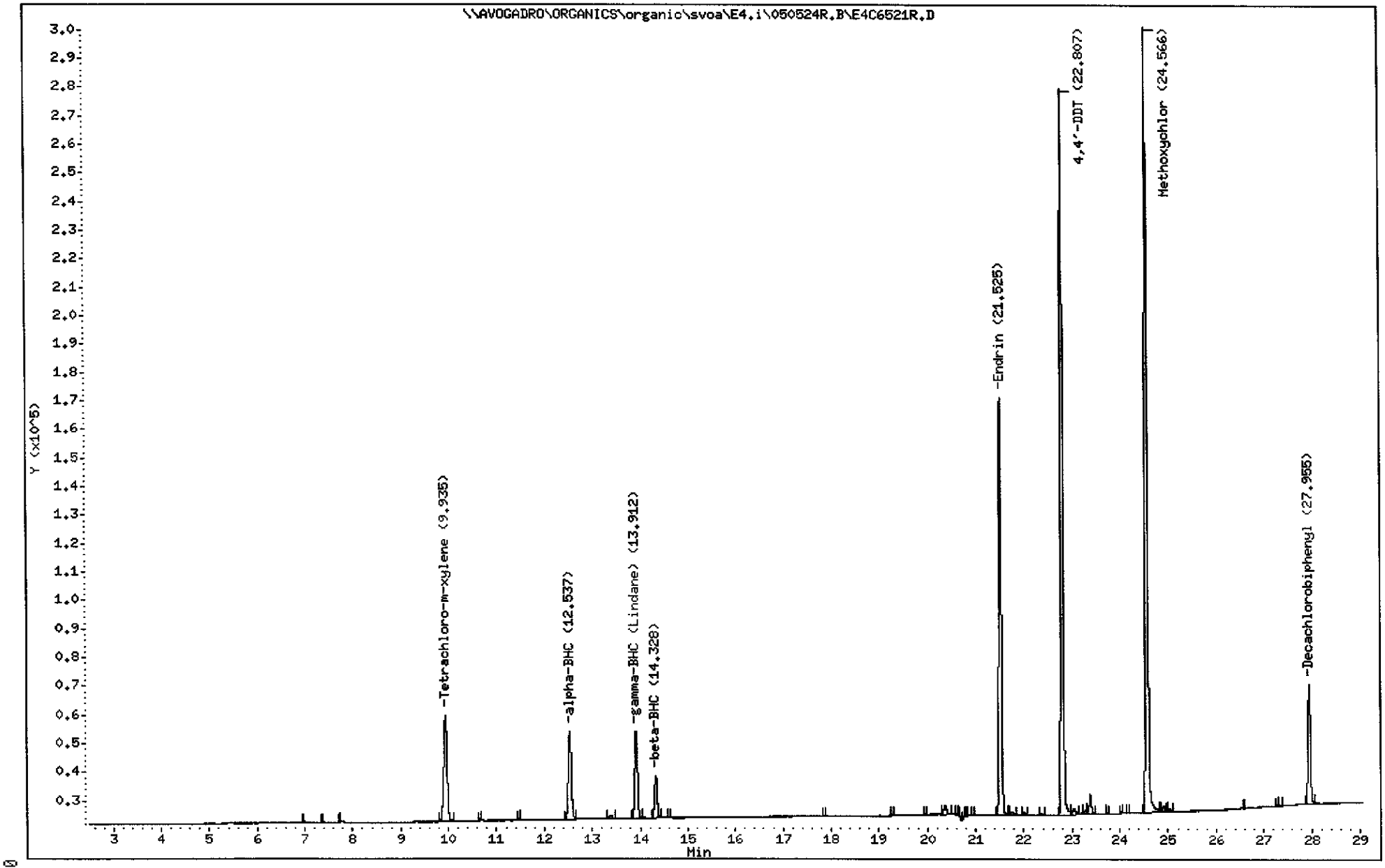
5/6/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6521F.D
Date : 26-MAY-2005 06:22
Client ID: PEMCG
Instrument: E4.i
Sample Info: PEMCG,PEMCG,,pem,sub,PEM.SPK,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0525

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6521R.D
Date : 26-MAY-2005 06:22
Client ID: PEMCG
Instrument: E4.i
Sample Info: PEMCG,PEMCG,,pem,sub,PEM,SPK,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0526

Data File: E4C6521F.D
Report Date: 01-Jun-2005 10:27

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6521F.D
Lab Smp Id: PEMCG Client Smp ID: PEMCG
Inj Date : 26-MAY-2005 06:22
Operator : SRC: Inst ID: E4.i
Smp Info : PEMCG,PEMCG,,pem.sub,PEM.SPK,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 1 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.06	7.07	-0.010	964349	0.02073	0.021		
3 alpha-BHC						CAS #: 319-84-6	
9.30	9.30	0.000	763102	0.01015	0.010		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
10.5	10.5	0.000	711003	0.01018	0.010		
7 beta-BHC						CAS #: 319-85-7	
10.9	10.9	0.000	302258	0.01169	0.012		
15 Endrin						CAS #: 72-20-8	
17.9	17.9	0.000	3160836	0.05741	0.057		

6/1/05

Data File: E4C6521F.D
Report Date: 01-Jun-2005 10:27

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
18 4,4'-DDT					CAS #: 50-29-3		
19.3	19.3	0.000	4947426	0.10457	0.10		
21 Methoxychlor					CAS #: 72-43-5		
20.9	20.9	0.000	5068550	0.23106	0.23		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	977484	0.02113	0.021		

Data File: E4C6521R.D
Report Date: 01-Jun-2005 10:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6521R.D
Lab Smp Id: PEMCG Client Smp ID: PEMCG
Inj Date : 26-MAY-2005 06:22
Operator : SRC: Inst ID: E4.i
Smp Info : PEMCG,PEMCG,,pem.sub,PEM.SPK,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 1 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

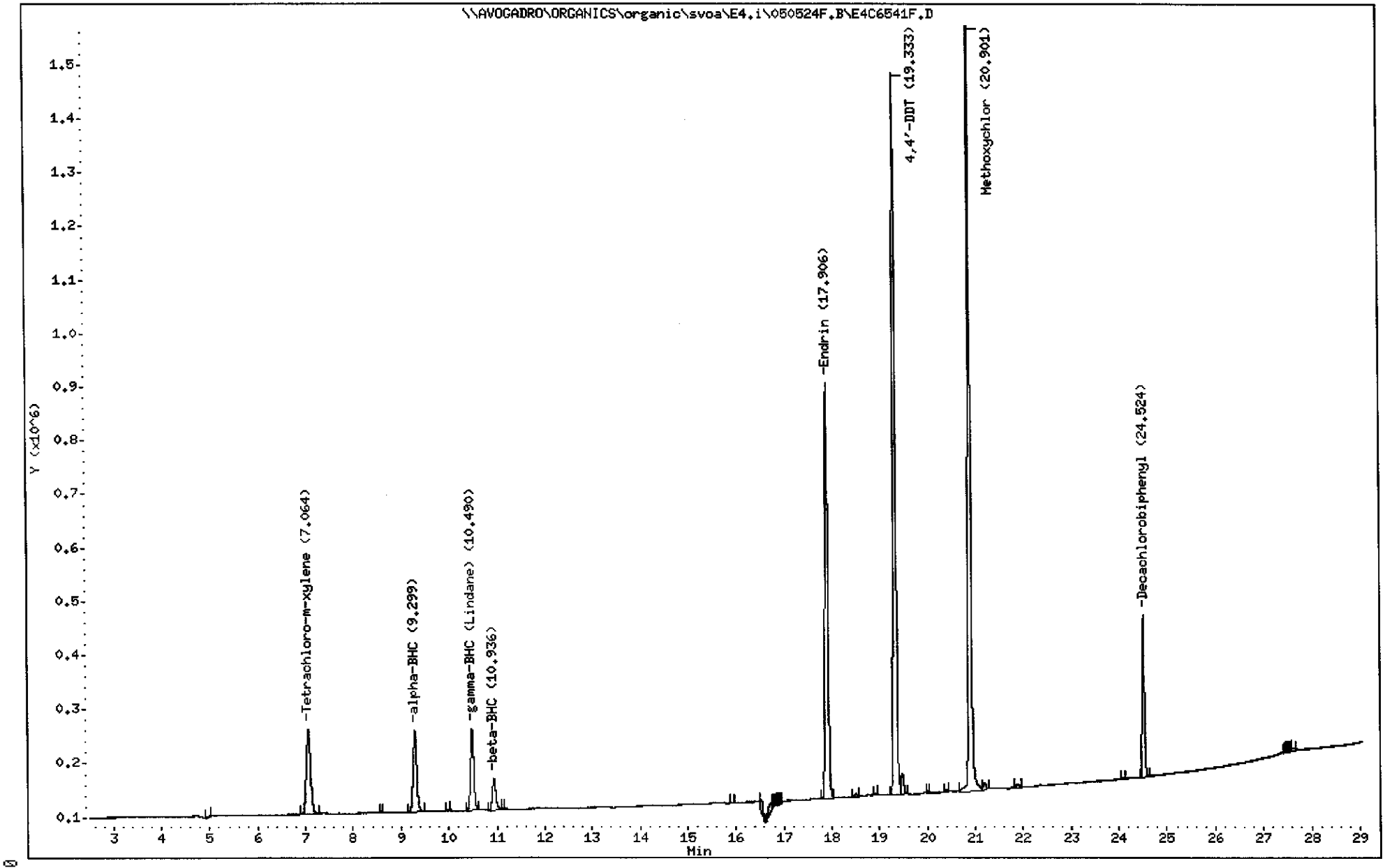
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	185840	0.02066	0.021		
3 alpha-BHC					CAS #: 319-84-6		
12.5	12.5	0.000	128582	0.01026	0.010		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
13.9	13.9	0.000	120432	0.01027	0.010		
7 beta-BHC					CAS #: 319-85-7		
14.3	14.3	0.000	58799	0.01108	0.011		
15 Endrin					CAS #: 72-20-8		
21.5	21.5	0.000	476238	0.06036	0.060		

6/1/05

Data File: E4C6521R.D
Report Date: 01-Jun-2005 10:28

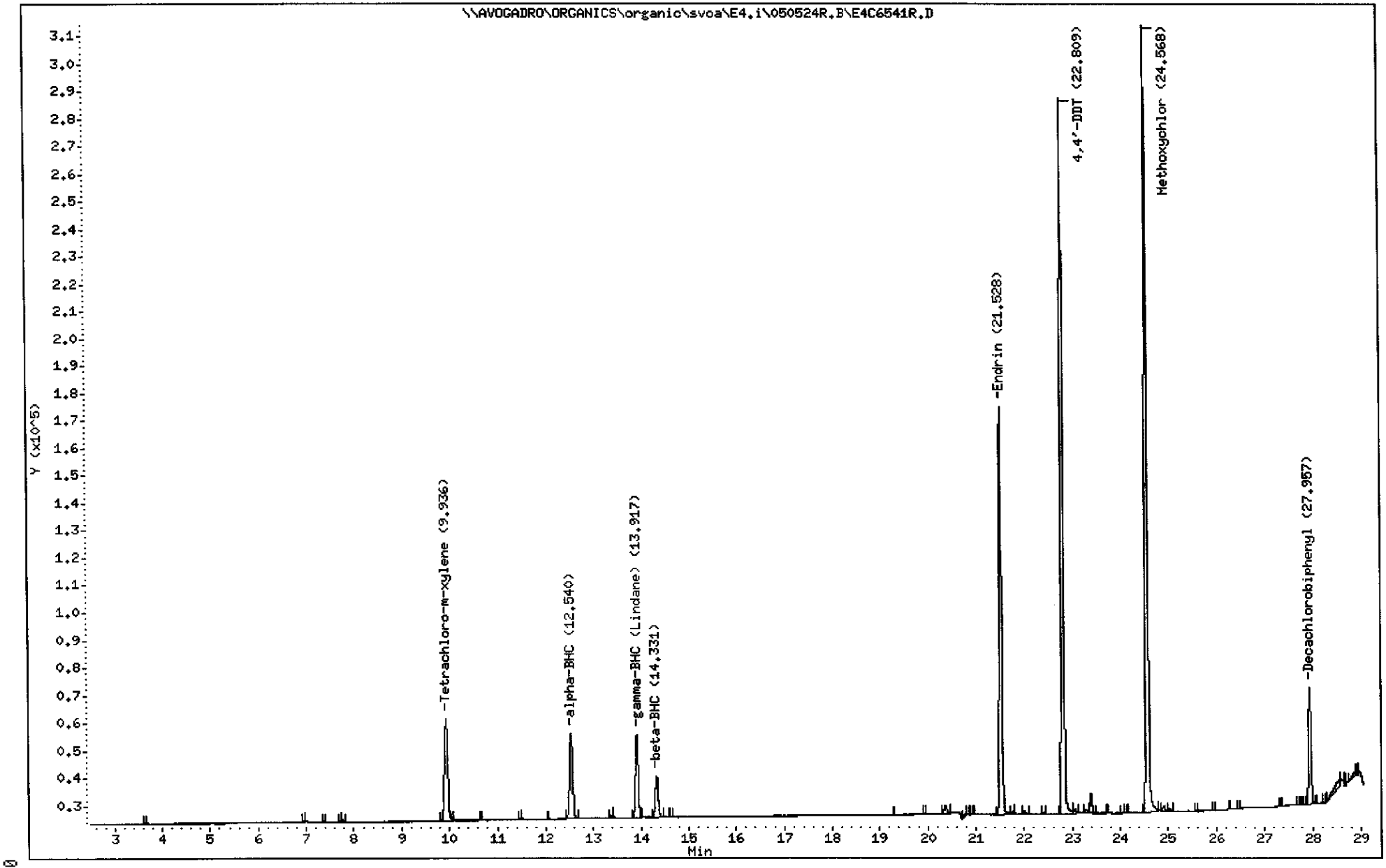
				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
18 4,4'-DDT						CAS #: 50-29-3	
22.8	22.8	0.000	775477	0.11105	0.11		
21 Methoxychlor						CAS #: 72-43-5	
24.6	24.6	0.000	829259	0.24398	0.24		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	139859	0.02078	0.021		

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6541F.D
Date : 26-MAY-2005 21:49
Client ID: PEMCI
Instrument: E4.i
Sample Info: PEMCI,PEMCI,,pem,sub,PEM,SPK,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0531

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6541R.D
Date : 26-MAY-2005 21:49
Client ID: PEMCI
Instrument: E4.i
Sample Info: PEMCI,PEMCI,,pem.sub,PEM.SPK,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0552

Data File: E4C6541F.D
Report Date: 01-Jun-2005 10:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6541F.D
Lab Smp Id: PEMCI Client Smp ID: PEMCI
Inj Date : 26-MAY-2005 21:49
Operator : SRC: Inst ID: E4.i
Smp Info : PEMCI,PEMCI,,pem.sub,PEM.SPK,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 18 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.07	-0.010	971312	0.02088	0.021		
3 alpha-BHC					CAS #: 319-84-6		
9.30	9.30	0.000	775912	0.01032	0.010		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	711349	0.01019	0.010		
7 beta-BHC					CAS #: 319-85-7		
10.9	10.9	0.000	309291	0.01196	0.012		

Data File: E4C6541F.D
Report Date: 01-Jun-2005 10:28

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
15 Endrin						CAS #: 72-20-8	
17.9	17.9	0.000	3172391	0.05762	0.058		
18 4,4'-DDT						CAS #: 50-29-3	
19.3	19.3	0.000	5092288	0.10763	0.11		
21 Methoxychlor						CAS #: 72-43-5	
20.9	20.9	0.000	5320451	0.24254	0.24		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	949127	0.02051	0.021		

Data File: E4C6541R.D
Report Date: 01-Jun-2005 10:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6541R.D
Lab Smp Id: PEMCI Client Smp ID: PEMCI
Inj Date : 26-MAY-2005 21:49
Operator : SRC: Inst ID: E4.i
Smp Info : PEMCI,PEMCI,,pem.sub,PEM.SPK,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 18 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

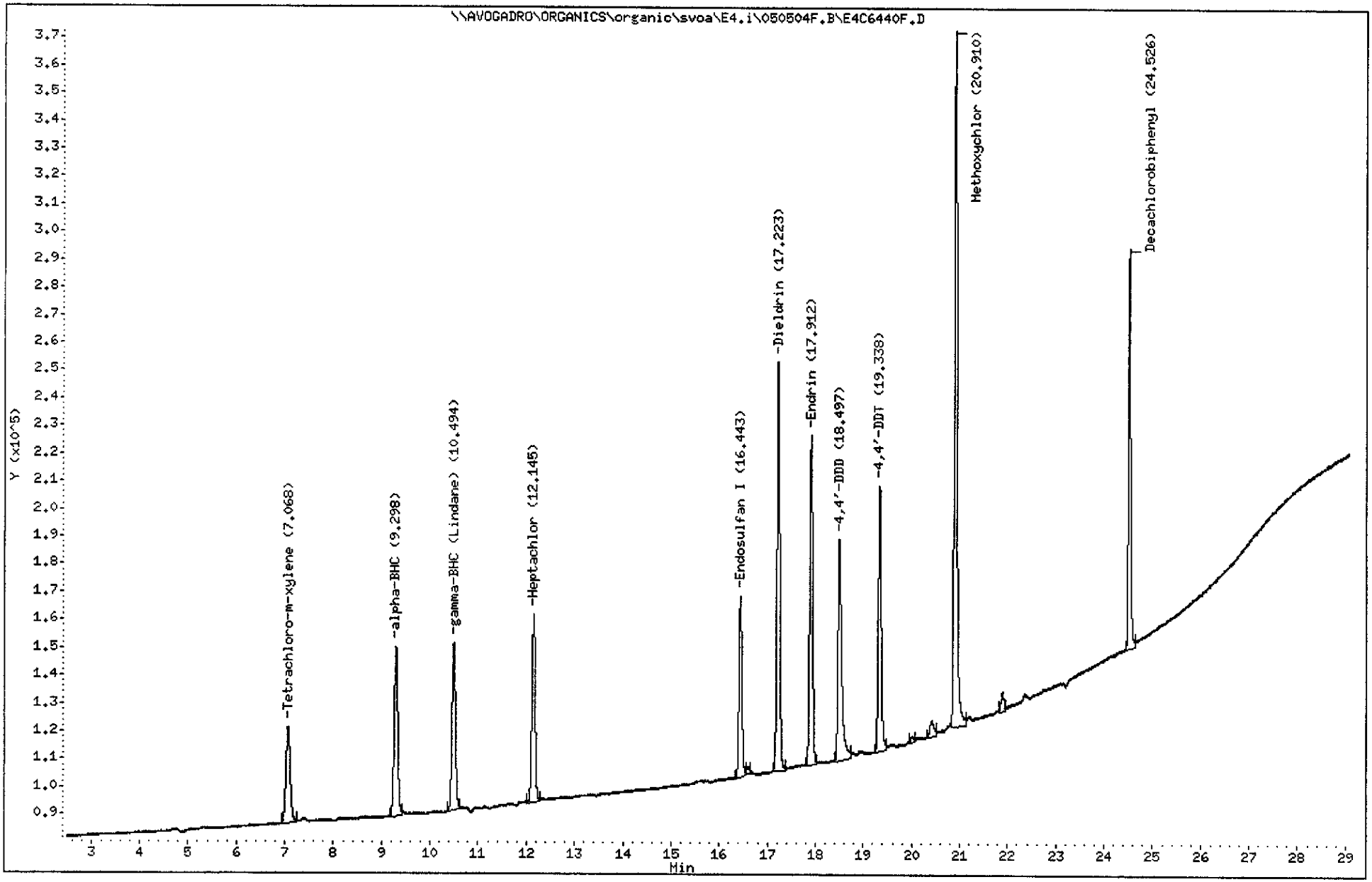
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	185543	0.02062	0.021		
3 alpha-BHC					CAS #: 319-84-6		
12.5	12.5	0.000	129295	0.01032	0.010		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
13.9	13.9	0.000	120852	0.01031	0.010		
7 beta-BHC					CAS #: 319-85-7		
14.3	14.3	0.000	60459	0.01139	0.011		

Data File: E4C6541R.D
Report Date: 01-Jun-2005 10:28

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
15 Endrin						CAS #: 72-20-8	
21.5	21.5	0.000	484849	0.06145	0.061		
18 4,4'-DDT						CAS #: 50-29-3	
22.8	22.8	0.000	792425	0.11347	0.11		
21 Methoxychlor						CAS #: 72-43-5	
24.6	24.6	0.000	860137	0.25307	0.25		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	140705	0.02090	0.021		

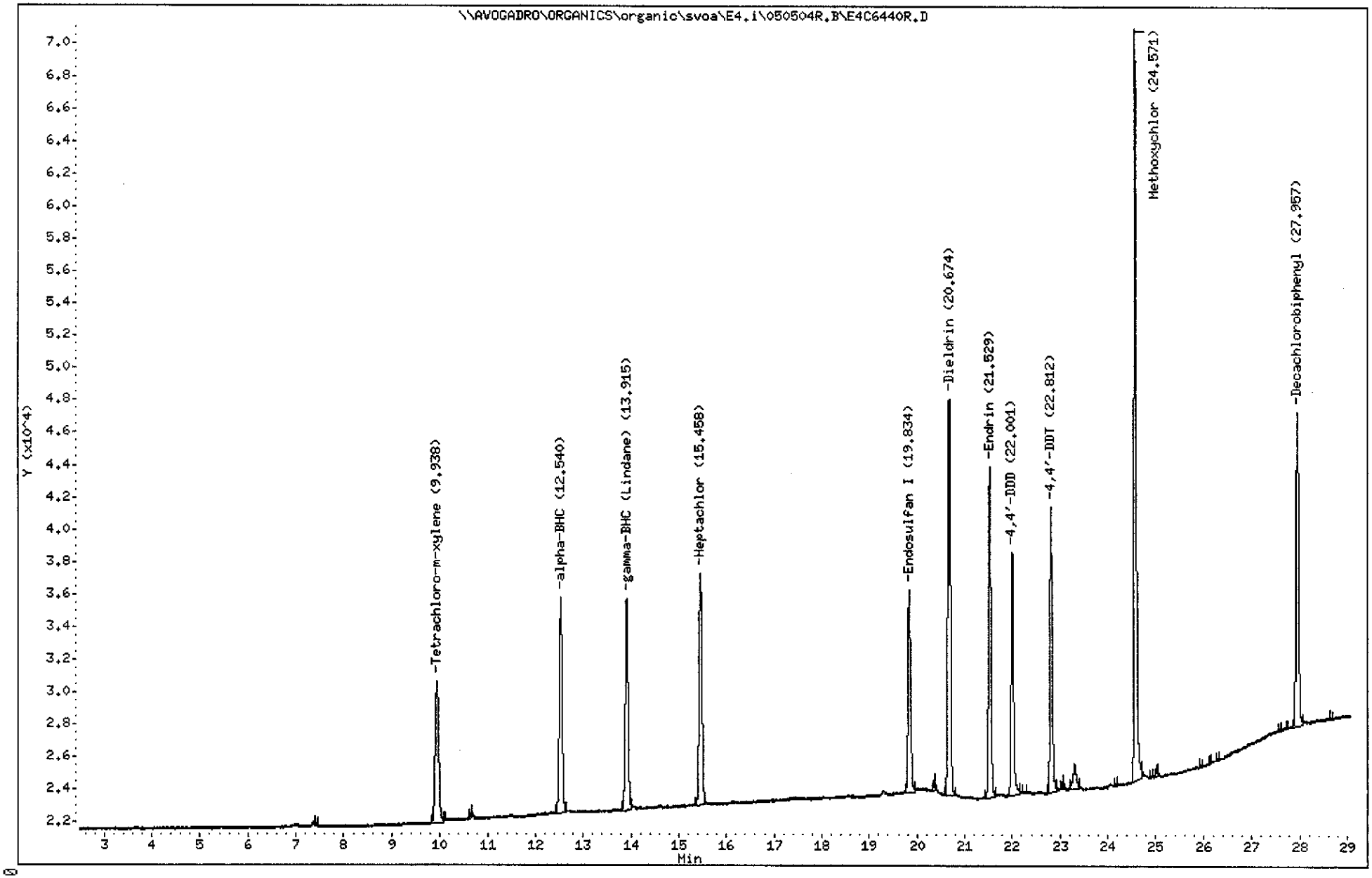
Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6440F.D
Date : 04-MAY-2005 21:49
Client ID: INDALC1
Sample Info: INDALC1,INDALC1,,inda.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0537

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6440R.D
Date : 04-MAY-2005 21:49
Client ID: INDALC1
Instrument: E4.i
Sample Info: INDALC1,INDALC1,,inda,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0538

Data File: E4C6440F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6440F.D
Lab Smp Id: INDALC1 Client Smp ID: INDALC1
Inj Date : 04-MAY-2005 21:49
Operator : SRC: Inst ID: E4.i
Smp Info : INDALC1,INDALC1,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.07	7.07	0.000	220573	0.00500	0.0047		(a)
3 alpha-BHC					CAS #: 319-84-6		
9.30	9.30	0.000	314538	0.00500	0.0042		(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	293962	0.00500	0.0042		(a)
5 Heptachlor					CAS #: 76-44-8		
12.1	12.1	0.000	313696	0.00500	0.0046		(a)

Data File: E4C6440F.D
Report Date: 05-May-2005 10:09

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	============	=====
10 Endosulfan I						CAS #: 959-98-8	
16.4	16.4	0.000	273871	0.00500	0.0046		(a)
14 Dieldrin						CAS #: 60-57-1	
17.2	17.2	0.000	597979	0.01000	0.0090		(a)
15 Endrin						CAS #: 72-20-8	
17.9	17.9	0.000	495204	0.01000	0.0090		(a)
16 4,4'-DDD						CAS #: 72-54-8	
18.5	18.5	0.000	419311	0.01000	0.0085		(a)
18 4,4'-DDT						CAS #: 50-29-3	
19.3	19.3	0.000	393822	0.01000	0.0083		(a)
21 Methoxychlor						CAS #: 72-43-5	
20.9	20.9	0.000	994748	0.05000	0.045		(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	458603	0.01000	0.0099		(a)

SZ 05/06/05

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6440R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6440R.D
Lab Smp Id: INDALC1 Client Smp ID: INDALC1
Inj Date : 04-MAY-2005 21:49
Operator : SRC: Inst ID: E4.i
Smp Info : INDALC1,INDALC1,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	44850	0.00500	0.0050		(a)
3 alpha-BHC					CAS #: 319-84-6		
12.5	12.5	0.000	55275	0.00500	0.0044		(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
13.9	13.9	0.000	52189	0.00500	0.0045		(a)
5 Heptachlor					CAS #: 76-44-8		
15.5	15.5	0.000	59629	0.00500	0.0048		(a)

Data File: E4C6440R.D
Report Date: 05-May-2005 10:10

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
10 Endosulfan I						CAS #: 959-98-8	
19.8	19.8	0.000	46933	0.00500	0.0047		(a)
14 Dieldrin						CAS #: 60-57-1	
20.7	20.7	0.000	86042	0.01000	0.0084		(a)
15 Endrin						CAS #: 72-20-8	
21.5	21.5	0.000	69557	0.01000	0.0088		(a)
16 4,4'-DDD						CAS #: 72-54-8	
22.0	22.0	0.000	52227	0.01000	0.0082		(a)
18 4,4'-DDT						CAS #: 50-29-3	
22.8	22.8	0.000	57041	0.01000	0.0082		(a)
21 Methoxychlor						CAS #: 72-43-5	
24.6	24.6	0.000	146063	0.05000	0.043		(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	65539	0.01000	0.0097		(a)

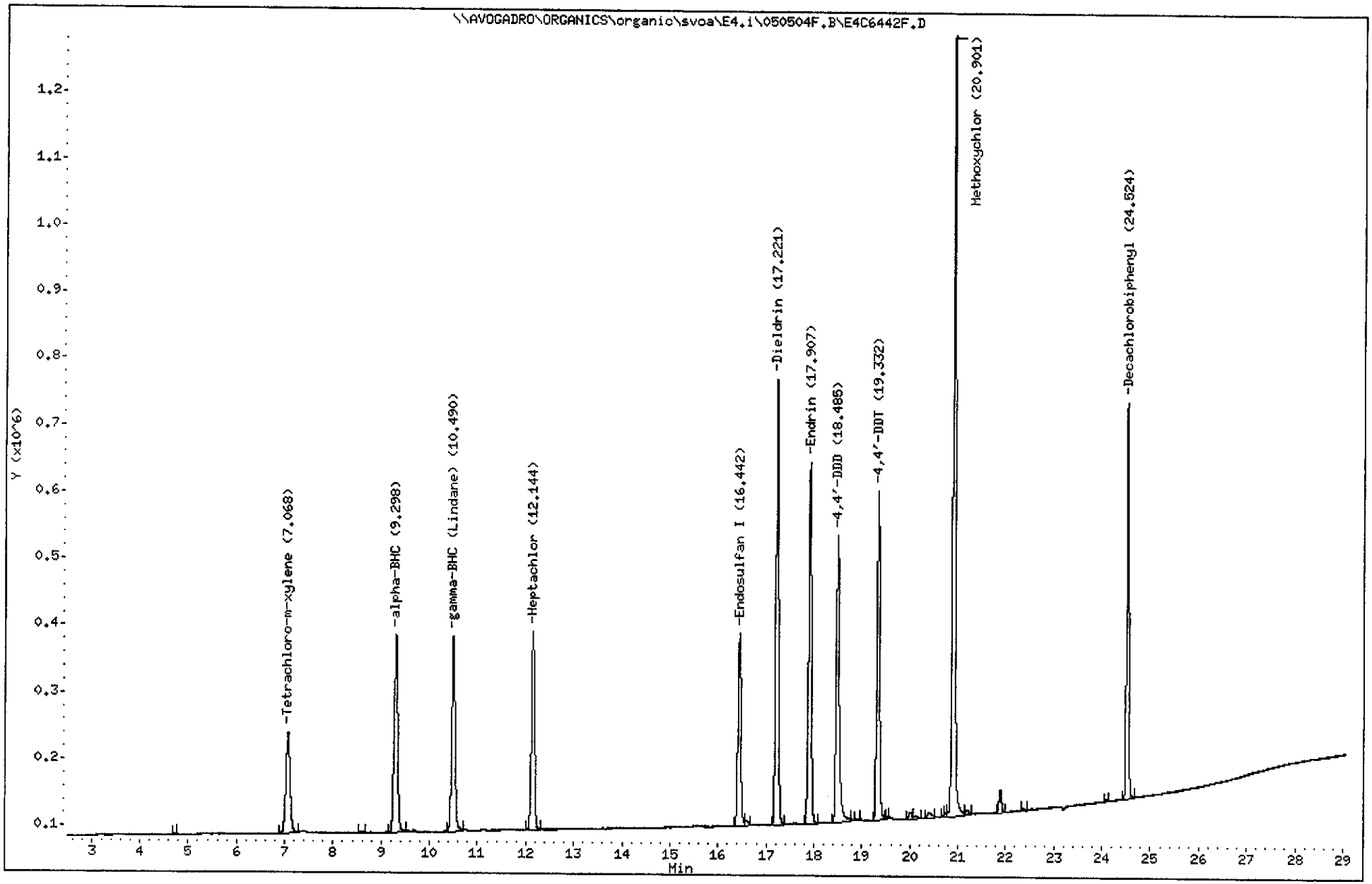
SE05100105

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6442F.D
Date : 04-MAY-2005 23:02
Client ID: INDAMC1
Sample Info: INDAMC1,INDAMC1,,inda.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

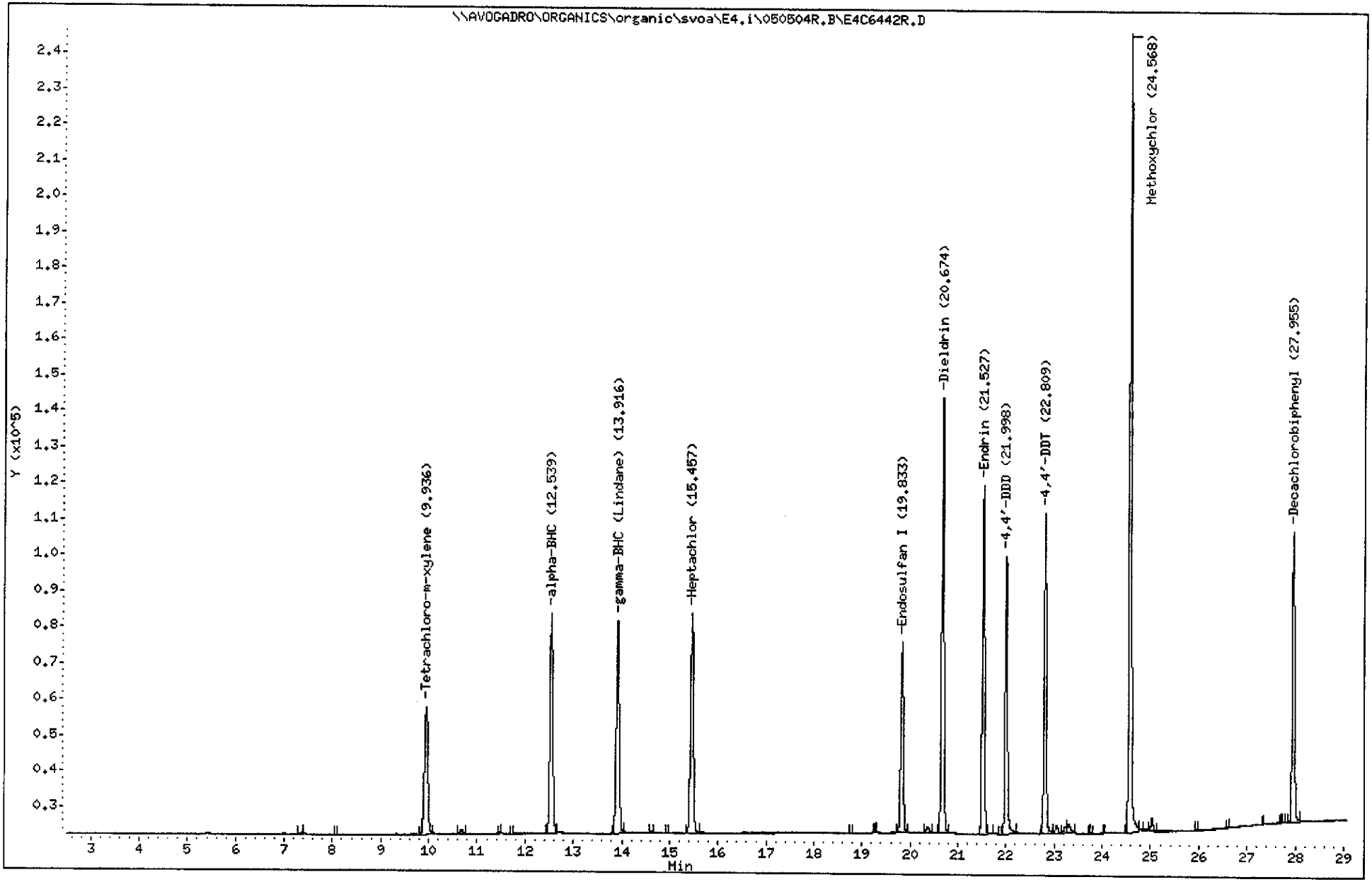
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0543

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6442R.D
Date : 04-MAY-2005 23:02
Client ID: INDAMC1
Sample Info: INDAMC1,INDAMC1,,inda.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



Data File: E4C6442F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6442F.D
Lab Smp Id: INDAMC1 Client Smp ID: INDAMC1
Inj Date : 04-MAY-2005 23:02
Operator : SRC: Inst ID: E4.i
Smp Info : INDAMC1,INDAMC1,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.07	7.07	0.000	930402	0.02000	0.020		(a)
3 alpha-BHC					CAS #: 319-84-6		
9.30	9.30	0.000	1504019	0.02000	0.020		(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	1396467	0.02000	0.020		(a)
5 Heptachlor					CAS #: 76-44-8		
12.1	12.1	0.000	1363926	0.02000	0.020		(a)

Data File: E4C6442F.D
Report Date: 05-May-2005 10:09

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
10 Endosulfan I						CAS #: 959-98-8		
16.4	16.4	0.000	1192738	0.02000	0.020			(a)
14 Dieldrin						CAS #: 60-57-1		
17.2	17.2	0.000	2653493	0.04000	0.040			(a)
15 Endrin						CAS #: 72-20-8		
17.9	17.9	0.000	2202341	0.04000	0.040			(a)
16 4,4'-DDD						CAS #: 72-54-8		
18.5	18.5	0.000	1967716	0.04000	0.040			(a)
18 4,4'-DDT						CAS #: 50-29-3		
19.3	19.3	0.000	1892432	0.04000	0.040			(a)
21 Methoxychlor						CAS #: 72-43-5		
20.9	20.9	0.000	4387200	0.20000	0.20			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
24.5	24.5	0.000	1850822	0.04000	0.040			(a)

5/6/05 05/05/05

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6442R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6442R.D
Lab Smp Id: INDAMC1 Client Smp ID: INDAMC1
Inj Date : 04-MAY-2005 23:02
Operator : SRC: Inst ID: E4.i
Smp Info : INDAMC1,INDAMC1,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	179936	0.02000	0.020		(a)
3 alpha-BHC					CAS #: 319-84-6		
12.5	12.5	0.000	250678	0.02000	0.020		(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
13.9	13.9	0.000	234486	0.02000	0.020		(a)
5 Heptachlor					CAS #: 76-44-8		
15.5	15.5	0.000	250851	0.02000	0.020		(a)

Data File: E4C6442R.D
Report Date: 05-May-2005 10:10

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
10 Endosulfan I						CAS #: 959-98-8		
19.8	19.8	0.000	197710	0.02000	0.020			(a)
14 Dieldrin						CAS #: 60-57-1		
20.7	20.7	0.000	411670	0.04000	0.040			(a)
15 Endrin						CAS #: 72-20-8		
21.5	21.5	0.000	315616	0.04000	0.040			(a)
16 4,4'-DDD						CAS #: 72-54-8		
22.0	22.0	0.000	255499	0.04000	0.040			(a)
18 4,4'-DDT						CAS #: 50-29-3		
22.8	22.8	0.000	279336	0.04000	0.040			(a)
21 Methoxychlor						CAS #: 72-43-5		
24.6	24.6	0.000	679771	0.20000	0.20			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
28.0	28.0	0.000	269272	0.04000	0.040			(a)

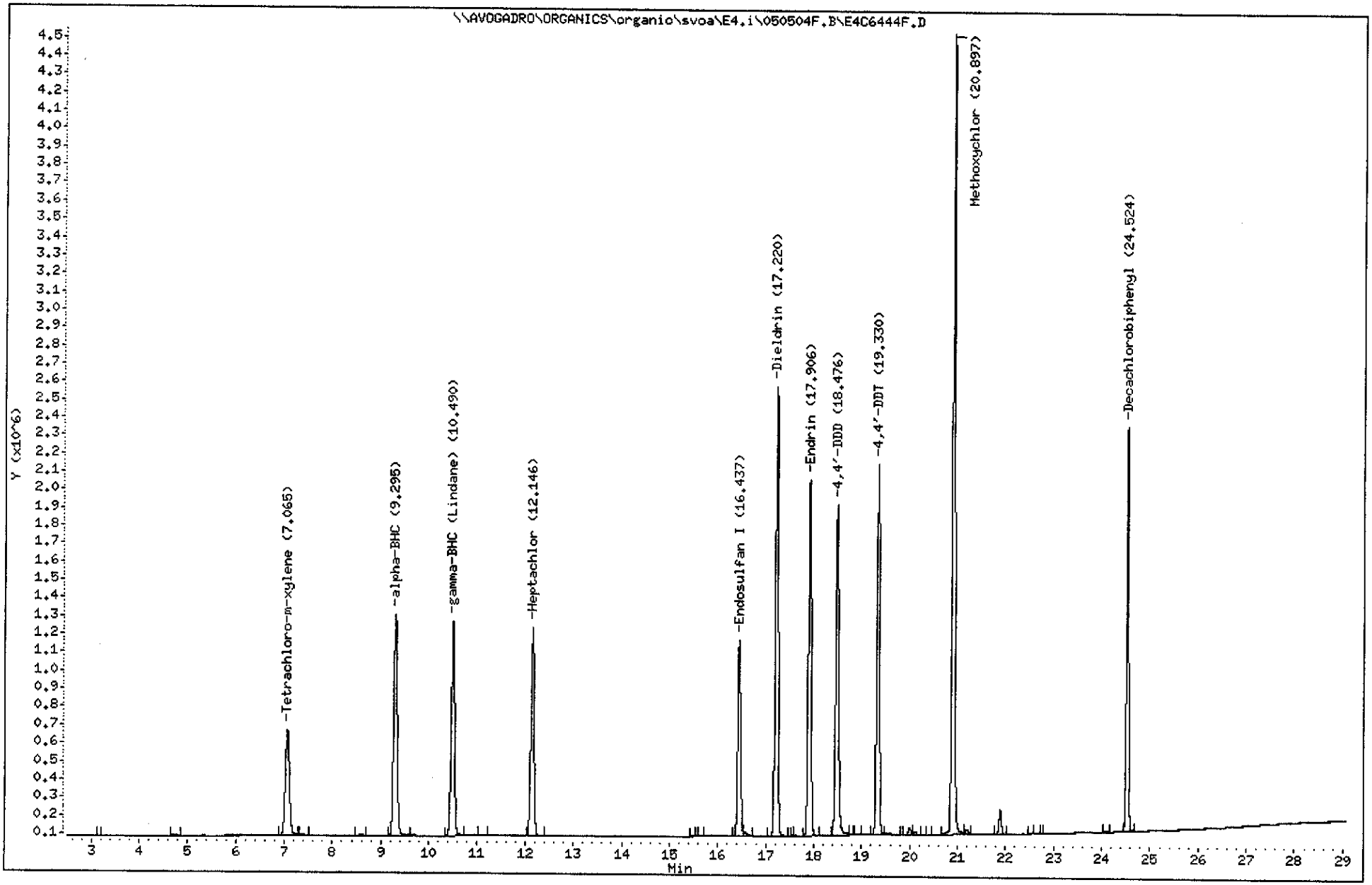
SZ05105105

QC Flag Legend

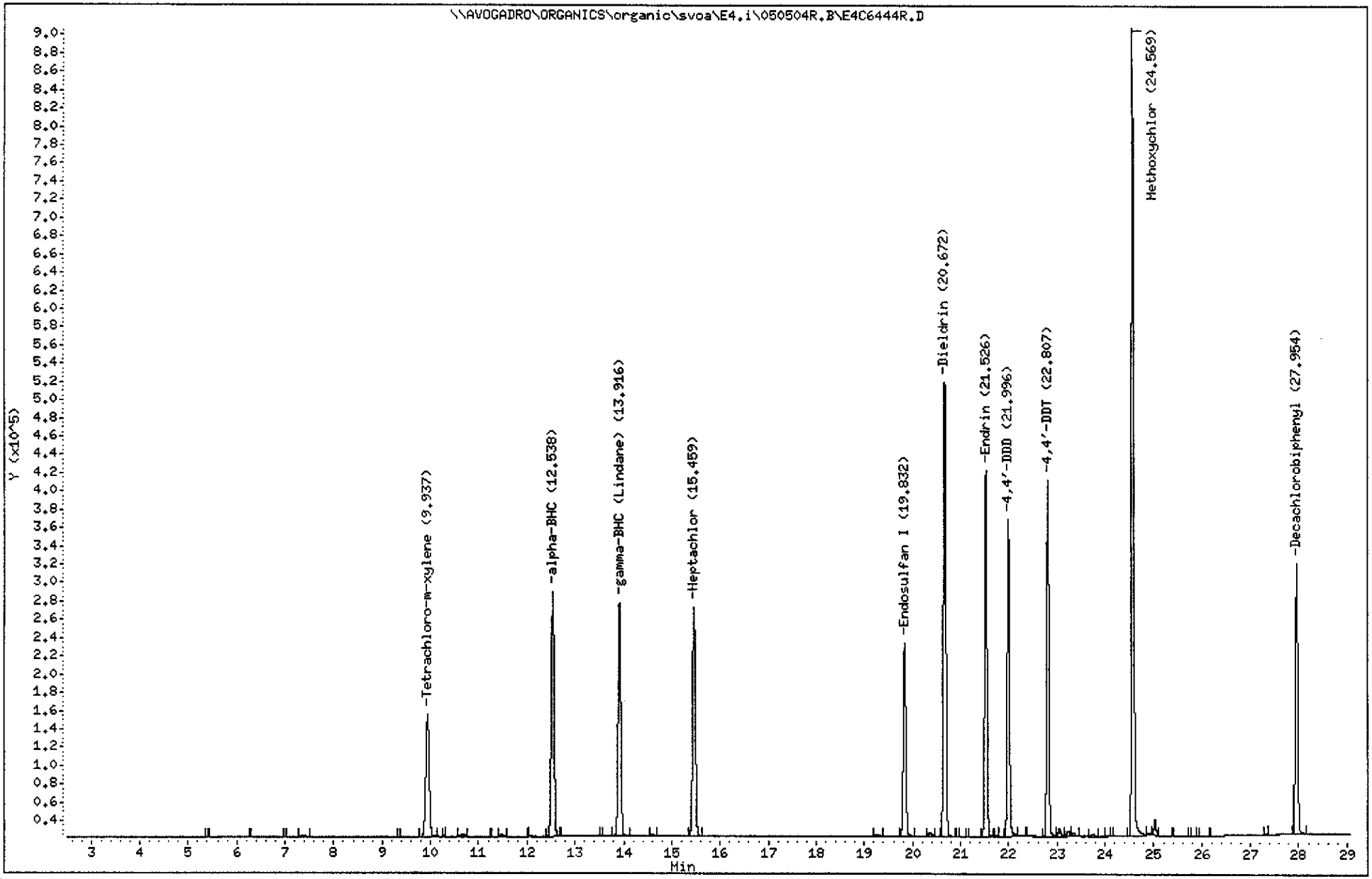
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6444F.D
Date : 05-MAY-2005 00:14
Client ID: INDAHC1
Sample Info: INDAHC1,INDAHC1,,inda,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6444R.D
Date : 05-MAY-2005 00:14
Client ID: INDAHC1
Instrument: E4.i
Sample Info: INDAHC1,INDAHC1,,inda.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0550

Data File: E4C6444F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6444F.D
Lab Smp Id: INDAHC1 Client Smp ID: INDAHC1
Inj Date : 05-MAY-2005 00:14
Operator : SRC: Inst ID: E4.i
Smp Info : INDAHC1,INDAHC1,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
RT	EXP RT	DLT RT	RESPONSE					
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.06	7.07	-0.010	3506759	0.08000	0.075			
3 alpha-BHC					CAS #: 319-84-6			
9.29	9.30	-0.010	6179433	0.08000	0.082			(A)
4 gamma-BHC (Lindane)					CAS #: 58-89-9			
10.5	10.5	0.000	5617996	0.08000	0.080			(A)
5 Heptachlor					CAS #: 76-44-8			
12.1	12.1	0.000	5322522	0.08000	0.078			

Data File: E4C6444F.D
Report Date: 05-May-2005 10:09

			AMOUNTS				
				CAL.-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
10 Endosulfan I						CAS #: 959-98-8	
16.4	16.4	0.000	4457535	0.08000	0.075		
14 Dieldrin						CAS #: 60-57-1	
17.2	17.2	0.000	9924799	0.16000	0.15		
15 Endrin						CAS #: 72-20-8	
17.9	17.9	0.000	8158517	0.16000	0.15		
16 4,4'-DDD						CAS #: 72-54-8	
18.5	18.5	0.000	7752090	0.16000	0.16		
18 4,4'-DDT						CAS #: 50-29-3	
19.3	19.3	0.000	7756356	0.16000	0.16		(A)
21 Methoxychlor						CAS #: 72-43-5	
20.9	20.9	0.000	15852821	0.80000	0.72		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	6803610	0.16000	0.15		(A)

5/2005/05/05

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: E4C6444R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6444R.D
Lab Smp Id: INDAHC1 Client Smp ID: INDAHC1
Inj Date : 05-MAY-2005 00:14
Operator : SRC: Inst ID: E4.i
Smp Info : INDAHC1,INDAHC1,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	661187	0.08000	0.073		
3 alpha-BHC					CAS #: 319-84-6		
12.5	12.5	0.000	1068983	0.08000	0.085		(A)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
13.9	13.9	0.000	983780	0.08000	0.084		(A)
5 Heptachlor					CAS #: 76-44-8		
15.5	15.5	0.000	1001040	0.08000	0.080		

Data File: E4C6444R.D
Report Date: 05-May-2005 10:10

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
10 Endosulfan I						CAS #: 959-98-8	
19.8	19.8	0.000	769328	0.08000	0.078		
14 Dieldrin						CAS #: 60-57-1	
20.7	20.7	0.000	1671601	0.16000	0.16		(A)
15 Endrin						CAS #: 72-20-8	
21.5	21.5	0.000	1302441	0.16000	0.17		(A)
16 4,4'-DDD						CAS #: 72-54-8	
22.0	22.0	0.000	1089562	0.16000	0.17		(A)
18 4,4'-DDT						CAS #: 50-29-3	
22.8	22.8	0.000	1170393	0.16000	0.17		(A)
21 Methoxychlor						CAS #: 72-43-5	
24.6	24.6	0.000	2657805	0.80000	0.78		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	969120	0.16000	0.14		(A)

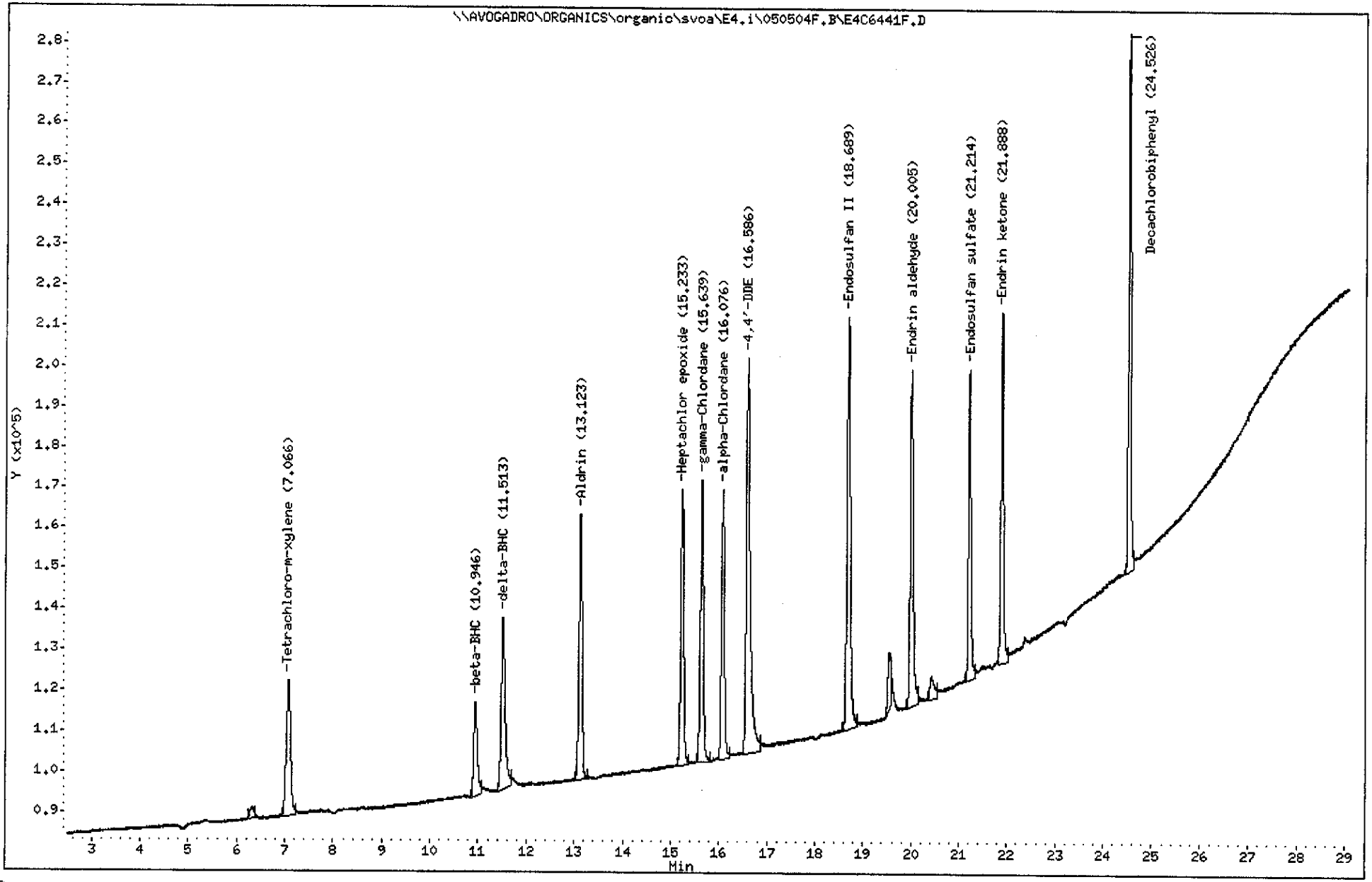
SZ 05/05/05

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6441F.D
Date : 04-MAY-2005 22:25
Client ID: INDBLC1
Sample Info: INDBLC1,INDBLC1,,indb,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53

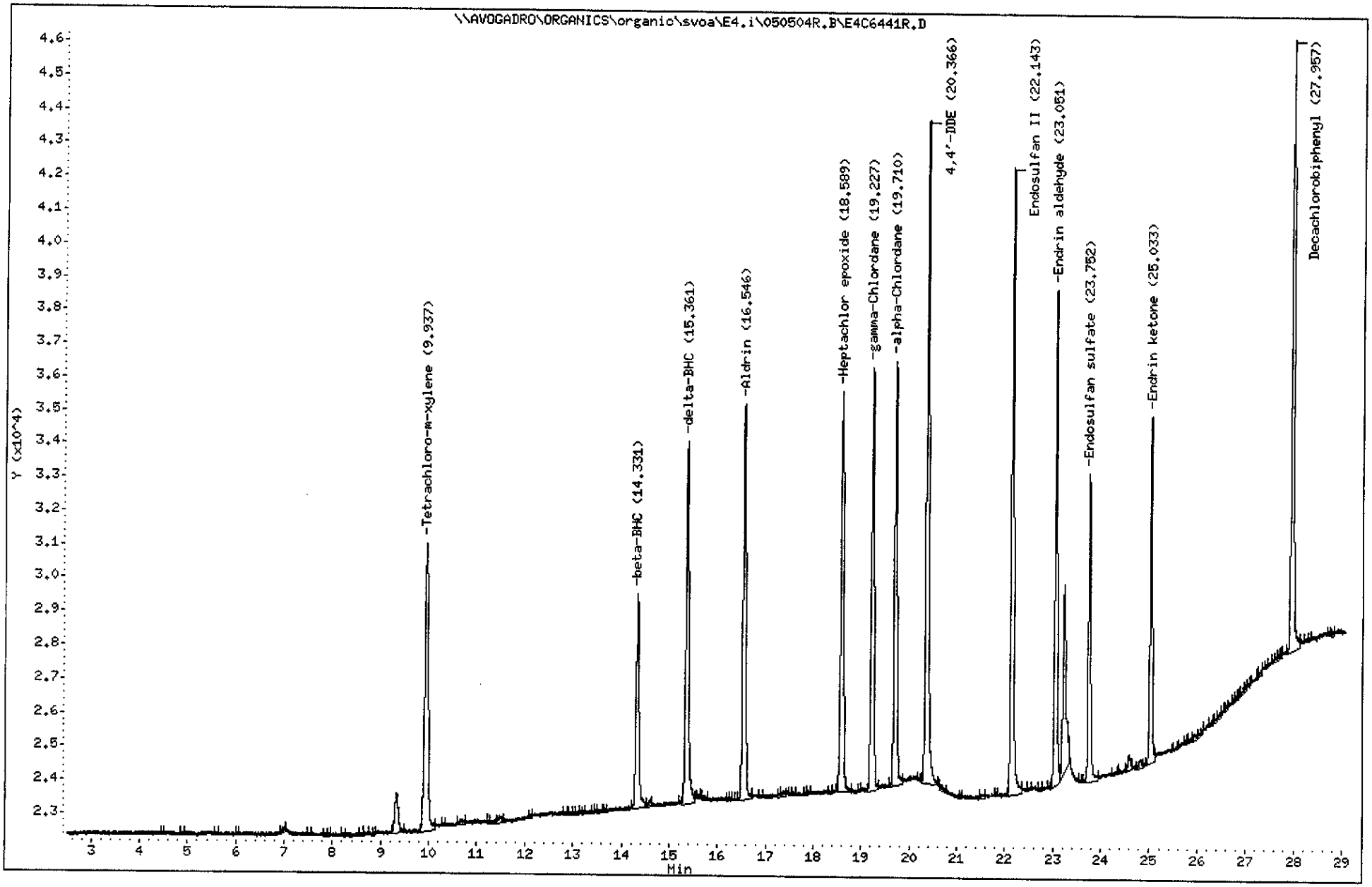


0555

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6441R.D
Date : 04-MAY-2005 22:25
Client ID: INDBLC1
Sample Info: INDBLC1,INDBLC1,,indb.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i

Operator: SRC:
Column diameter: 0.53



0556

Data File: E4C6441F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6441F.D
Lab Smp Id: INDBLC1 Client Smp ID: INDBLC1
Inj Date : 04-MAY-2005 22:25
Operator : SRC: Inst ID: E4.i
Smp Info : INDBLC1,INDBLC1,,indb.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.07	7.07	0.000	210622	0.00500	0.0045			(a)
6 Aldrin					CAS #: 309-00-2			
13.1	13.1	0.000	294485	0.00500	0.0047			(a)
7 beta-BHC					CAS #: 319-85-7			
10.9	10.9	0.000	123251	0.00500	0.0048			(a)
8 delta-BHC					CAS #: 319-86-8			
11.5	11.5	0.000	236030	0.00500	0.0041			(a)

Data File: E4C6441F.D
Report Date: 05-May-2005 10:09

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
9 Heptachlor epoxide					CAS #: 1024-57-3		
15.2	15.2	0.000	289450	0.00500	0.0048		(a)
11 gamma-Chlordane					CAS #: 5103-74-2		
15.6	15.6	0.000	298500	0.00500	0.0048		(a)
12 alpha-Chlordane					CAS #: 5103-71-9		
16.1	16.1	0.000	280074	0.00500	0.0049		(a)
13 4,4'-DDE					CAS #: 72-55-9		
16.6	16.6	0.000	549824	0.01000	0.0094		(a)
17 Endosulfan II					CAS #: 33213-65-9		
18.7	18.7	0.000	494744	0.01000	0.0096		(a)
19 Endrin aldehyde					CAS #: 7421-93-4		
20.0	20.0	0.000	353998	0.01000	0.0093		(a)
20 Endosulfan sulfate					CAS #: 1031-07-8		
21.2	21.2	0.000	290515	0.01000	0.0080		(a)
22 Endrin ketone					CAS #: 53494-70-5		
21.9	21.9	0.000	313321	0.01000	0.0087		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	432102	0.01000	0.0093		(a)

SZ 05/06/06

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6441R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6441R.D
Lab Smp Id: INDBLC1 Client Smp ID: INDBLC1
Inj Date : 04-MAY-2005 22:25
Operator : SRC: Inst ID: E4.i
Smp Info : INDBLC1,INDBLC1,,indb.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$	1 Tetrachloro-m-xylene					CAS #: 877-09-8		
	9.94	9.94	0.000	44215	0.00500	0.0049		(a)
	6 Aldrin					CAS #: 309-00-2		
	16.5	16.5	0.000	48746	0.00500	0.0049		(a)
	7 beta-BHC					CAS #: 319-85-7		
	14.3	14.3	0.000	27237	0.00500	0.0051		(a)
	8 delta-BHC					CAS #: 319-86-8		
	15.4	15.4	0.000	44607	0.00500	0.0045		(a)

Data File: E4C6441R.D
Report Date: 05-May-2005 10:10

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
9 Heptachlor epoxide						CAS #: 1024-57-3		
18.6	18.6	0.000	49096	0.00500	0.0050			(a)
11 gamma-Chlordane						CAS #: 5103-74-2		
19.2	19.2	0.000	49058	0.00500	0.0049			(a)
12 alpha-Chlordane						CAS #: 5103-71-9		
19.7	19.7	0.000	48711	0.00500	0.0051			(a)
13 4,4'-DDE						CAS #: 72-55-9		
20.4	20.4	0.000	75906	0.01000	0.0088			(a)
17 Endosulfan II						CAS #: 33213-65-9		
22.1	22.1	0.000	69043	0.01000	0.0095			(a)
19 Endrin aldehyde						CAS #: 7421-93-4		
23.1	23.0	0.100	49805	0.01000	0.0093			(a)
20 Endosulfan sulfate						CAS #: 1031-07-8		
23.8	23.7	0.100	30911	0.01000	0.0070			(a)
22 Endrin ketone						CAS #: 53494-70-5		
25.0	25.0	0.000	32272	0.01000	0.0078			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
28.0	28.0	0.000	63433	0.01000	0.0094			(a)

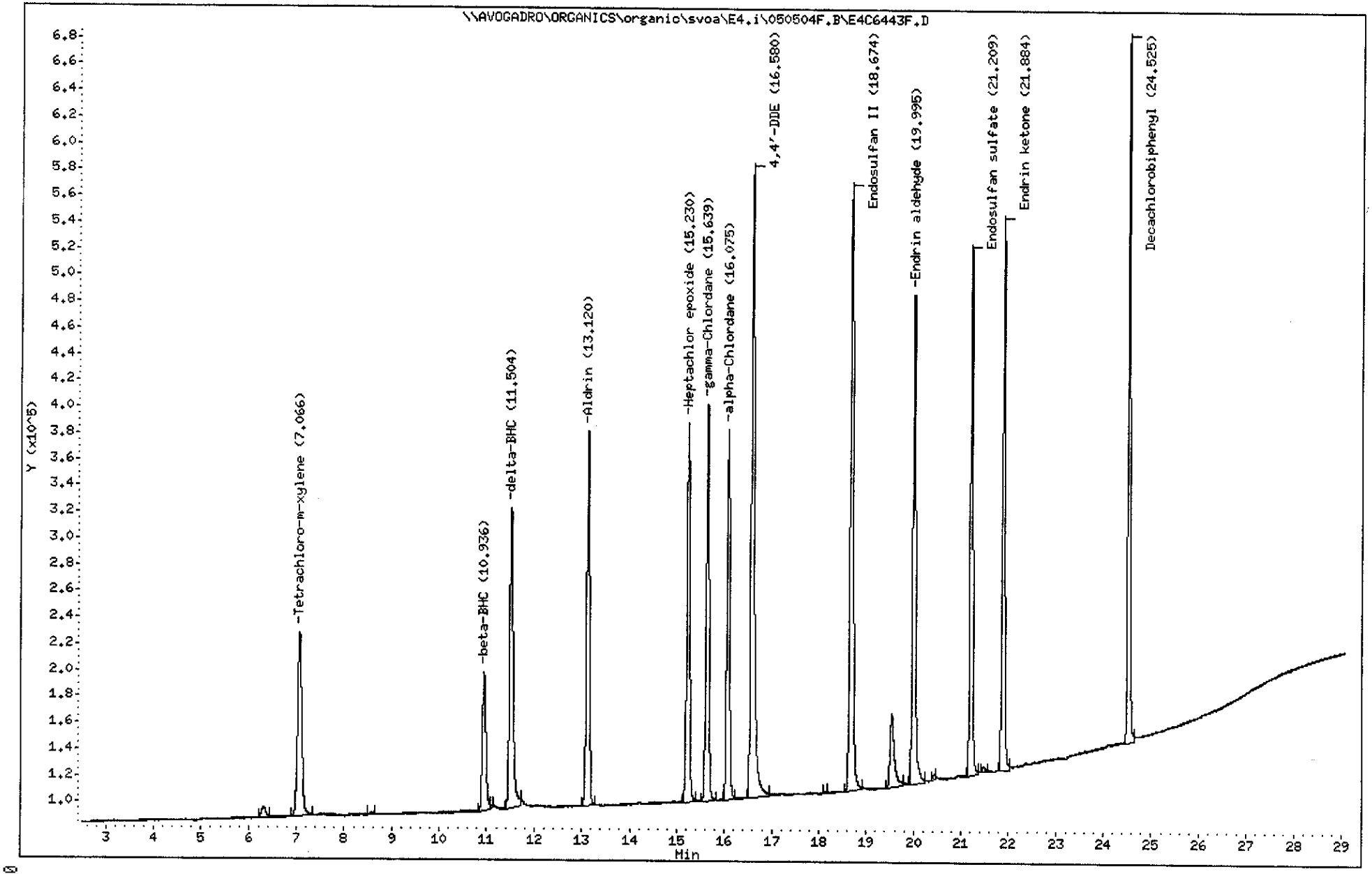
SZ 05/05/05

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6443F.D
Date : 04-MAY-2005 23:38
Client ID: INDBMC1
Sample Info: INDBMC1,INDBMC1,,indb.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

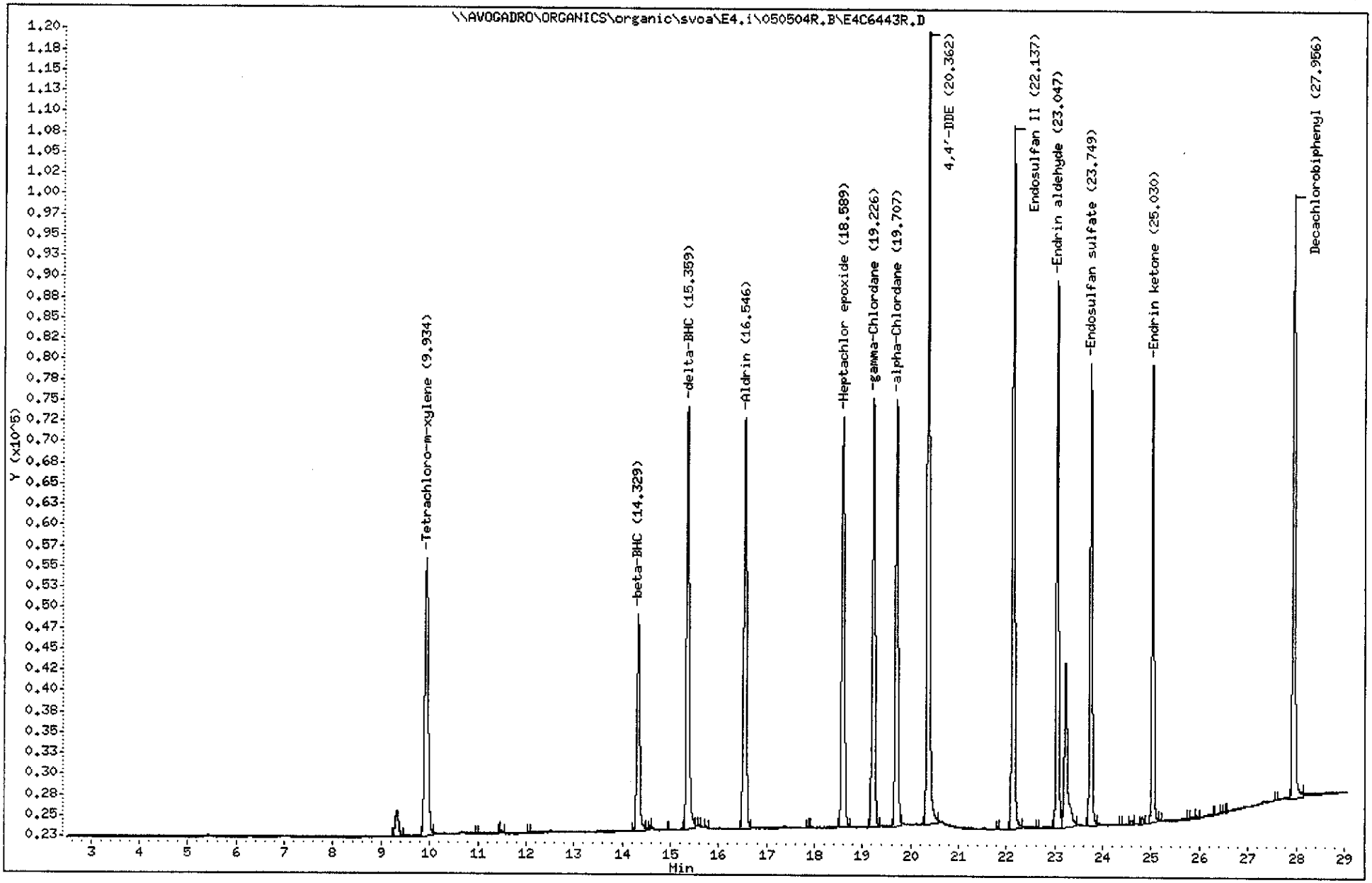
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0561

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6443R.D
Date : 04-MAY-2005 23:38
Client ID: INDBMC1
Sample Info: INDBMC1,INDBMC1,,indb,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0562

Data File: E4C6443F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6443F.D
Lab Smp Id: INDBMC1 Client Smp ID: INDBMC1
Inj Date : 04-MAY-2005 23:38
Operator : SRC: Inst ID: E4.i
Smp Info : INDBMC1,INDBMC1,,indb.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
RT	EXP RT	DLT RT	RESPONSE					
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
7.07	7.07	0.000	872988	0.02000	0.019			(a)
6 Aldrin						CAS #: 309-00-2		
13.1	13.1	0.000	1250779	0.02000	0.020			(a)
7 beta-BHC						CAS #: 319-85-7		
10.9	10.9	0.000	517204	0.02000	0.020			(a)
8 delta-BHC						CAS #: 319-86-8		
11.5	11.5	0.000	1160800	0.02000	0.020			(a)

Data File: E4C6443F.D
Report Date: 05-May-2005 10:09

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
9 Heptachlor epoxide						CAS #: 1024-57-3	
15.2	15.2	0.000	1194580	0.02000	0.020		(a)
11 gamma-Chlordane						CAS #: 5103-74-2	
15.6	15.6	0.000	1252135	0.02000	0.020		(a)
12 alpha-Chlordane						CAS #: 5103-71-9	
16.1	16.1	0.000	1151321	0.02000	0.020		(a)
13 4,4'-DDE						CAS #: 72-55-9	
16.6	16.6	0.000	2343905	0.04000	0.040		(a)
17 Endosulfan II						CAS #: 33213-65-9	
18.7	18.7	0.000	2071860	0.04000	0.040		(a)
19 Endrin aldehyde						CAS #: 7421-93-4	
20.0	20.0	0.000	1525640	0.04000	0.040		(a)
20 Endosulfan sulfate						CAS #: 1031-07-8	
21.2	21.2	0.000	1445280	0.04000	0.040		(a)
22 Endrin ketone						CAS #: 53494-70-5	
21.9	21.9	0.000	1445743	0.04000	0.040		(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	1705036	0.04000	0.037		(a)

SZ 05/05/06

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6443R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6443R.D
Lab Smp Id: INDBMC1 Client Smp ID: INDBMC1
Inj Date : 04-MAY-2005 23:38
Operator : SRC: Inst ID: E4.i
Smp Info : INDBMC1,INDBMC1,,indb.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
9.93	9.94	-0.010	167393	0.02000	0.019			(a)
6 Aldrin					CAS #: 309-00-2			
16.5	16.5	0.000	198382	0.02000	0.020			(a)
7 beta-BHC					CAS #: 319-85-7			
14.3	14.3	0.000	106159	0.02000	0.020			(a)
8 delta-BHC					CAS #: 319-86-8			
15.4	15.4	0.000	198094	0.02000	0.020			(a)

Data File: E4C6443R.D
Report Date: 05-May-2005 10:10

			AMOUNTS			
				CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	============	=====
9 Heptachlor epoxide					CAS #: 1024-57-3		
18.6	18.6	0.000	196635	0.02000	0.020		(a)
11 gamma-Chlordane					CAS #: 5103-74-2		
19.2	19.2	0.000	199000	0.02000	0.020		(a)
12 alpha-Chlordane					CAS #: 5103-71-9		
19.7	19.7	0.000	190587	0.02000	0.020		(a)
13 4,4'-DDE					CAS #: 72-55-9		
20.4	20.4	0.000	346377	0.04000	0.040		(a)
17 Endosulfan II					CAS #: 33213-65-9		
22.1	22.1	0.000	291035	0.04000	0.040		(a)
19 Endrin aldehyde					CAS #: 7421-93-4		
23.0	23.0	0.000	213818	0.04000	0.040		(a)
20 Endosulfan sulfate					CAS #: 1031-07-8		
23.7	23.7	0.000	176294	0.04000	0.040		(a)
22 Endrin ketone					CAS #: 53494-70-5		
25.0	25.0	0.000	166030	0.04000	0.040		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	248531	0.04000	0.037		(a)

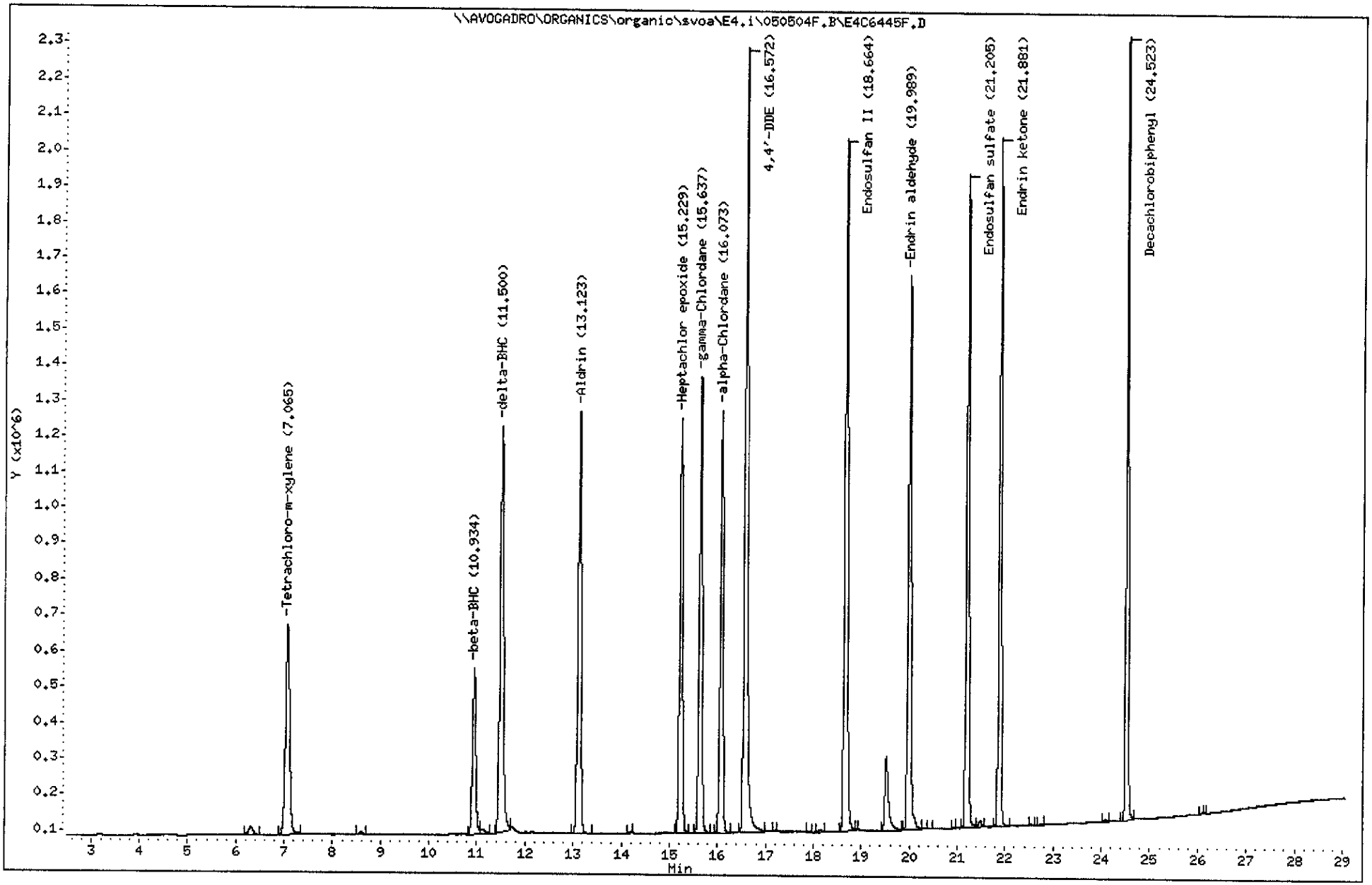
SZ05/00/05

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6445F.D
Date : 05-MAY-2005 00:50
Client ID: INDBHC1
Sample Info: INDBHC1,INDBHC1,,indb.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

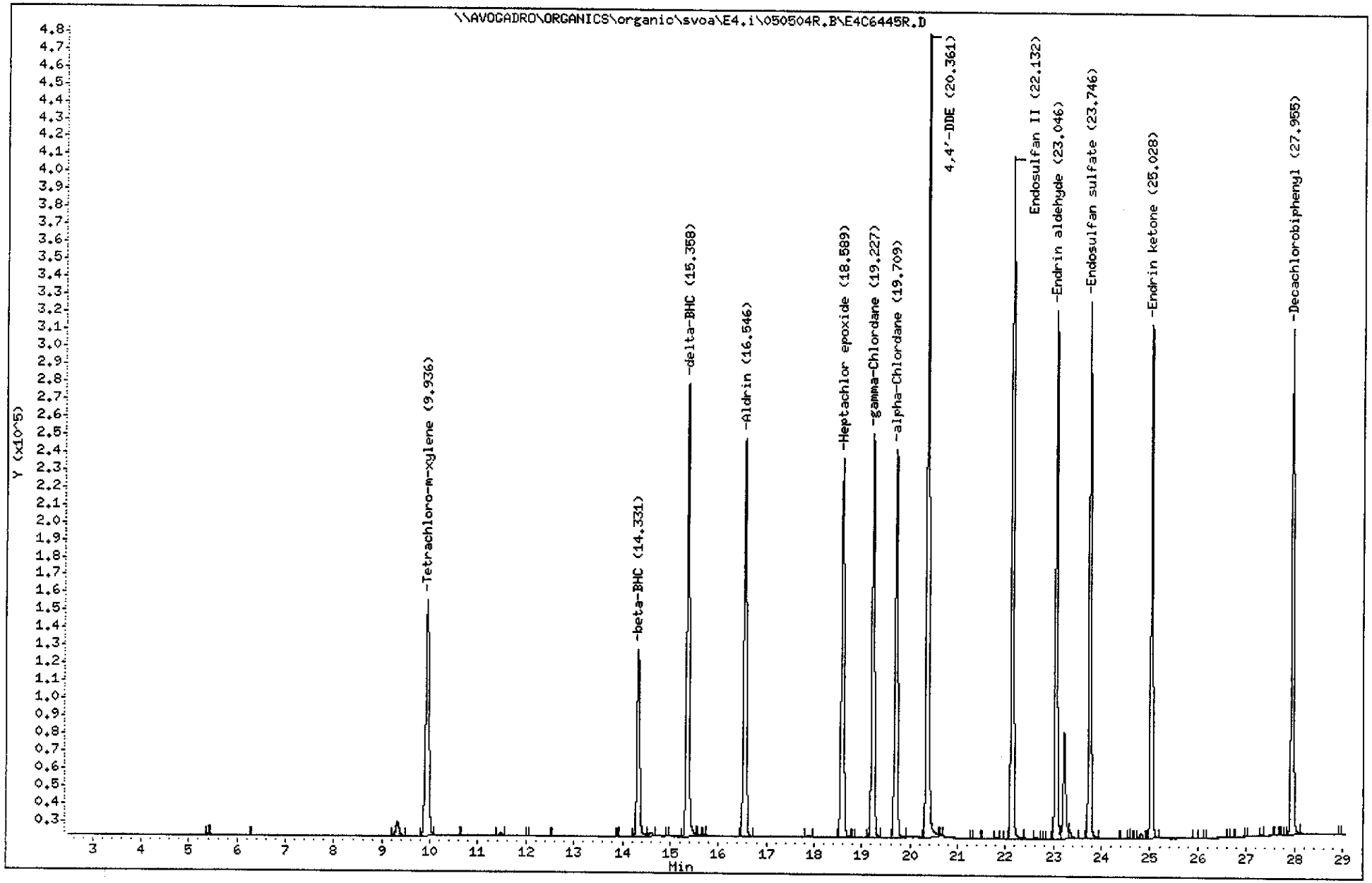
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0567

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6445R.D
Date : 05-MAY-2005 00:50
Client ID: INDBHC1
Sample Info: INDBHC1,INDBHC1,,indb.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0568

Data File: E4C6445F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6445F.D
Lab Smp Id: INDBHC1 Client Smp ID: INDBHC1
Inj Date : 05-MAY-2005 00:50
Operator : SRC: Inst ID: E4.i
Smp Info : INDBHC1,INDBHC1,,indb.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.07	-0.010	3524311	0.08000	0.076		
6 Aldrin					CAS #: 309-00-2		
13.1	13.1	0.000	5268753	0.08000	0.084		(A)
7 beta-BHC					CAS #: 319-85-7		
10.9	10.9	0.000	2181848	0.08000	0.084		(A)
8 delta-BHC					CAS #: 319-86-8		
11.5	11.5	0.000	5380158	0.08000	0.093		(A)

Data File: E4C6445F.D
Report Date: 05-May-2005 10:09

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
9 Heptachlor epoxide					CAS #: 1024-57-3		
15.2	15.2	0.000	4820173	0.08000	0.081		(A)
11 gamma-Chlordane					CAS #: 5103-74-2		
15.6	15.6	0.000	5235354	0.08000	0.084		(A)
12 alpha-Chlordane					CAS #: 5103-71-9		
16.1	16.1	0.000	4777239	0.08000	0.083		(A)
13 4,4'-DDE					CAS #: 72-55-9		
16.6	16.6	0.000	9644089	0.16000	0.16		(A)
17 Endosulfan II					CAS #: 33213-65-9		
18.7	18.7	0.000	8220887	0.16000	0.16		
19 Endrin aldehyde					CAS #: 7421-93-4		
20.0	20.0	0.000	6079391	0.16000	0.16		
20 Endosulfan sulfate					CAS #: 1031-07-8		
21.2	21.2	0.000	6442476	0.16000	0.18		(A)
22 Endrin ketone					CAS #: 53494-70-5		
21.9	21.9	0.000	6449784	0.16000	0.18		(A)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	6740464	0.16000	0.15		(A)

SZ 05/05/05

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: E4C6445R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6445R.D
Lab Smp Id: INDBHC1 Client Smp ID: INDBHC1
Inj Date : 05-MAY-2005 00:50
Operator : SRC: Inst ID: E4.i
Smp Info : INDBHC1,INDBHC1,,indb.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	653858	0.08000	0.073		
6 Aldrin					CAS #: 309-00-2		
16.5	16.5	0.000	878036	0.08000	0.089		(A)
7 beta-BHC					CAS #: 319-85-7		
14.3	14.3	0.000	419158	0.08000	0.079		
8 delta-BHC					CAS #: 319-86-8		
15.4	15.4	0.000	948611	0.08000	0.096		(A)

Data File: E4C6445R.D
Report Date: 05-May-2005 10:10

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
9 Heptachlor epoxide					CAS #: 1024-57-3			
18.6	18.6	0.000	831327	0.08000	0.085			(A)
11 gamma-Chlordane					CAS #: 5103-74-2			
19.2	19.2	0.000	847971	0.08000	0.085			(A)
12 alpha-Chlordane					CAS #: 5103-71-9			
19.7	19.7	0.000	804986	0.08000	0.084			(A)
13 4,4'-DDE					CAS #: 72-55-9			
20.4	20.4	0.000	1580565	0.16000	0.18			(A)
17 Endosulfan II					CAS #: 33213-65-9			
22.1	22.1	0.000	1263838	0.16000	0.17			(A)
19 Endrin aldehyde					CAS #: 7421-93-4			
23.0	23.0	0.000	918980	0.16000	0.17			(A)
20 Endosulfan sulfate					CAS #: 1031-07-8			
23.7	23.7	0.000	914349	0.16000	0.21			(A)
22 Endrin ketone					CAS #: 53494-70-5			
25.0	25.0	0.000	857564	0.16000	0.21			(A)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
28.0	28.0	0.000	949108	0.16000	0.14			(A)

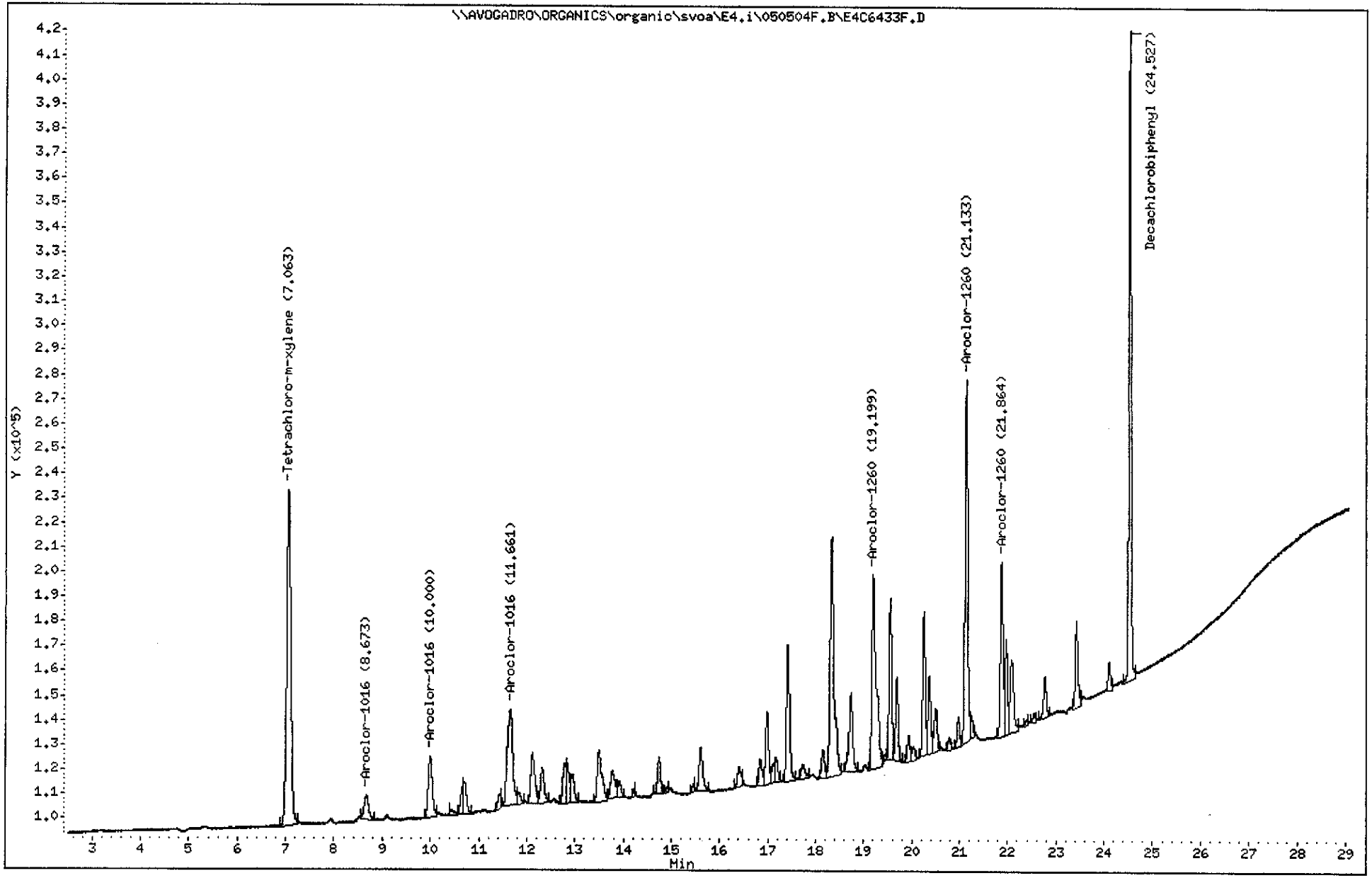
5/20/05/05

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

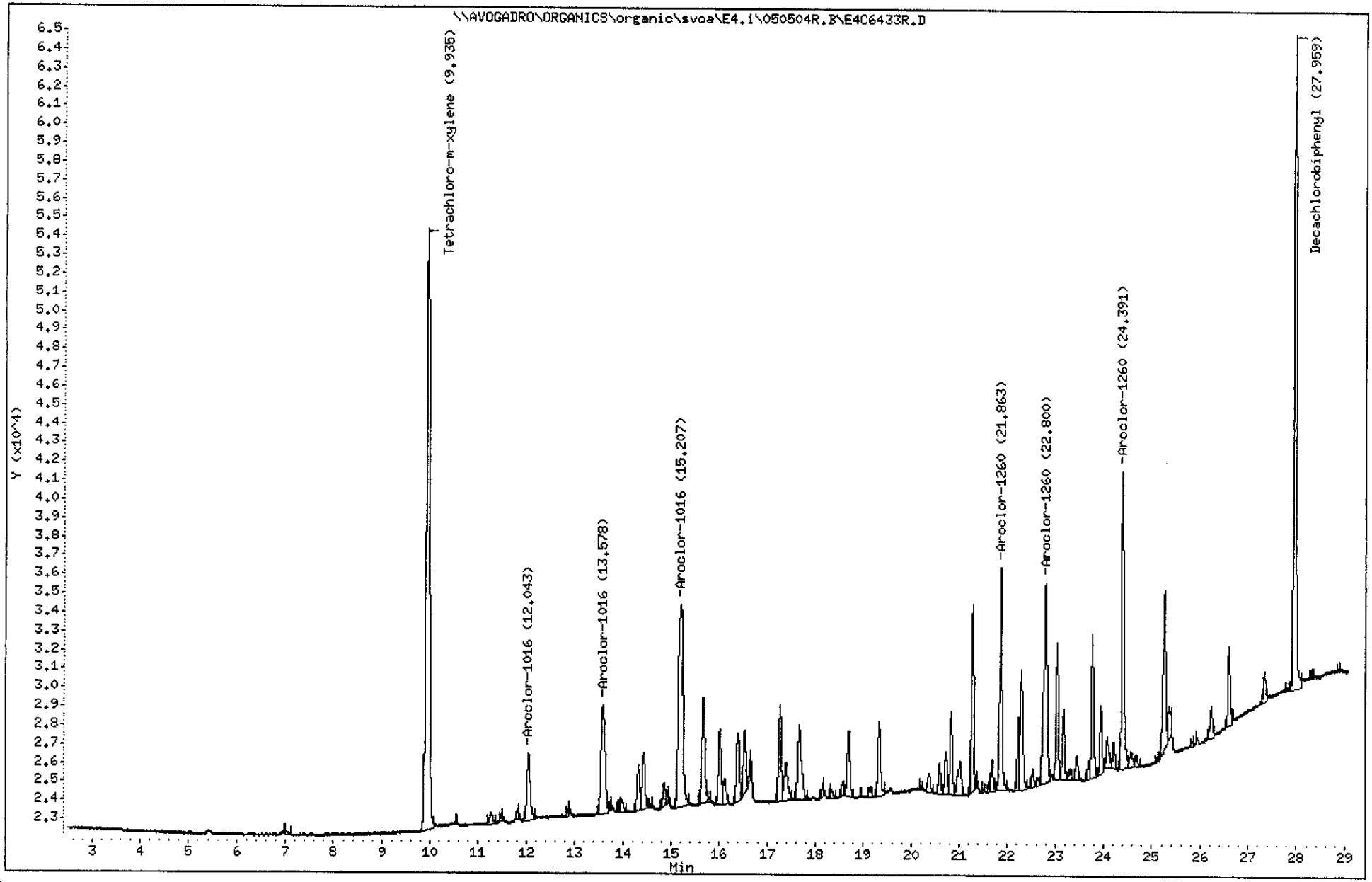
Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6433F.D
Date : 04-MAY-2005 17:36
Client ID: AR1660C1
Sample Info: AR1660C1,AR1660C1,,ar1660.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0573

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6433R.D
Date : 04-MAY-2005 17:36
Client ID: AR1660C1
Instrument: E4.i
Sample Info: AR1660C1,AR1660C1,,ar1660.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0574

Data File: E4C6433F.D
Report Date: 05-May-2005 10:08

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6433F.D
Lab Smp Id: AR1660C1 Client Smp ID: AR1660C1
Inj Date : 04-MAY-2005 17:36
Operator : SRC: Inst ID: E4.i
Smp Info : AR1660C1,AR1660C1,,ar1660.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 04-MAY-2005 22:25 Cal File: E4C6441F.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1660.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.07	-0.010	829486	0.00500	0.018		(a)
23 Aroclor-1016					CAS #: 12674-11-2		
8.67	8.67	0.000	65750	0.10000	0.10	80.00- 120.00	100.00(a)
10.0	10.0	0.000	149165	0.10000	0.10	206.87- 246.87	226.87
11.7	11.7	0.000	309350	0.10000	0.10	450.49- 490.49	470.49
Average of Peak Amounts =					0.1		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	839395	0.01000	0.018		(a)

Data File: E4C6433F.D
Report Date: 05-May-2005 10:08

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
29 Aroclor-1260					CAS #: 11096-82-5		
19.2	19.2	0.000	486312	0.10000	0.10	80.00- 120.00	100.00(a)
21.1	21.1	0.000	575890	0.10000	0.10	98.42- 138.42	118.42
21.9	21.9	0.000	274290	0.10000	0.10	36.40- 76.40	56.40
		Average of Peak Amounts =			0.1		

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SZ 05/05/05

Data File: E4C6433R.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6433R.D
Lab Smp Id: AR1660C1 Client Smp ID: AR1660C1
Inj Date : 04-MAY-2005 17:36
Operator : SRC: Inst ID: E4.i
Smp Info : AR1660C1,AR1660C1,,ar1660.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1660.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	161829	0.00500	0.018		(a)
23 Aroclor-1016					CAS #: 12674-11-2		
12.0	12.0	0.000	17141	0.10000	0.10	80.00- 120.00	100.00(a)
13.6	13.6	0.000	33663	0.10000	0.10	176.39- 216.39	196.39
15.2	15.2	0.000	69101	0.10000	0.10	383.13- 423.13	403.13
Average of Peak Amounts =					0.1		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	120493	0.01000	0.018		(a)

Data File: E4C6433R.D
Report Date: 05-May-2005 10:09

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
29 Aroclor-1260					CAS #: 11096-82-5		
21.9	21.9	0.000	40126	0.10000	0.10	80.00- 120.00	100.00(a)
22.8	22.8	0.000	52684	0.10000	0.10	111.30- 151.30	131.30
24.4	24.4	0.000	52881	0.10000	0.10	111.79- 151.79	131.79
		Average of Peak Amounts =			0.1		

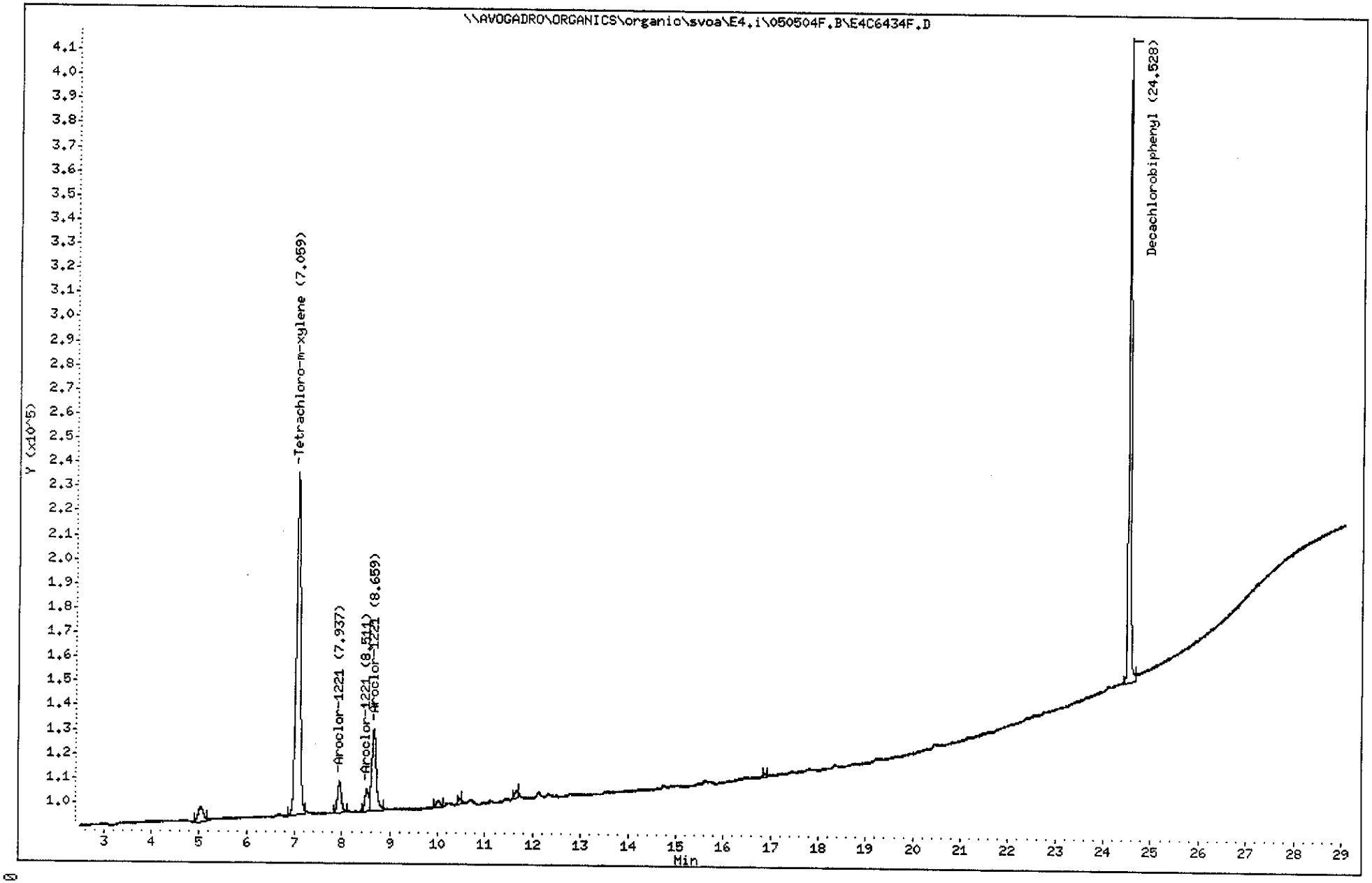
SZ 05/05/05

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6434F.D
Date : 04-MAY-2005 18:12
Client ID: AR1221C1
Sample Info: AR1221C1,AR1221C1,,ar1221.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

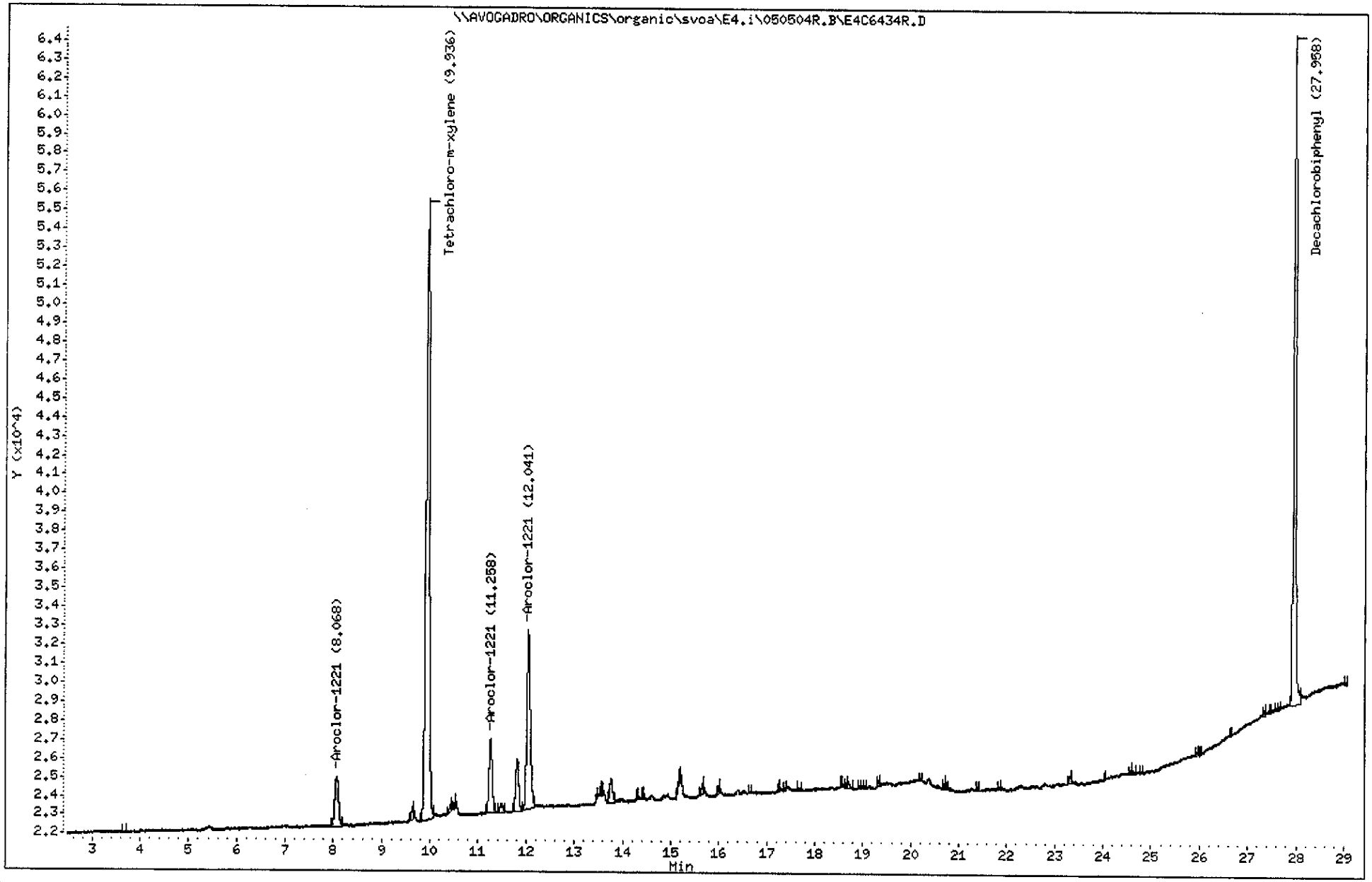
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0579

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6434R.D
Date : 04-MAY-2005 18:12
Client ID: AR1221C1
Sample Info: AR1221C1,AR1221C1,,ar1221.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0580

Data File: E4C6434F.D
Report Date: 05-May-2005 10:08

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6434F.D
Lab Smp Id: AR1221C1 Client Smp ID: AR1221C1
Inj Date : 04-MAY-2005 18:12
Operator : SRC: Inst ID: E4.i
Smp Info : AR1221C1,AR1221C1,,ar1221.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 04-MAY-2005 22:25 Cal File: E4C6441F.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1221.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.07	-0.010	862807	0.00500	0.019		(a)
24 Aroclor-1221					CAS #: 11104-28-2		
7.94	7.94	0.000	76301	0.20000	0.20	80.00- 120.00	100.00(a)
8.51	8.51	0.000	49934	0.20000	0.20	45.44- 85.44	65.44
8.66	8.66	0.000	222682	0.20000	0.20	271.85- 311.85	291.85
Average of Peak Amounts =					0.2		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	854092	0.01000	0.018		(a)

SZ 05/05/05

Data File: E4C6434F.D
Report Date: 05-May-2005 10:08

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6434R.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6434R.D
Lab Smp Id: AR1221C1 Client Smp ID: AR1221C1
Inj Date : 04-MAY-2005 18:12
Operator : SRC: Inst ID: E4.i
Smp Info : AR1221C1,AR1221C1,,ar1221.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1221.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
9.94	9.94	0.000	164163	0.00500	0.018			(a)
24 Aroclor-1221					CAS #: 11104-28-2			
8.07	8.07	0.000	14532	0.20000	0.20	80.00- 120.00	100.00	(a)
11.3	11.3	0.000	18219	0.20000	0.20	105.37- 145.37	125.37	
12.0	12.0	0.000	47319	0.20000	0.20	305.62- 345.62	325.62	
Average of Peak Amounts =					0.2			
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
28.0	28.0	0.000	122265	0.01000	0.018			(a)

SZ 05/05/05

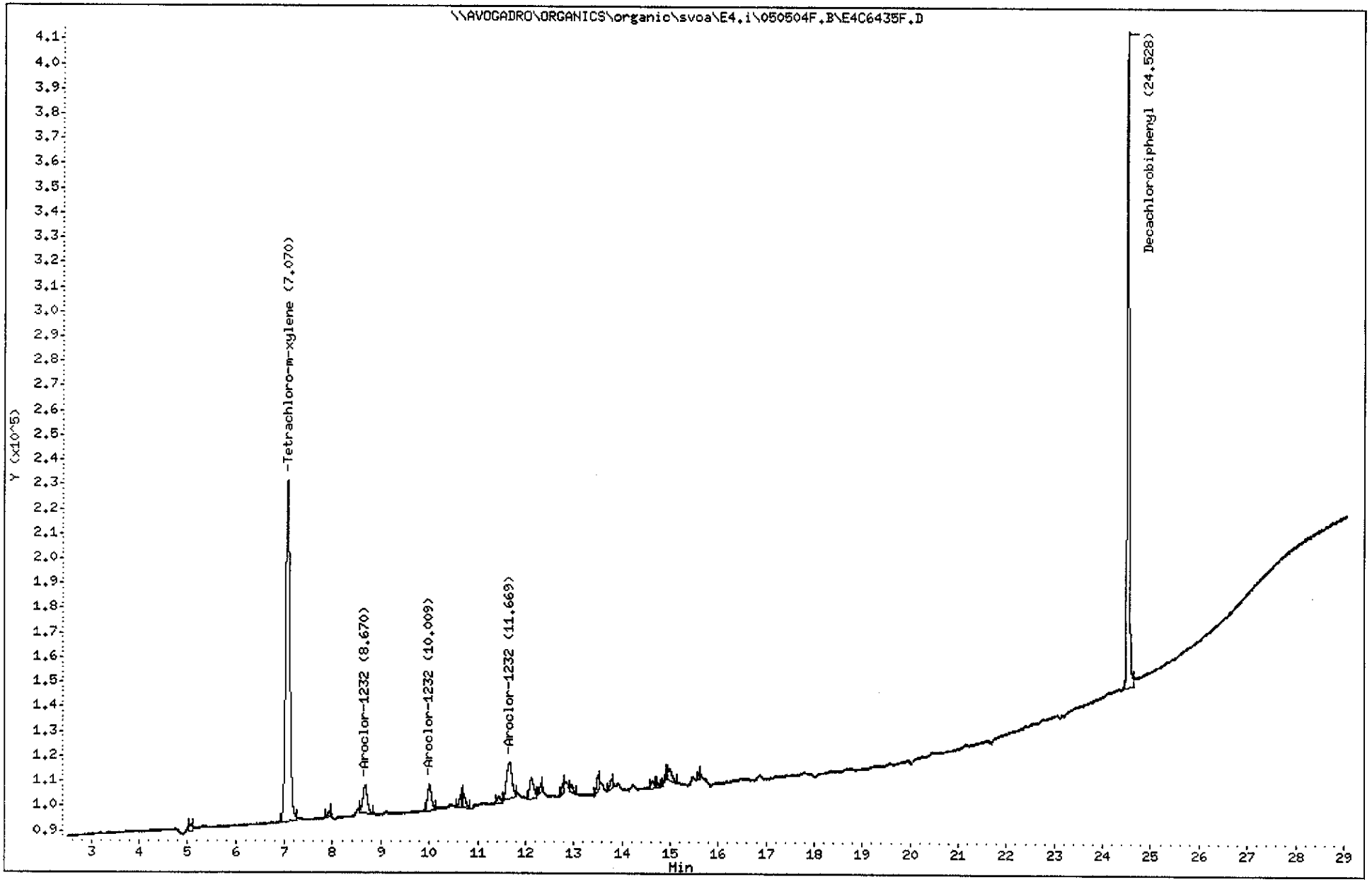
Data File: E4C6434R.D
Report Date: 05-May-2005 10:09

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6435F.D
Date : 04-MAY-2005 18:48
Client ID: AR1232C1
Sample Info: AR1232C1,AR1232C1,,ar1232.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

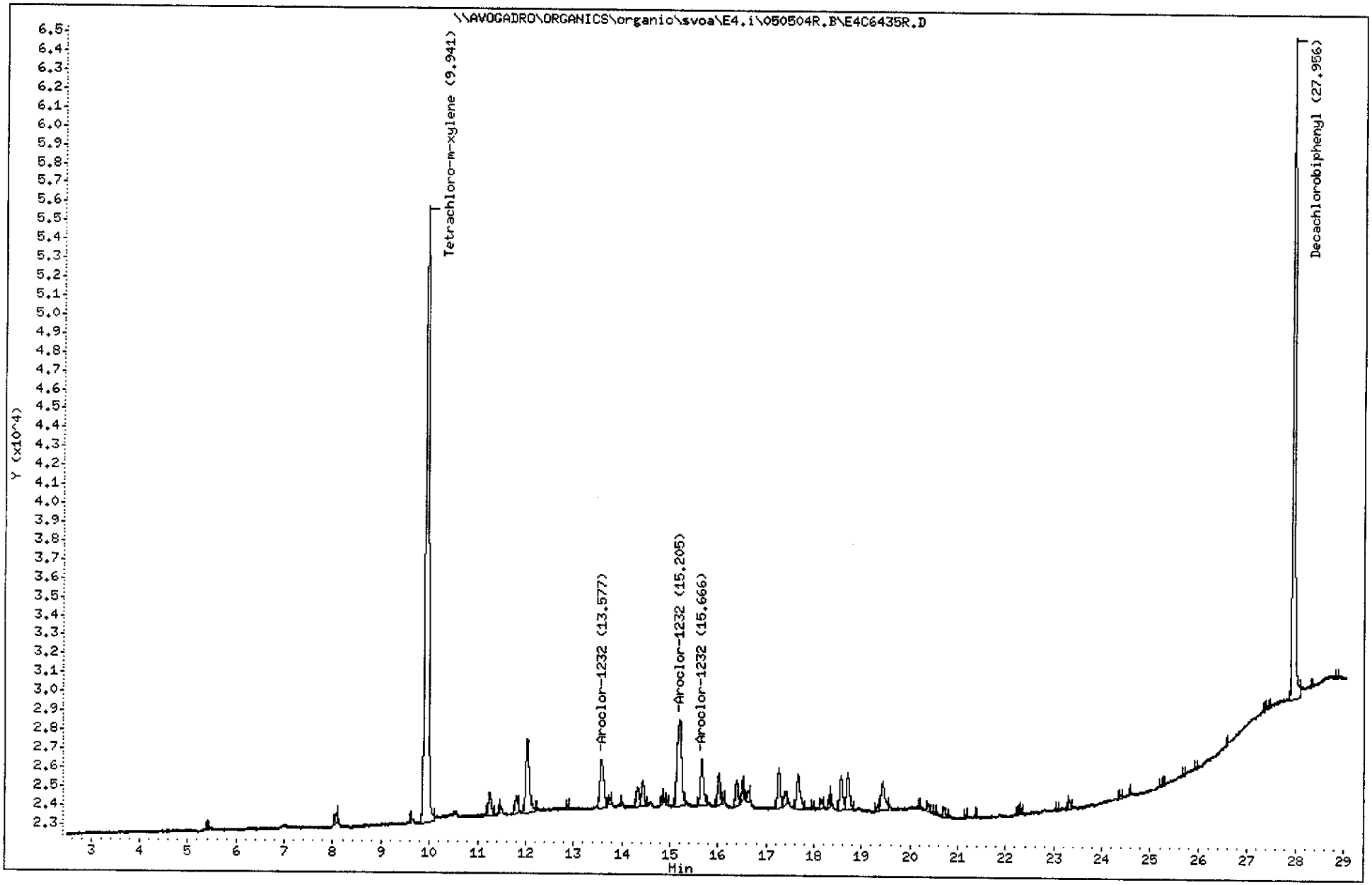
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0585

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6435R.D
Date : 04-MAY-2005 18:48
Client ID: AR1232C1
Sample Info: AR1232C1,AR1232C1,,ar1232.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0586

Data File: E4C6435F.D
Report Date: 05-May-2005 10:08

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6435F.D
Lab Smp Id: AR1232C1 Client Smp ID: AR1232C1
Inj Date : 04-MAY-2005 18:48
Operator : SRC: Inst ID: E4.i
Smp Info : AR1232C1,AR1232C1,,ar1232.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 04-MAY-2005 22:25 Cal File: E4C6441F.D
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1232.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.07	7.07	0.000	848946	0.00500	0.018		(a)
25 Aroclor-1232					CAS #: 11141-16-5		
8.67	8.67	0.000	73257	0.10000	0.10	80.00- 120.00	100.00(a)
10.0	10.0	0.000	66124	0.10000	0.10	70.26- 110.26	90.26
11.7	11.7	0.000	118109	0.10000	0.10	141.23- 181.23	161.23
		Average of Peak Amounts =			0.1		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	850467	0.01000	0.018		(a)

SZ 05/07/05

Data File: E4C6435F.D
Report Date: 05-May-2005 10:08

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6435R.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6435R.D
Lab Smp Id: AR1232C1 Client Smp ID: AR1232C1
Inj Date : 04-MAY-2005 18:48
Operator : SRC: Inst ID: E4.i
Smp Info : AR1232C1,AR1232C1,,ar1232.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1232.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
9.94	9.94	0.000	164902	0.00500	0.018			(a)
25 Aroclor-1232					CAS #: 11141-16-5			
13.6	13.6	0.000	14694	0.10000	0.10	80.00- 120.00	100.00	(a)
15.2	15.2	0.000	28811	0.10000	0.10	176.07- 216.07	196.07	
15.7	15.7	0.000	11297	0.10000	0.10	56.88- 96.88	76.88	
Average of Peak Amounts =					0.1			
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
28.0	28.0	0.000	121384	0.01000	0.018			(a)

SZ 05/06/05

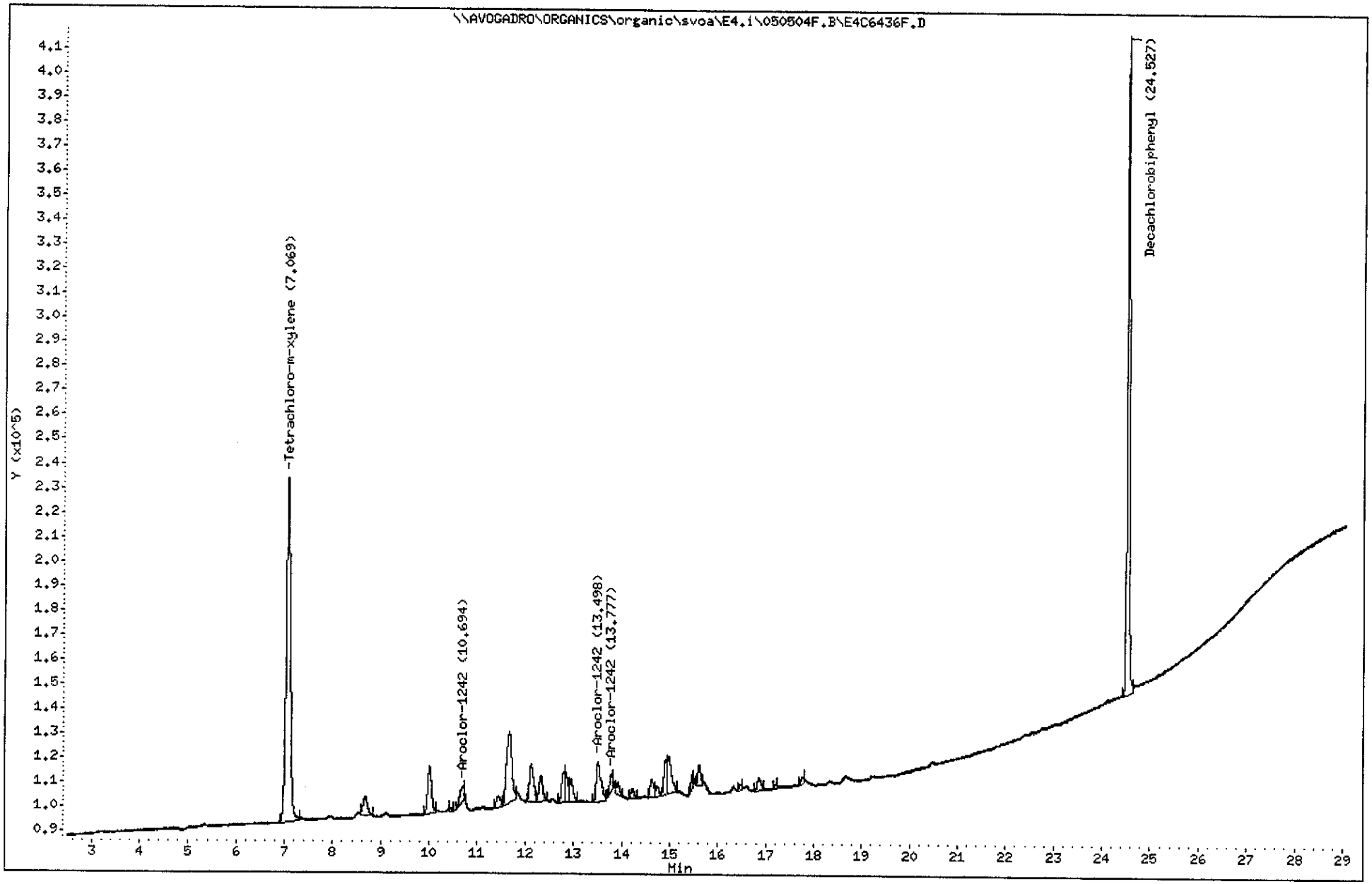
Data File: E4C6435R.D
Report Date: 05-May-2005 10:09

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6436F.D
Date : 04-MAY-2005 19:24
Client ID: AR1242C1
Sample Info: AR1242C1,AR1242C1,,ar1242.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53

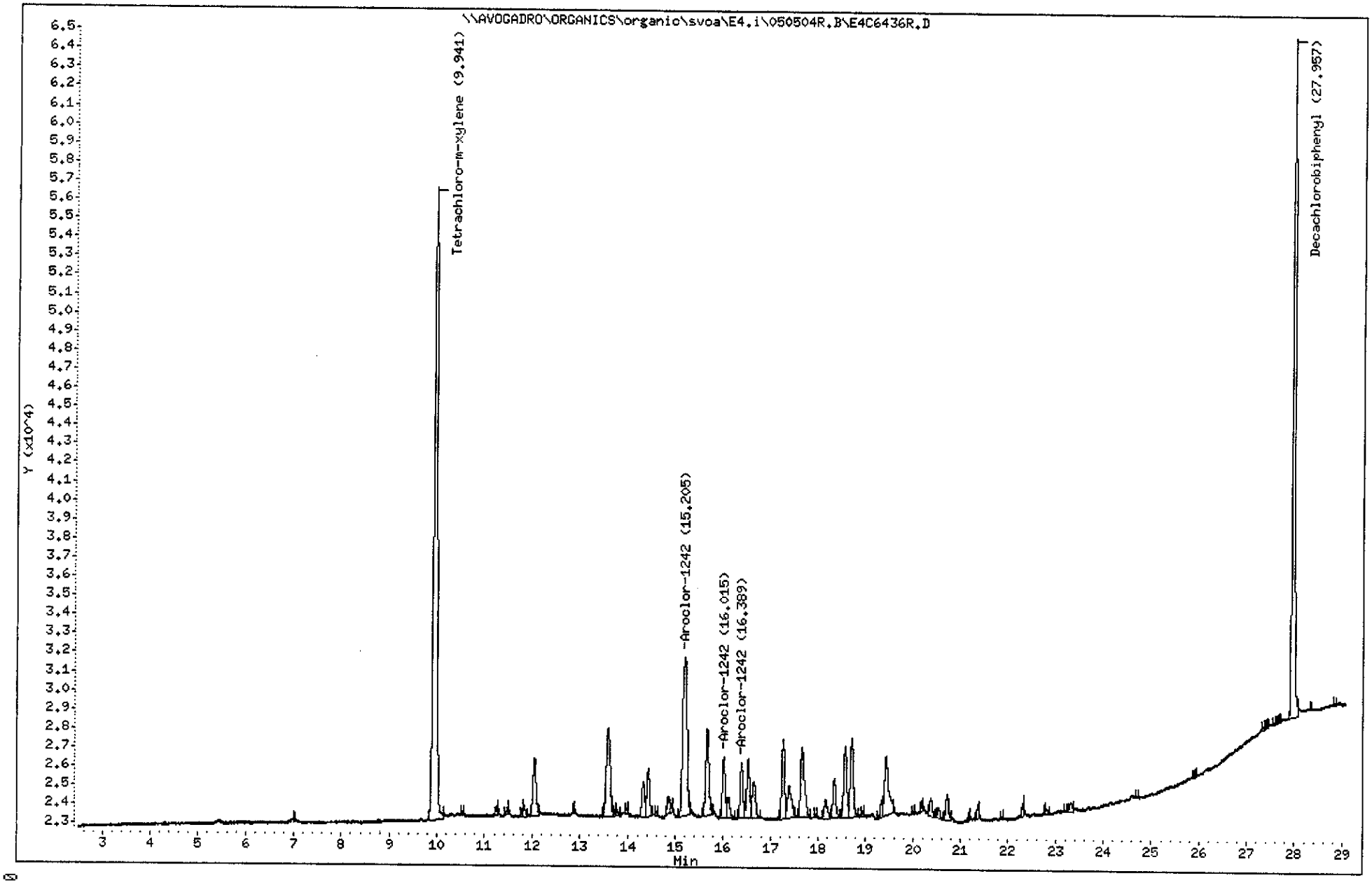


0591

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6436R.D
Date : 04-MAY-2005 19:24
Client ID: AR1242C1
Sample Info: AR1242C1,AR1242C1,,ar1242.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i

Operator: SRC:
Column diameter: 0.53



0592

Data File: E4C6436F.D
Report Date: 05-May-2005 10:08

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6436F.D
Lab Smp Id: AR1242C1 Client Smp ID: AR1242C1
Inj Date : 04-MAY-2005 19:24
Operator : SRC: Inst ID: E4.i
Smp Info : AR1242C1,AR1242C1,,ar1242.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 04-MAY-2005 22:25 Cal File: E4C6441F.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1242.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.07	7.07	0.000	868461	0.00500	0.019		(a)
26 Aroclor-1242					CAS #: 53469-21-9		
10.7	10.7	0.000	38708	0.10000	0.10	80.00- 120.00	100.00(a)
13.5	13.5	0.000	116760	0.10000	0.10	281.64- 321.64	301.64
13.8	13.8	0.000	28127	0.10000	0.10	52.66- 92.66	72.66
Average of Peak Amounts =					0.1		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	868290	0.01000	0.019		(a)

SZ 05/05/05

Data File: E4C6436F.D
Report Date: 05-May-2005 10:08

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6436R.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6436R.D
Lab Smp Id: AR1242C1 Client Smp ID: AR1242C1
Inj Date : 04-MAY-2005 19:24
Operator : SRC: Inst ID: E4.i
Smp Info : AR1242C1,AR1242C1,,ar1242.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1242.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE		RATIO	
RT	EXP RT	DLT RT	RESPONSE						
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8				
9.94	9.94	0.000	169201	0.00500	0.019				(a)
26 Aroclor-1242					CAS #: 53469-21-9				
15.2	15.2	0.000	53401	0.10000	0.10	80.00-	120.00	100.00	(a)
16.0	16.0	0.000	13004	0.10000	0.10	4.35-	44.35	24.35	
16.4	16.4	0.000	11524	0.10000	0.10	1.58-	41.58	21.58	
Average of Peak Amounts =					0.1				
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3				
28.0	28.0	0.000	123355	0.01000	0.018				(a)

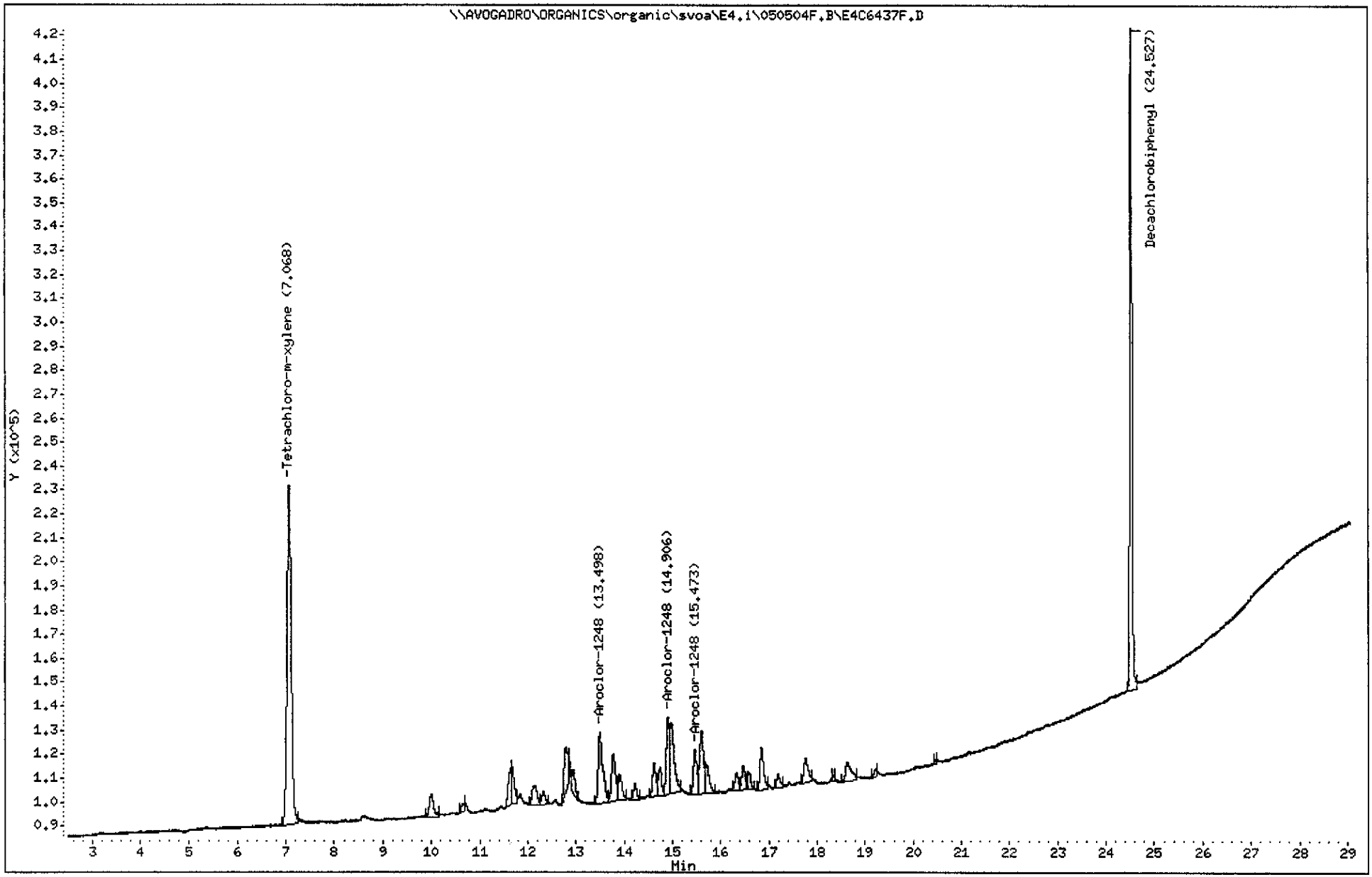
SZ 05/09/05

Data File: E4C6436R.D
Report Date: 05-May-2005 10:09

QC Flag Legend

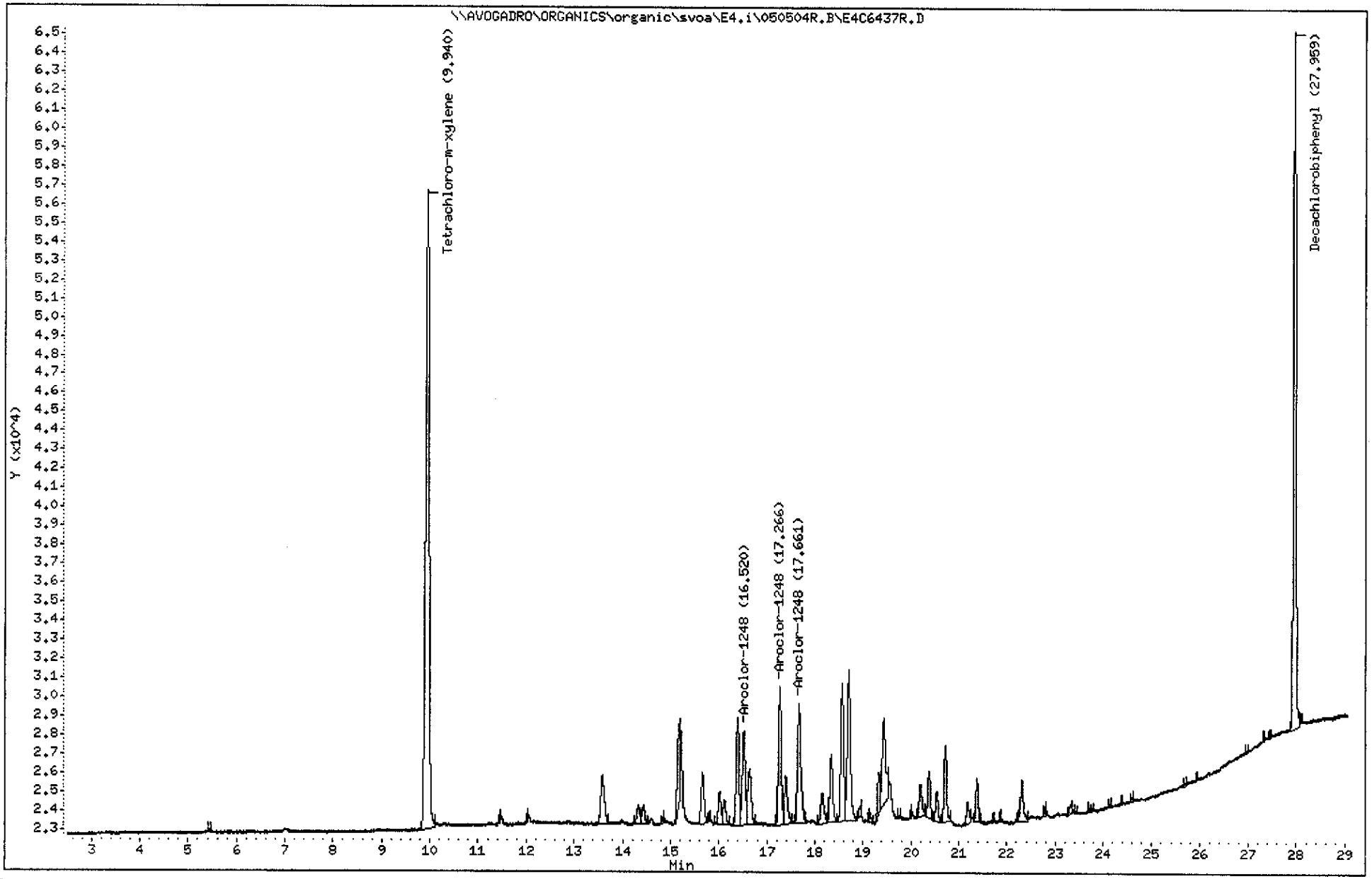
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6437F.D
Date : 04-MAY-2005 20:01
Client ID: AR1248C1
Instrument: E4.i
Sample Info: AR1248C1,AR1248C1,,ar1248.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0597

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6437R.D
Date : 04-MAY-2005 20:01
Client ID: AR1248C1
Instrument: E4.i
Sample Info: AR1248C1,AR1248C1,,ar1248,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



8650

Data File: E4C6437F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6437F.D
Lab Smp Id: AR1248C1 Client Smp ID: AR1248C1
Inj Date : 04-MAY-2005 20:01
Operator : SRC: Inst ID: E4.i
Smp Info : AR1248C1,AR1248C1,,ar1248.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 04-MAY-2005 22:25 Cal File: E4C6441F.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1248.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.07	7.07	0.000	866970	0.00500	0.019		(a)
27 Aroclor-1248					CAS #: 12672-29-6		
13.5	13.5	0.000	199531	0.10000	0.10	80.00- 120.00	100.00(a)
14.9	14.9	0.000	142392	0.10000	0.10	51.36- 91.36	71.36
15.5	15.5	0.000	93646	0.10000	0.10	26.93- 66.93	46.93
Average of Peak Amounts =					0.1		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	879452	0.01000	0.019		(a)

SZ 05/05/05

Data File: E4C6437F.D
Report Date: 05-May-2005 10:09

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6437R.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6437R.D
Lab Smp Id: AR1248C1 Client Smp ID: AR1248C1
Inj Date : 04-MAY-2005 20:01
Operator : SRC: Inst ID: E4.i
Smp Info : AR1248C1,AR1248C1,,ar1248.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1248.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	169482	0.00500	0.019		(a)
27 Aroclor-1248					CAS #: 12672-29-6		
16.5	16.5	0.000	21178	0.10000	0.10	80.00- 120.00	100.00(a)
17.3	17.3	0.000	29366	0.10000	0.10	118.66- 158.66	138.66
17.7	17.7	0.000	30971	0.10000	0.10	126.24- 166.24	146.24
Average of Peak Amounts =					0.1		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	125532	0.01000	0.019		(a)

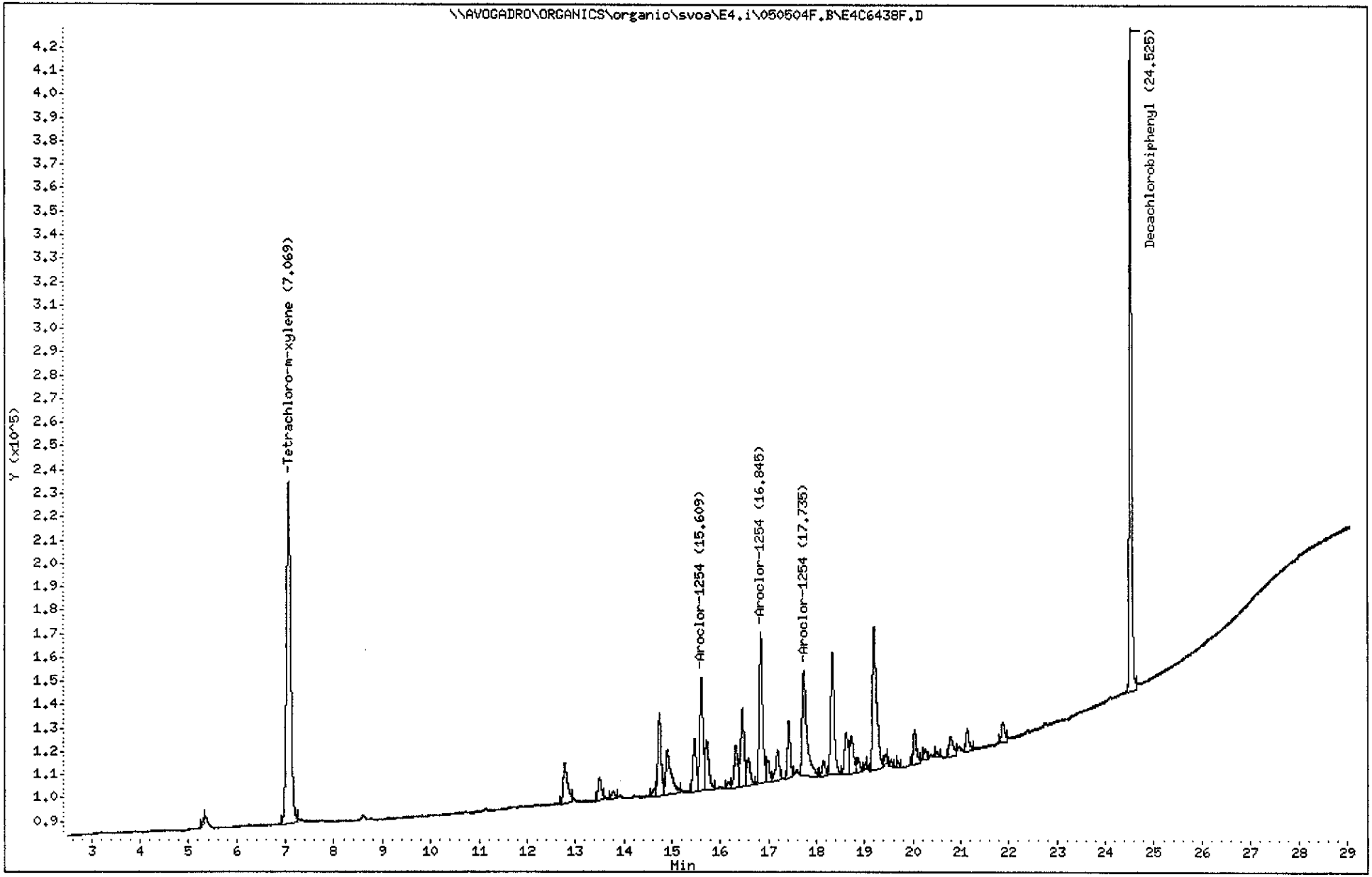
SZ 05/05/05

Data File: E4C6437R.D
Report Date: 05-May-2005 10:09

QC Flag Legend

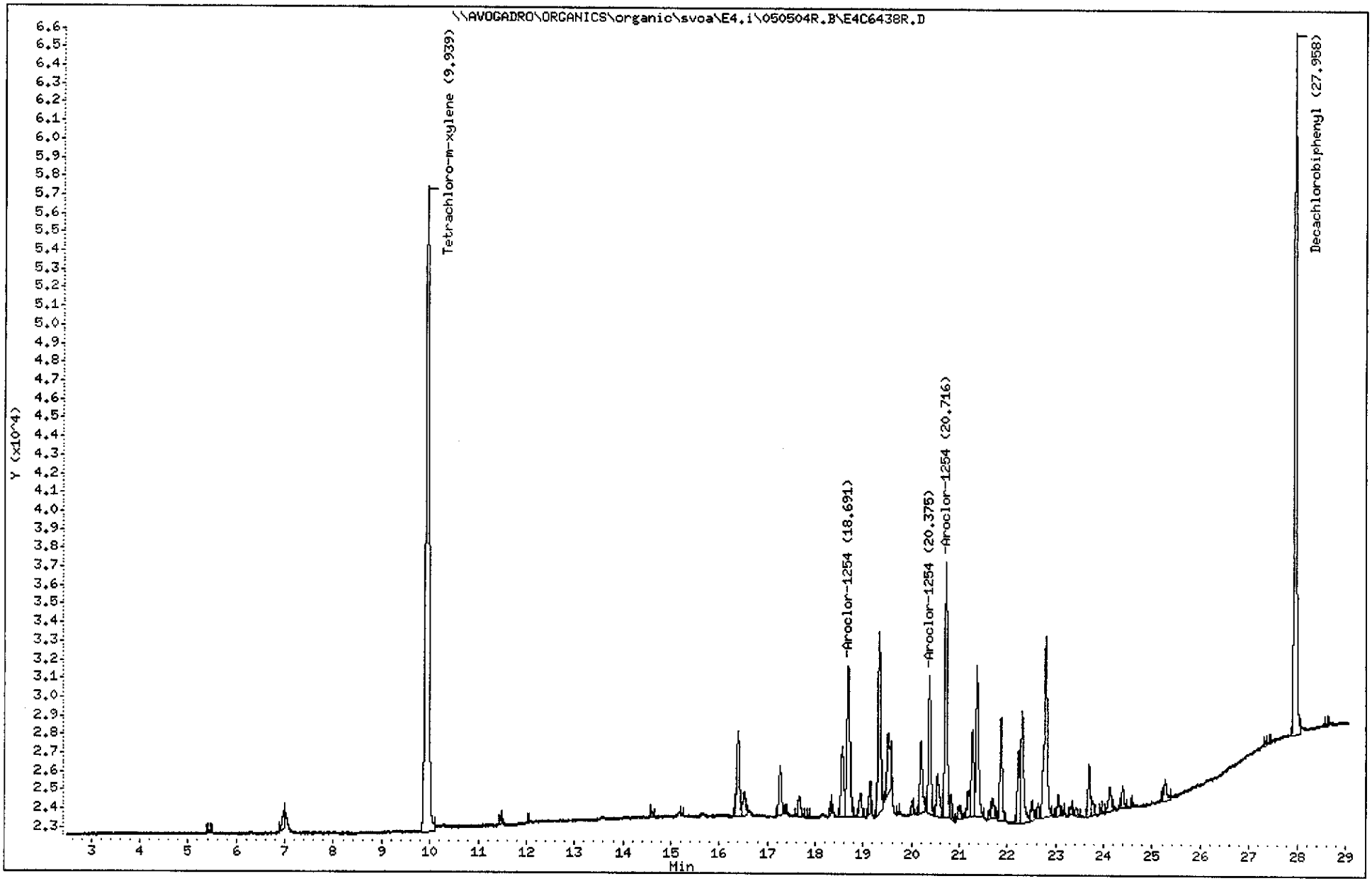
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6438F.D
Date : 04-MAY-2005 20:37
Client ID: AR1254C1
Instrument: E4.i
Sample Info: AR1254C1,AR1254C1,,ar1254.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



Σ090

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6438R.D
Date : 04-MAY-2005 20:37
Client ID: AR1254C1
Instrument: E4.i
Sample Info: AR1254C1,AR1254C1,,ar1254.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0604

Data File: E4C6438F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6438F.D
Lab Smp Id: AR1254C1 Client Smp ID: AR1254C1
Inj Date : 04-MAY-2005 20:37
Operator : SRC: Inst ID: E4.i
Smp Info : AR1254C1,AR1254C1,,ar1254.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 04-MAY-2005 22:25 Cal File: E4C6441F.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1254.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.07	7.07	0.000	892770	0.00500	0.019		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	900066	0.01000	0.019		(a)
28 Aroclor-1254					CAS #: 11097-69-1		
15.6	15.6	0.000	233815	0.10000	0.10	80.00- 120.00	100.00 (a)
16.8	16.8	0.000	312104	0.10000	0.10	113.48- 153.48	133.48
17.7	17.7	0.000	296778	0.10000	0.10	106.93- 146.93	126.93
Average of Peak Amounts =					0.1		

SZ 05/05/05

Data File: E4C6438F.D
Report Date: 05-May-2005 10:09

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6438R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6438R.D
Lab Smp Id: AR1254C1 Client Smp ID: AR1254C1
Inj Date : 04-MAY-2005 20:37
Operator : SRC: Inst ID: E4.i
Smp Info : AR1254C1,AR1254C1,,ar1254.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1254.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	175580	0.00500	0.020		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	129039	0.01000	0.019		(a)
28 Aroclor-1254					CAS #: 11097-69-1		
18.7	18.7	0.000	34057	0.10000	0.10	80.00- 120.00	100.00(a)
20.4	20.4	0.000	26261	0.10000	0.10	57.11- 97.11	77.11
20.7	20.7	0.000	47798	0.10000	0.10	120.35- 160.35	140.35
Average of Peak Amounts =					0.1		

5/20/05 TOC

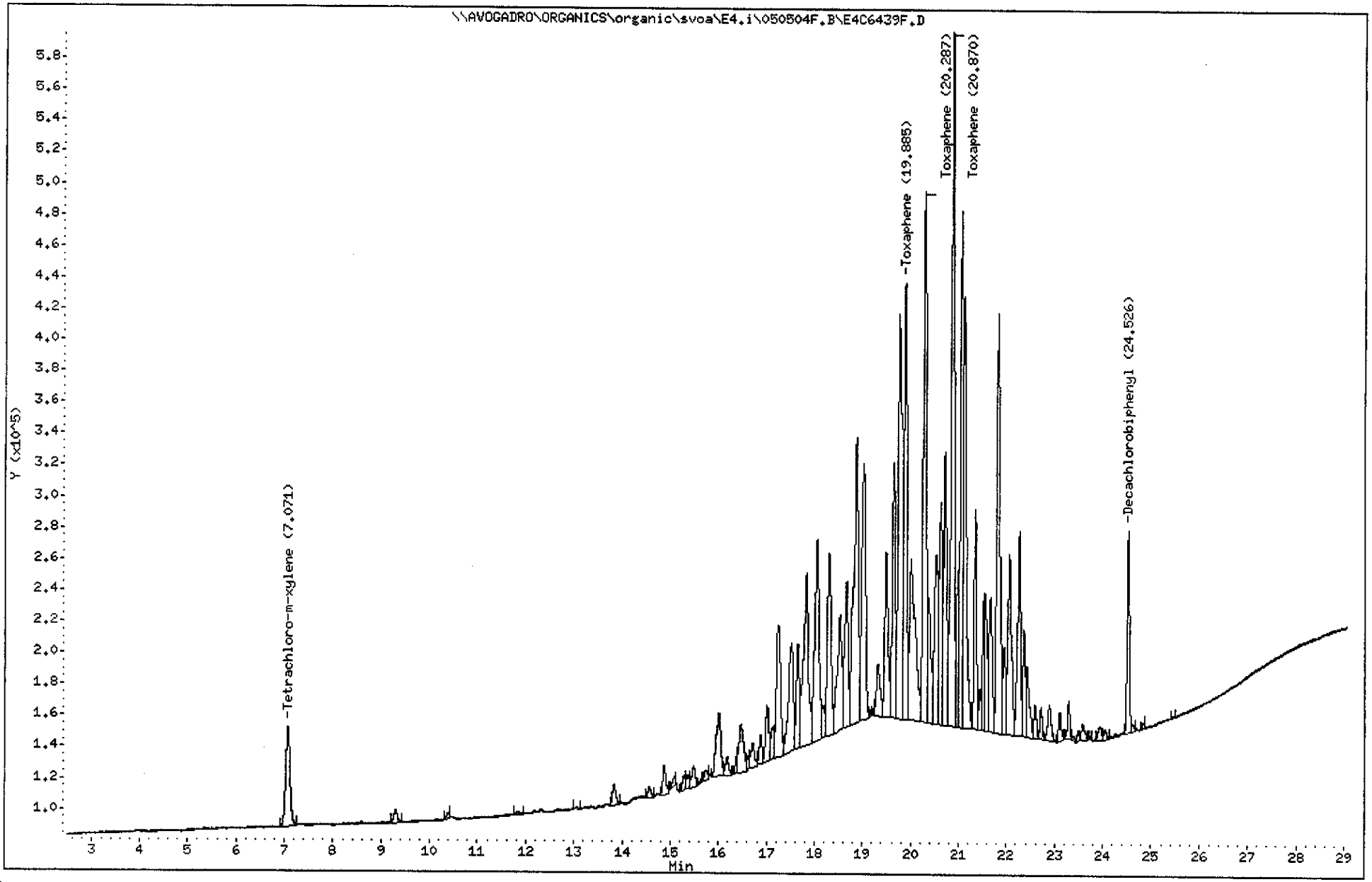
Data File: E4C6438R.D
Report Date: 05-May-2005 10:10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6439F.D
Date : 04-MAY-2005 21:13
Client ID: TOXAPHC1
Sample Info: TOXAPHC1,TOXAPHC1,,toxaph,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

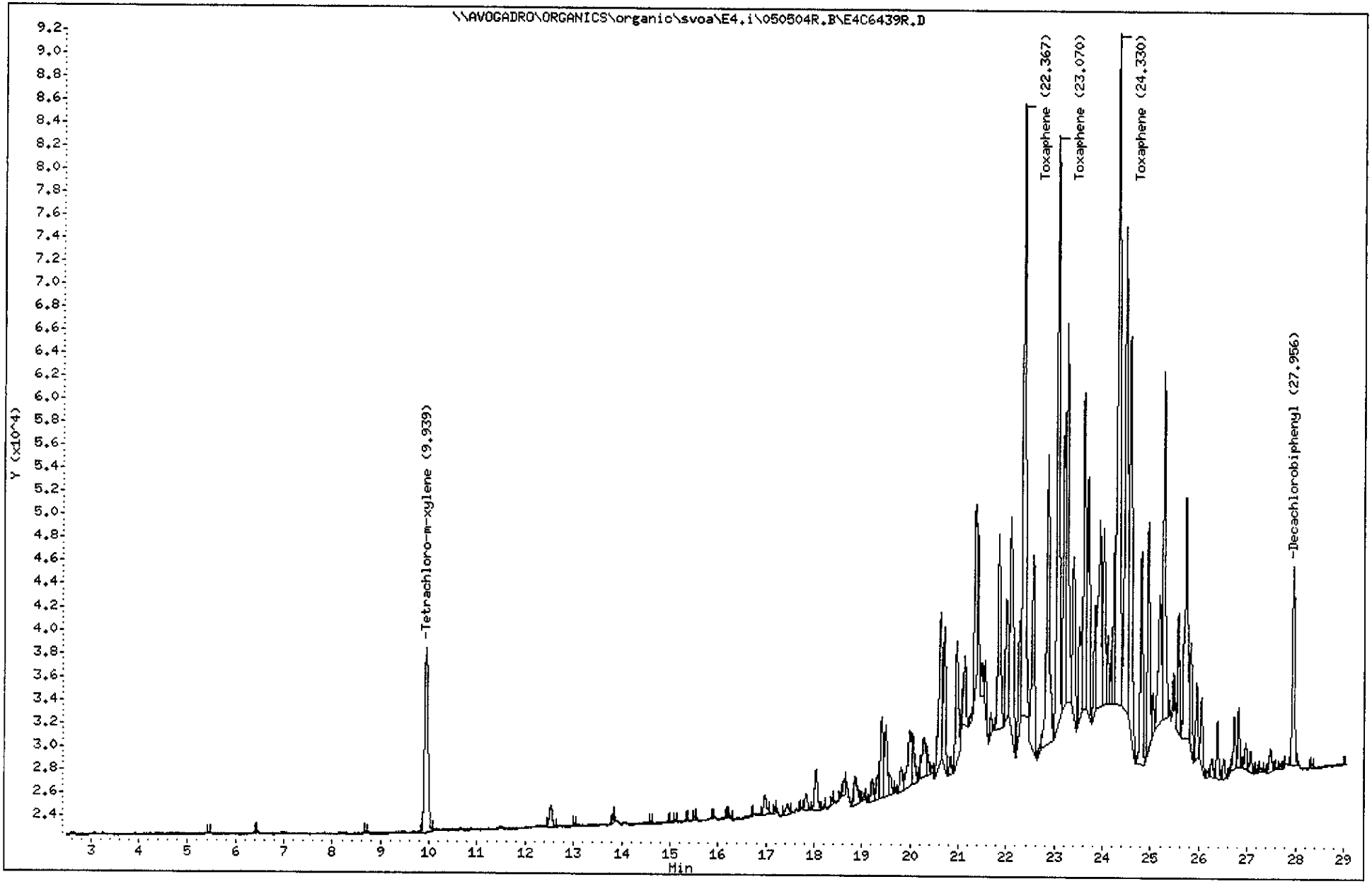
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



6090

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6439R.D
Date : 04-MAY-2005 21:13
Client ID: TOXAPHC1
Sample Info: TOXAPHC1,TOXAPHC1,,toxaph.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0610

Data File: E4C6439F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6439F.D
Lab Smp Id: TOXAPHC1 Client Smp ID: TOXAPHC1
Inj Date : 04-MAY-2005 21:13
Operator : SRC: Inst ID: E4.i
Smp Info : TOXAPHC1,TOXAPHC1,,toxaph.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 04-MAY-2005 22:25 Cal File: E4C6441F.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxaph.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.07	7.07	0.000	399762	0.00500	0.0086			(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
24.5	24.5	0.000	419703	0.01000	0.0091			(a)
30 Toxaphene					CAS #: 8001-35-2			
19.9	19.9	0.000	1194761	0.50000	0.50	80.00- 120.00	100.00	(a)
20.3	20.3	0.000	1609027	0.50000	0.50	114.67- 154.67	134.67	
20.9	20.9	0.000	1965670	0.50000	0.50	144.52- 184.52	164.52	
		Average of Peak Amounts =			0.5			

SZ 05/06/05

Data File: E4C6439F.D
Report Date: 05-May-2005 10:09

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6439R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6439R.D
Lab Smp Id: TOXAPHC1 Client Smp ID: TOXAPHC1
Inj Date : 04-MAY-2005 21:13
Operator : SRC: Inst ID: E4.i
Smp Info : TOXAPHC1,TOXAPHC1,,toxaph.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxaph.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	80326	0.00500	0.0089		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	57688	0.01000	0.0086		(a)
30 Toxaphene					CAS #: 8001-35-2		
22.4	22.4	0.000	208215	0.50000	0.50	80.00- 120.00	100.00(a)
23.1	23.1	0.000	181224	0.50000	0.50	67.04- 107.04	87.04
24.3	24.3	0.000	242505	0.50000	0.50	96.47- 136.47	116.47
Average of Peak Amounts =					0.5		

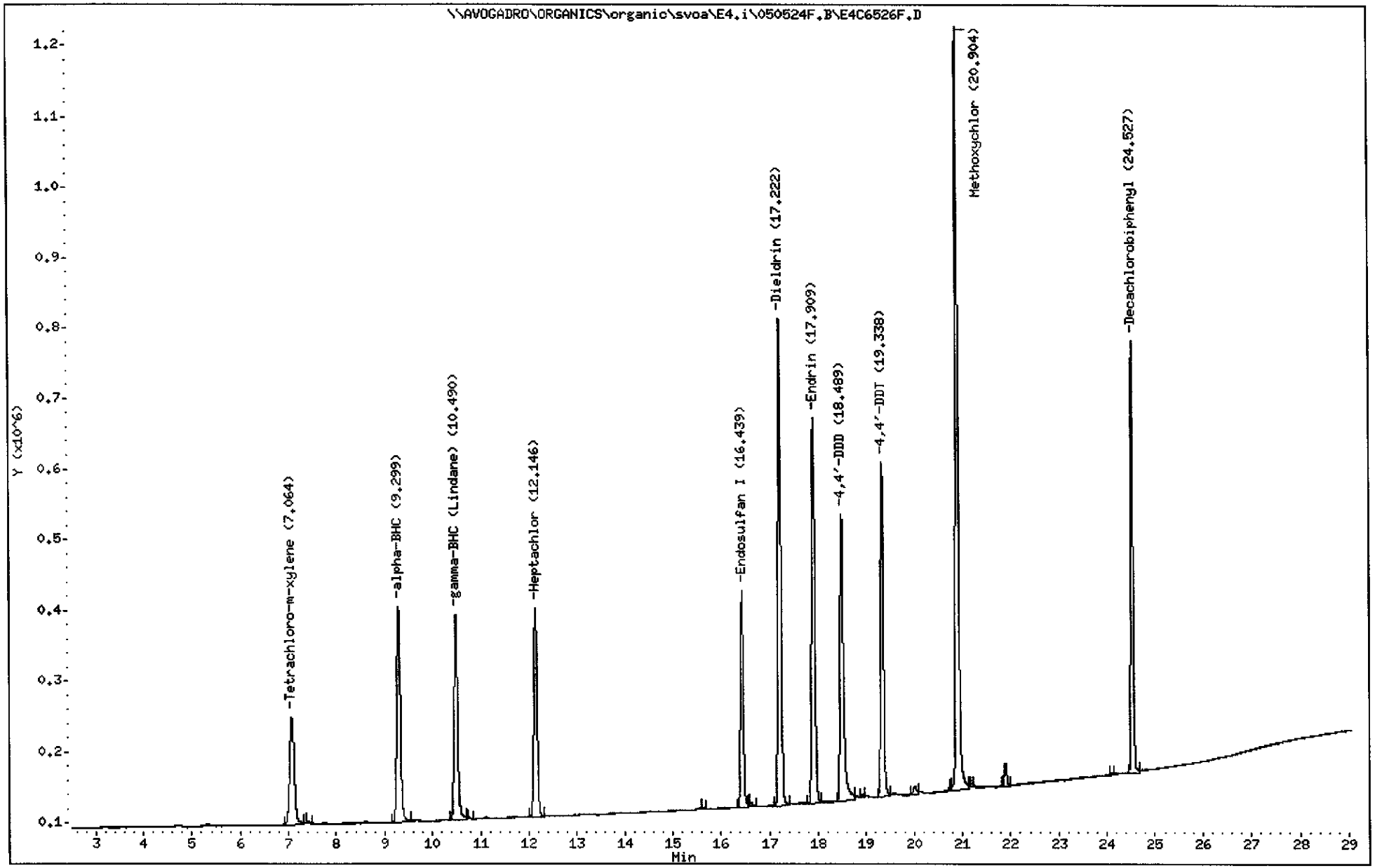
SZ 05/05/05

Data File: E4C6439R.D
Report Date: 05-May-2005 10:10

QC Flag Legend

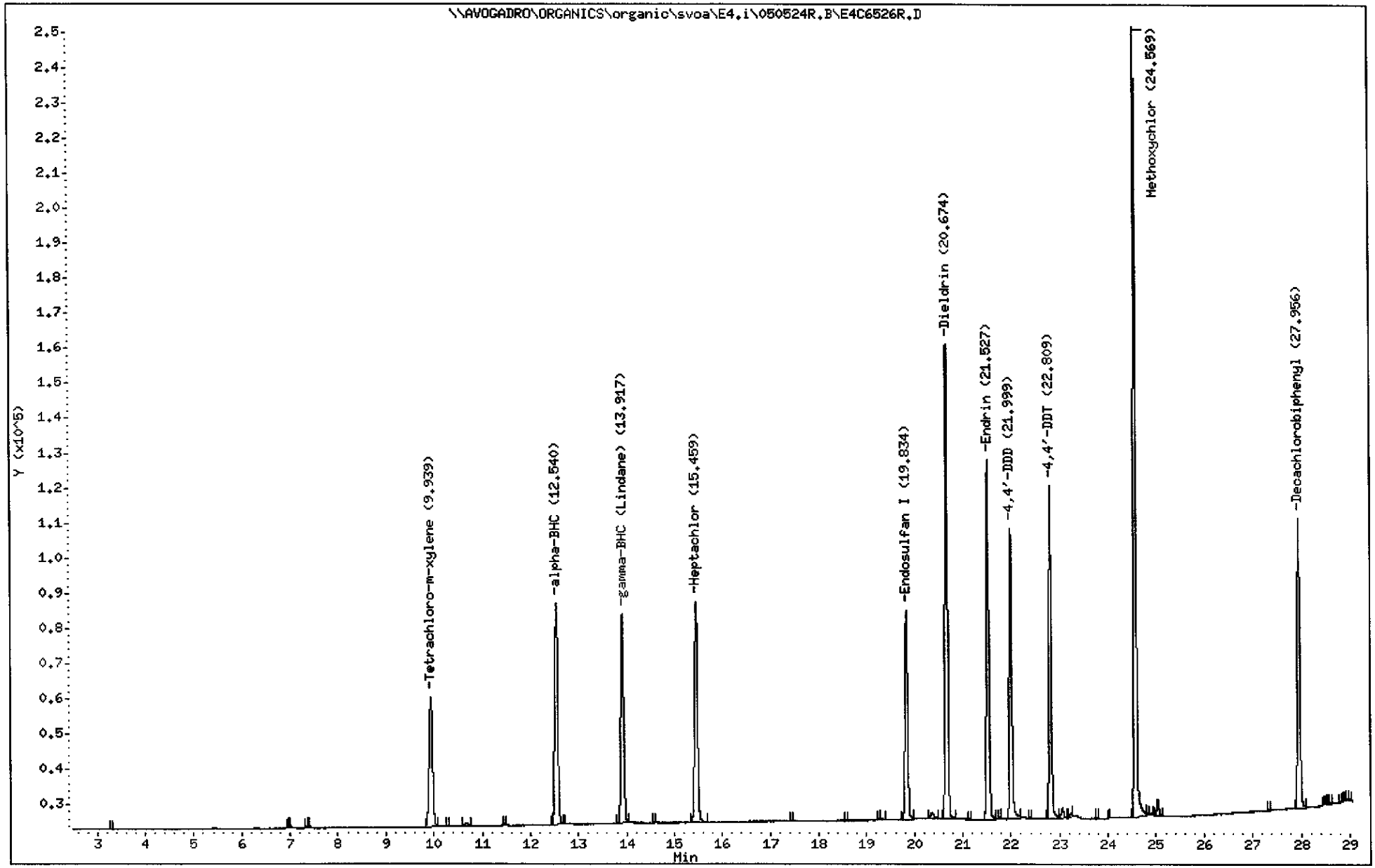
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6526F.D
Date : 26-MAY-2005 11:52
Client ID: INDAMCH
Instrument: E4.i
Sample Info: INDAMCH,INDAMCH,,inda,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0615

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6526R.D
Date : 26-MAY-2005 11:52
Client ID: INDAMCH
Instrument: E4.i
Sample Info: INDAMCH,INDAMCH,,inda.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E4C6526F.D
Report Date: 01-Jun-2005 10:27

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6526F.D
Lab Smp Id: INDAMCH Client Smp ID: INDAMCH
Inj Date : 26-MAY-2005 11:52
Operator : SRC: Inst ID: E4.i
Smp Info : INDAMCH,INDAMCH,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.07	-0.010	946209	0.02000	0.020		(a)
3 alpha-BHC					CAS #: 319-84-6		
9.30	9.30	0.000	1557291	0.02000	0.021		(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	1422895	0.02000	0.020		(a)
5 Heptachlor					CAS #: 76-44-8		
12.1	12.1	0.000	1367708	0.02000	0.020		(a)

Data File: E4C6526F.D
Report Date: 01-Jun-2005 10:27

				AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
10 Endosulfan I						CAS #: 959-98-8	
16.4	16.4	0.000	1285475	0.02000	0.022		(a)
14 Dieldrin						CAS #: 60-57-1	
17.2	17.2	0.000	2761260	0.04000	0.042		(a)
15 Endrin						CAS #: 72-20-8	
17.9	17.9	0.000	2242440	0.04000	0.041		(a)
16 4,4'-DDD						CAS #: 72-54-8	
18.5	18.5	0.000	2007791	0.04000	0.041		(a)
18 4,4'-DDT						CAS #: 50-29-3	
19.3	19.3	0.000	1847503	0.04000	0.039		(a)
21 Methoxychlor						CAS #: 72-43-5	
20.9	20.9	0.000	4150958	0.20000	0.19		(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	1916405	0.04000	0.041		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6526R.D
Report Date: 01-Jun-2005 10:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6526R.D
Lab Smp Id: INDAMCH Client Smp ID: INDAMCH
Inj Date : 26-MAY-2005 11:52
Operator : SRC: Inst ID: E4.i
Smp Info : INDAMCH,INDAMCH,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
RT	EXP RT	DLT RT	RESPONSE					
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
9.94	9.94	0.000	183374	0.02000	0.020			(a)
3 alpha-BHC					CAS #: 319-84-6			
12.5	12.5	0.000	258740	0.02000	0.021			(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9			
13.9	13.9	0.000	236001	0.02000	0.020			(a)
5 Heptachlor					CAS #: 76-44-8			
15.5	15.5	0.000	256654	0.02000	0.020			(a)

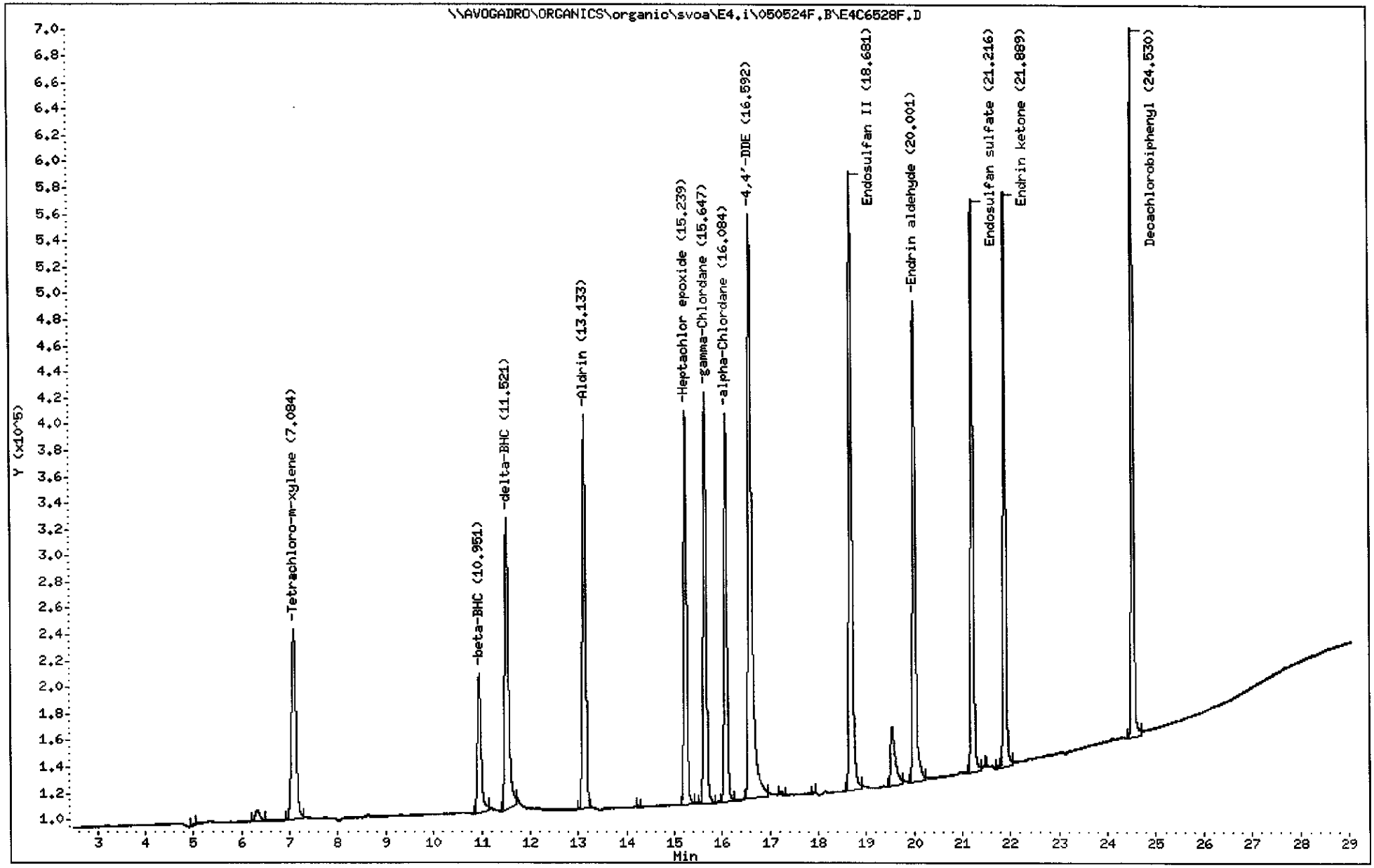
Data File: E4C6526R.D
Report Date: 01-Jun-2005 10:28

				AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
RT	EXP RT	DLT RT	RESPONSE					
10 Endosulfan I						CAS #: 959-98-8		
19.8	19.8	0.000	219402	0.02000	0.022			(a)
14 Dieldrin						CAS #: 60-57-1		
20.7	20.7	0.000	455991	0.04000	0.044			(a)
15 Endrin						CAS #: 72-20-8		
21.5	21.5	0.000	337054	0.04000	0.043			(a)
16 4,4'-DDD						CAS #: 72-54-8		
22.0	22.0	0.000	273293	0.04000	0.043			(a)
18 4,4'-DDT						CAS #: 50-29-3		
22.8	22.8	0.000	294270	0.04000	0.042			(a)
21 Methoxychlor						CAS #: 72-43-5		
24.6	24.6	0.000	690471	0.20000	0.20			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
28.0	28.0	0.000	275464	0.04000	0.041			(a)

QC Flag Legend

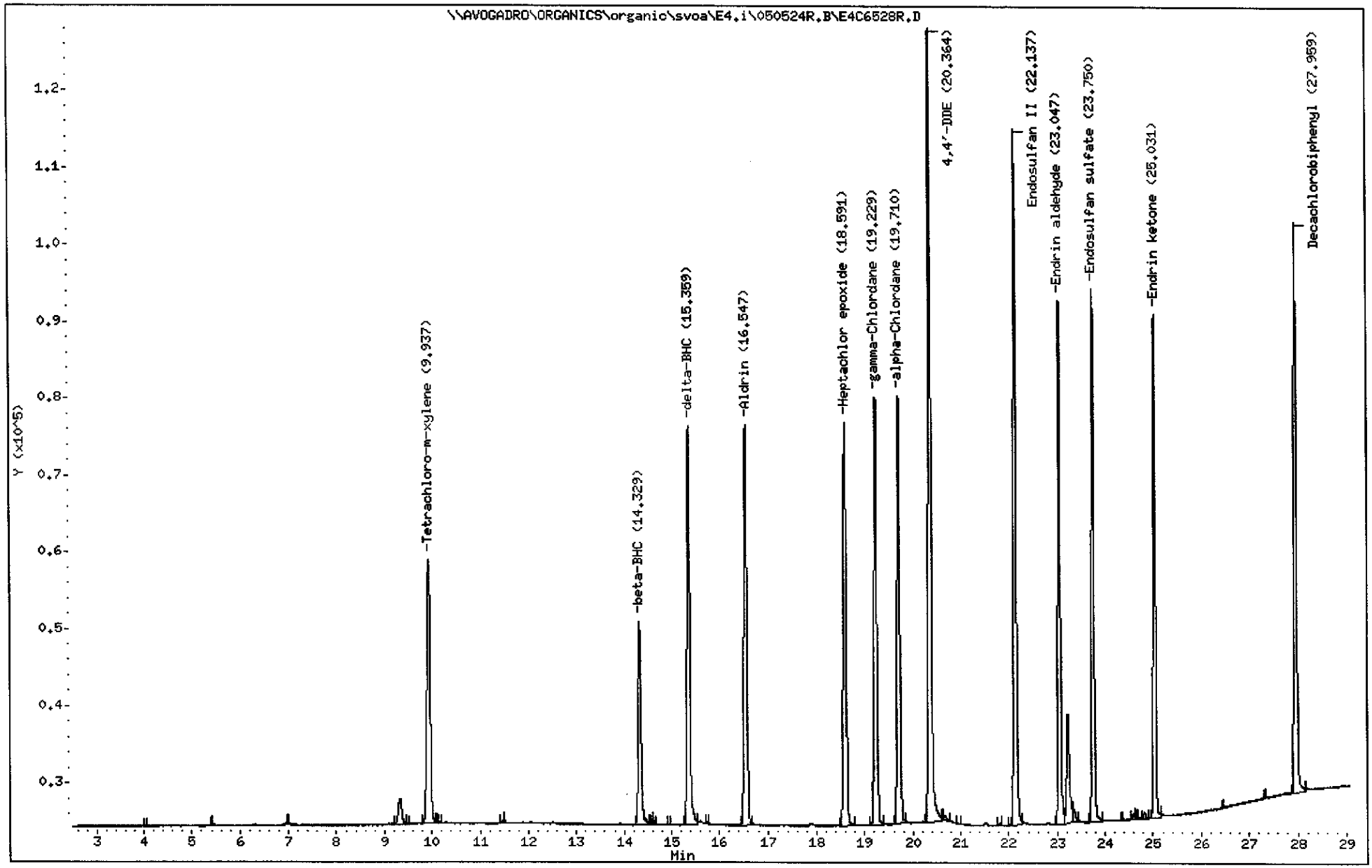
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6528F.D
Date : 26-MAY-2005 13:48
Client ID: INDBMCH
Instrument: E4.i
Sample Info: INDBMCH,INDBMCH,,indb,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0621

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6528R.D
Date : 26-MAY-2005 13:48
Client ID: INDBMCH
Instrument: E4.i
Sample Info: INDBMCH,INDBMCH,,indb.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0622

Data File: E4C6528F.D
Report Date: 01-Jun-2005 10:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6528F.D
Lab Smp Id: INDBMCH Client Smp ID: INDBMCH
Inj Date : 26-MAY-2005 13:48
Operator : SRC: Inst ID: E4.i
Smp Info : INDBMCH,INDBMCH,,indb.sub,,
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.08	7.07	0.010	900299	0.02000	0.019		(a)
6 Aldrin					CAS #: 309-00-2		
13.1	13.1	0.000	1316043	0.02000	0.021		(a)
7 beta-BHC					CAS #: 319-85-7		
11.0	10.9	0.100	557060	0.02000	0.022		(a)
8 delta-BHC					CAS #: 319-86-8		
11.5	11.5	0.000	1156014	0.02000	0.020		(a)

Data File: E4C6528F.D
Report Date: 01-Jun-2005 10:28

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
9 Heptachlor epoxide						CAS #: 1024-57-3		
15.2	15.2	0.000	1255060	0.02000	0.021			(a)
11 gamma-Chlordane						CAS #: 5103-74-2		
15.6	15.6	0.000	1317152	0.02000	0.021			(a)
12 alpha-Chlordane						CAS #: 5103-71-9		
16.1	16.1	0.000	1209191	0.02000	0.021			(a)
13 4,4'-DDE						CAS #: 72-55-9		
16.6	16.6	0.000	2380104	0.04000	0.041			(a)
17 Endosulfan II						CAS #: 33213-65-9		
18.7	18.7	0.000	2128229	0.04000	0.041			(a)
19 Endrin aldehyde						CAS #: 7421-93-4		
20.0	20.0	0.000	1537420	0.04000	0.040			(a)
20 Endosulfan sulfate						CAS #: 1031-07-8		
21.2	21.2	0.000	1602536	0.04000	0.044			(a)
22 Endrin ketone						CAS #: 53494-70-5		
21.9	21.9	0.000	1503299	0.04000	0.042			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
24.5	24.5	0.000	1752213	0.04000	0.038			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6528R.D
Report Date: 01-Jun-2005 10:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6528R.D
Lab Smp Id: INDBMCH Client Smp ID: INDBMCH
Inj Date : 26-MAY-2005 13:48
Operator : SRC: Inst ID: E4.i
Smp Info : INDBMCH,INDBMCH,,indb.sub,,
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	170240	0.02000	0.019		(a)
6 Aldrin						CAS #: 309-00-2	
16.5	16.5	0.000	206969	0.02000	0.021		(a)
7 beta-BHC						CAS #: 319-85-7	
14.3	14.3	0.000	106635	0.02000	0.020		(a)
8 delta-BHC						CAS #: 319-86-8	
15.4	15.4	0.000	201474	0.02000	0.020		(a)

Data File: E4C6528R.D
Report Date: 01-Jun-2005 10:28

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
9 Heptachlor epoxide					CAS #: 1024-57-3		
18.6	18.6	0.000	209125	0.02000	0.021		(a)
11 gamma-Chlordane					CAS #: 5103-74-2		
19.2	19.2	0.000	213361	0.02000	0.021		(a)
12 alpha-Chlordane					CAS #: 5103-71-9		
19.7	19.7	0.000	204677	0.02000	0.021		(a)
13 4,4'-DDE					CAS #: 72-55-9		
20.4	20.4	0.000	376644	0.04000	0.043		(a)
17 Endosulfan II					CAS #: 33213-65-9		
22.1	22.1	0.000	305326	0.04000	0.042		(a)
19 Endrin aldehyde					CAS #: 7421-93-4		
23.0	23.0	0.000	221683	0.04000	0.041		(a)
20 Endosulfan sulfate					CAS #: 1031-07-8		
23.8	23.7	0.100	219459	0.04000	0.050		(a)
22 Endrin ketone					CAS #: 53494-70-5		
25.0	25.0	0.000	198457	0.04000	0.048		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	254538	0.04000	0.038		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK4F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: MB-18090

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6532F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 05/12/05

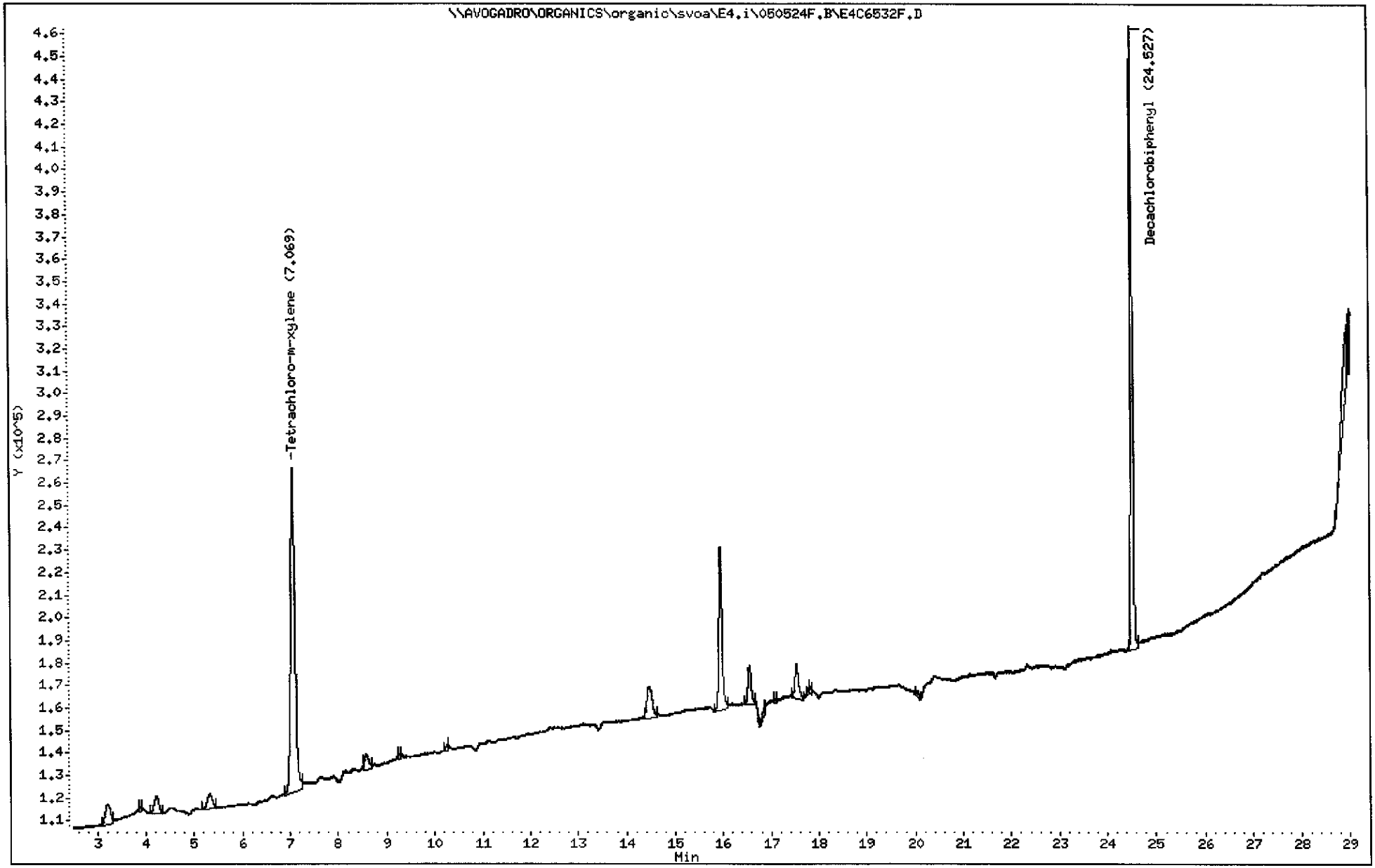
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

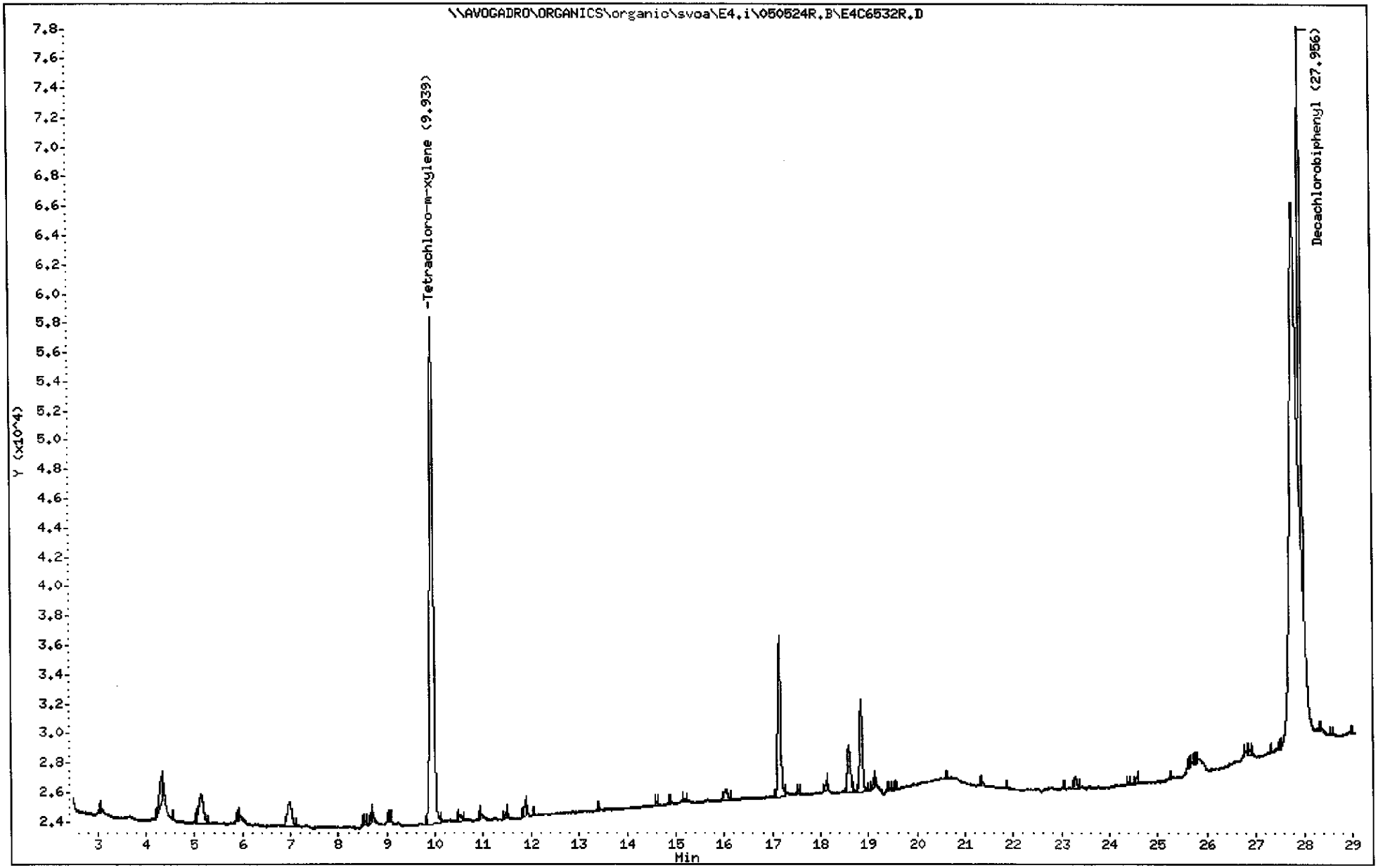
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6532F.D
Date : 26-MAY-2005 16:23
Client ID: PBLK4F
Instrument: E4.i
Sample Info: MB-18090,PBLK4F,18090,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



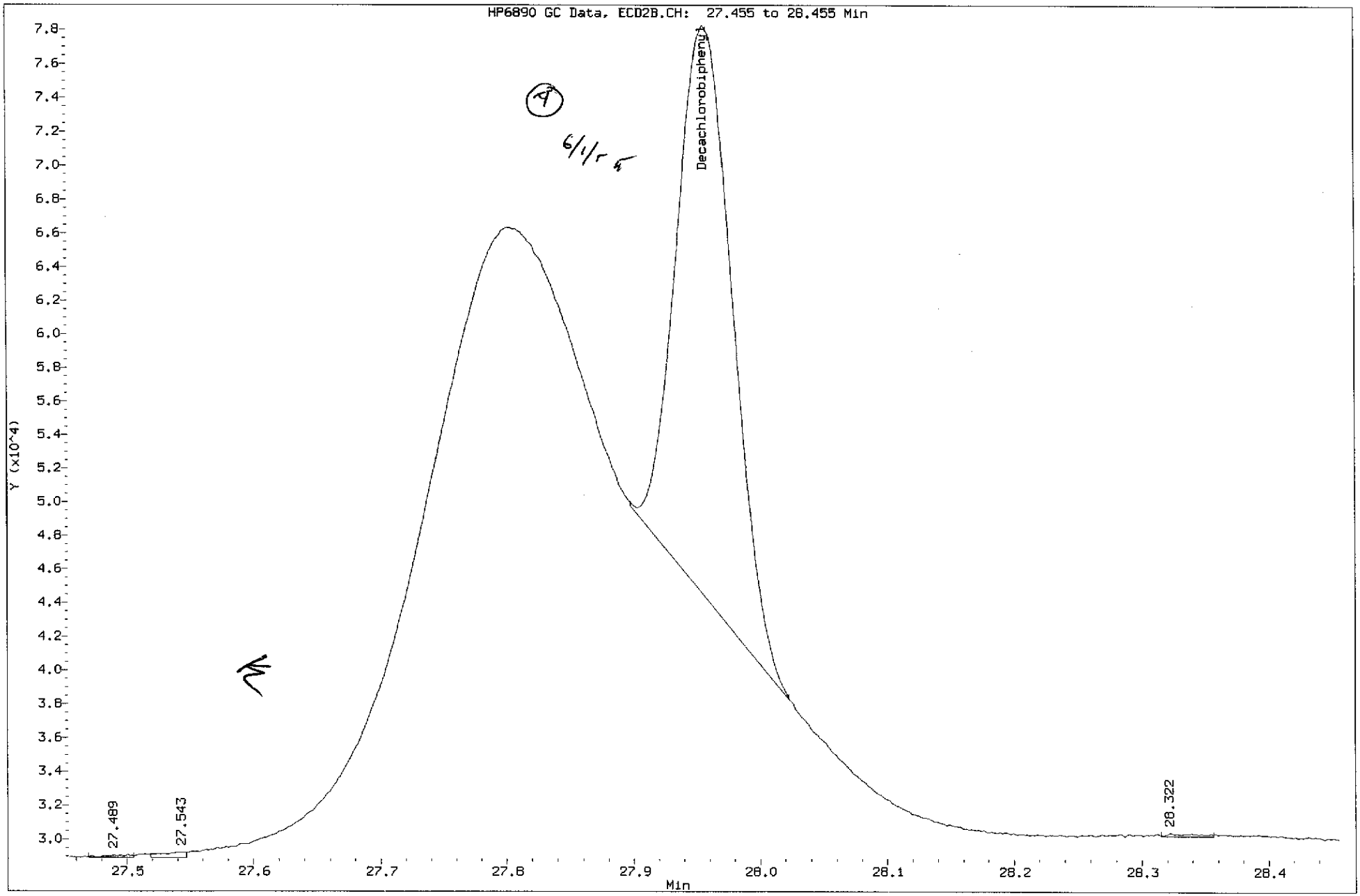
0628

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6532R.D
Date : 26-MAY-2005 16:23
Client ID: PBLK4F
Instrument: E4.i
Sample Info: MB-18090,PBLK4F,18090,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



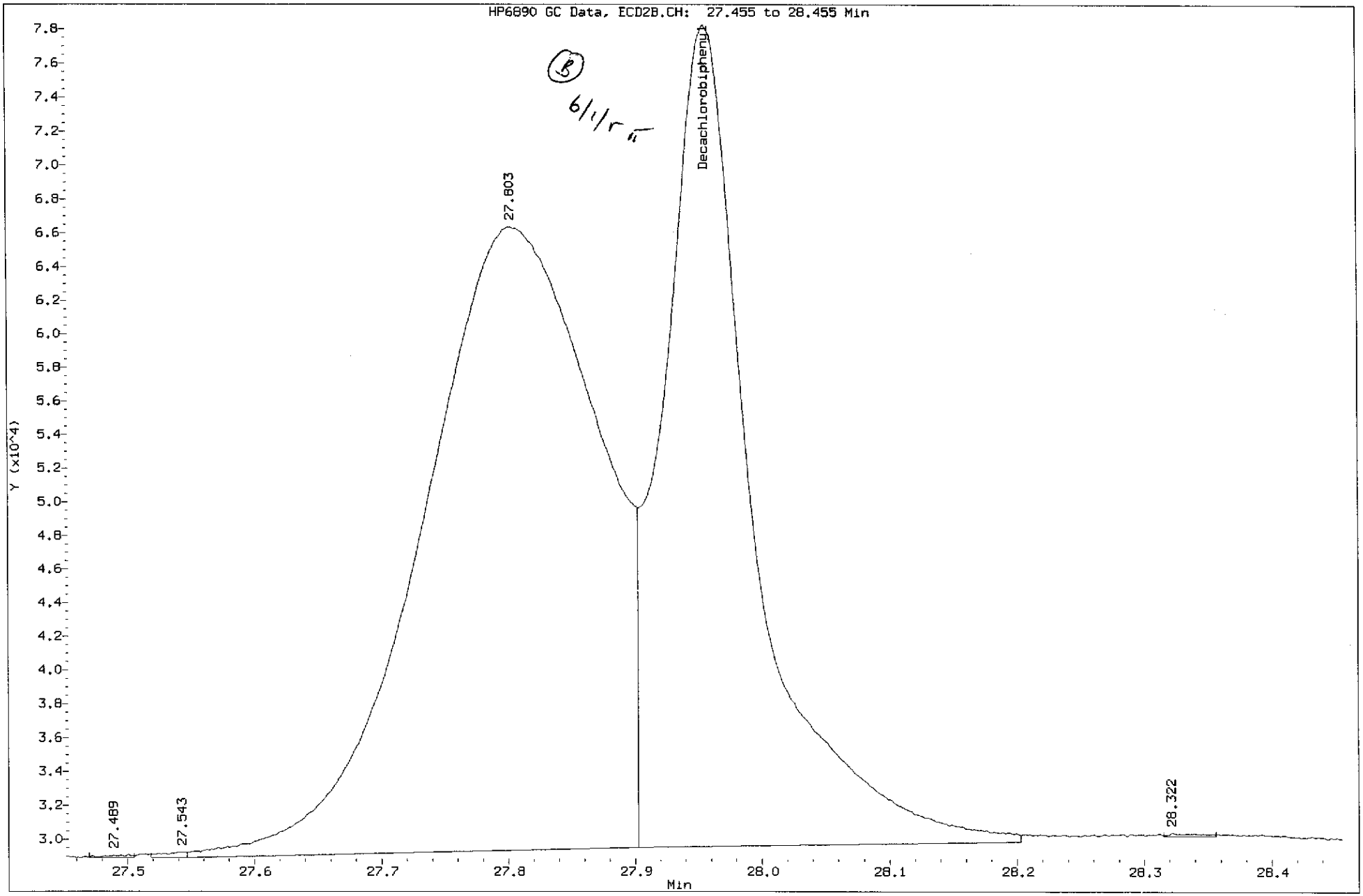
0629

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6532R.D
Injection Date: 26-MAY-2005 16:23
Instrument: E4.i
Client Sample ID: PBLK4F



0090

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6532R.D
Injection Date: 26-MAY-2005 16:23
Instrument: E4.i
Client Sample ID: PBLK4F



0631

Data File: E4C6532F.D
Report Date: 01-Jun-2005 10:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6532F.D
Lab Smp Id: MB-18090 Client Smp ID: PBLK4F
Inj Date : 26-MAY-2005 16:23
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : MB-18090,PBLK4F,18090,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.07	7.07	0.000	899747	0.01934	0.19		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	864071	0.01867	0.19		

6/1/05

Data File: E4C6532R.D
Report Date: 01-Jun-2005 10:26

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6532R.D
Lab Smp Id: MB-18090 Client Smp ID: PBLK4F
Inj Date : 26-MAY-2005 16:23
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : MB-18090,PBLK4F,18090,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	176011	0.01956	0.20		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	104842	0.01557	0.16		(M)

6/1/05

QC Flag Legend

M - Compound response manually integrated.

6/1/05

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK4E

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) SOIL Lab Sample ID: MB-18108

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4C6522F

% Moisture: 0 Decanted: (Y/N) N Date Received: _____

Extraction: (Type) SONC Date Extracted: 05/13/05

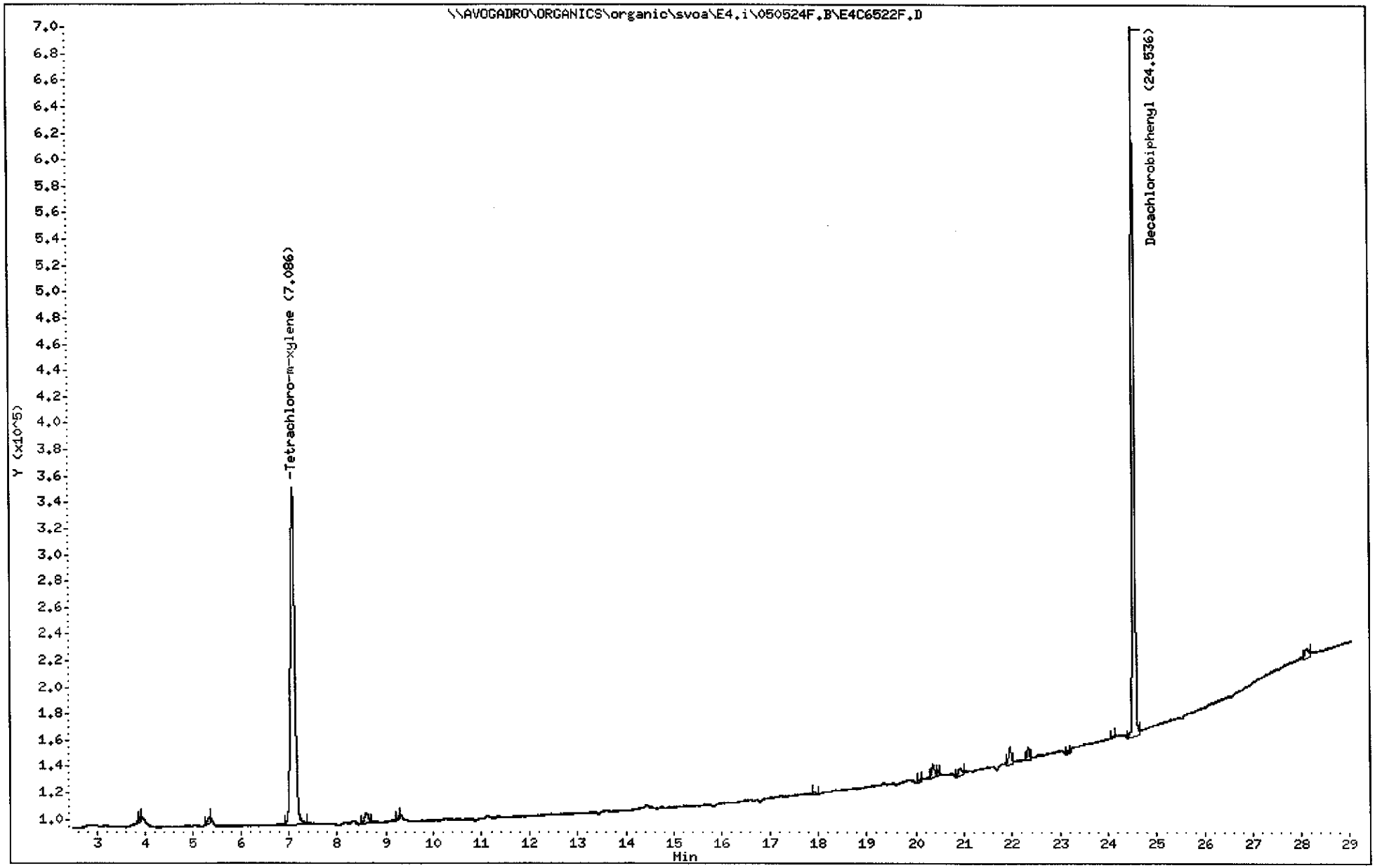
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Sulfur Cleanup: (Y/N) Y

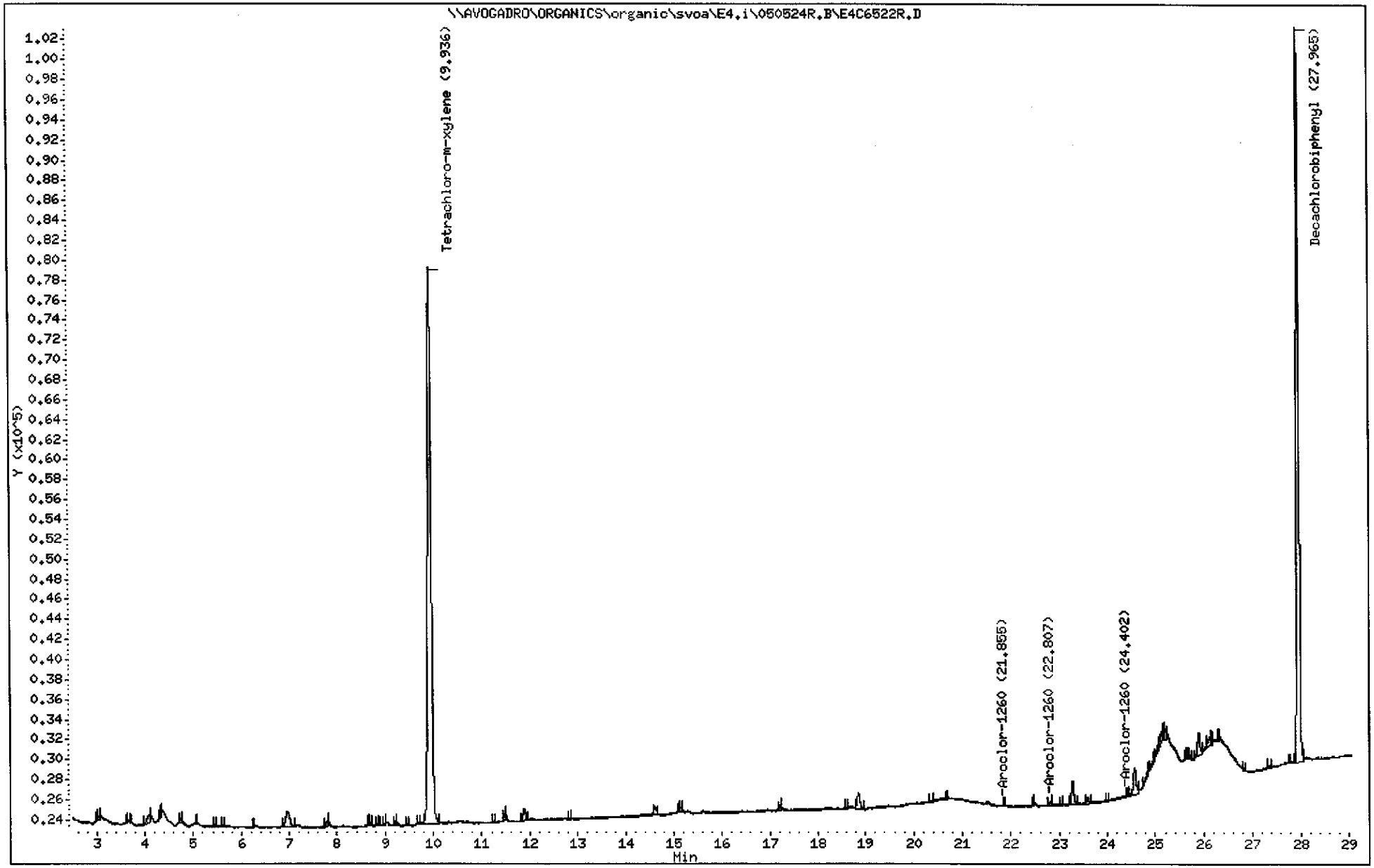
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6522F.D
Date : 26-MAY-2005 09:27
Client ID: PBLK4E
Instrument: E4.i
Sample Info: MB-18108,PBLK4E,18108,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



0635

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6522R.D
Date : 26-MAY-2005 09:27
Client ID: PBLK4E
Instrument: E4.i
Sample Info: MB-18108,PBLK4E,18108,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E4C6522F.D
Report Date: 01-Jun-2005 10:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6522F.D
Lab Smp Id: MB-18108 Client Smp ID: PBLK4E
Inj Date : 26-MAY-2005 09:27
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : MB-18108,PBLK4E,18108,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: SOIL
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.000	% Moisture

			CONCENTRATIONS			
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	============	=====
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.09	7.07	0.020	1559348	0.03352	11		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	1645554	0.03556	12		

Data File: E4C6522R.D
Report Date: 01-Jun-2005 10:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6522R.D
Lab Smp Id: MB-18108 Client Smp ID: PBLK4E
Inj Date : 26-MAY-2005 09:27
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : MB-18108,PBLK4E,18108,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: SOIL
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.000	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	283102	0.03147		10	
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	244192	0.03627		12	

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKC2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: PIBLKC2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6446F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/05/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKC2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: PIBLKC2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6446R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

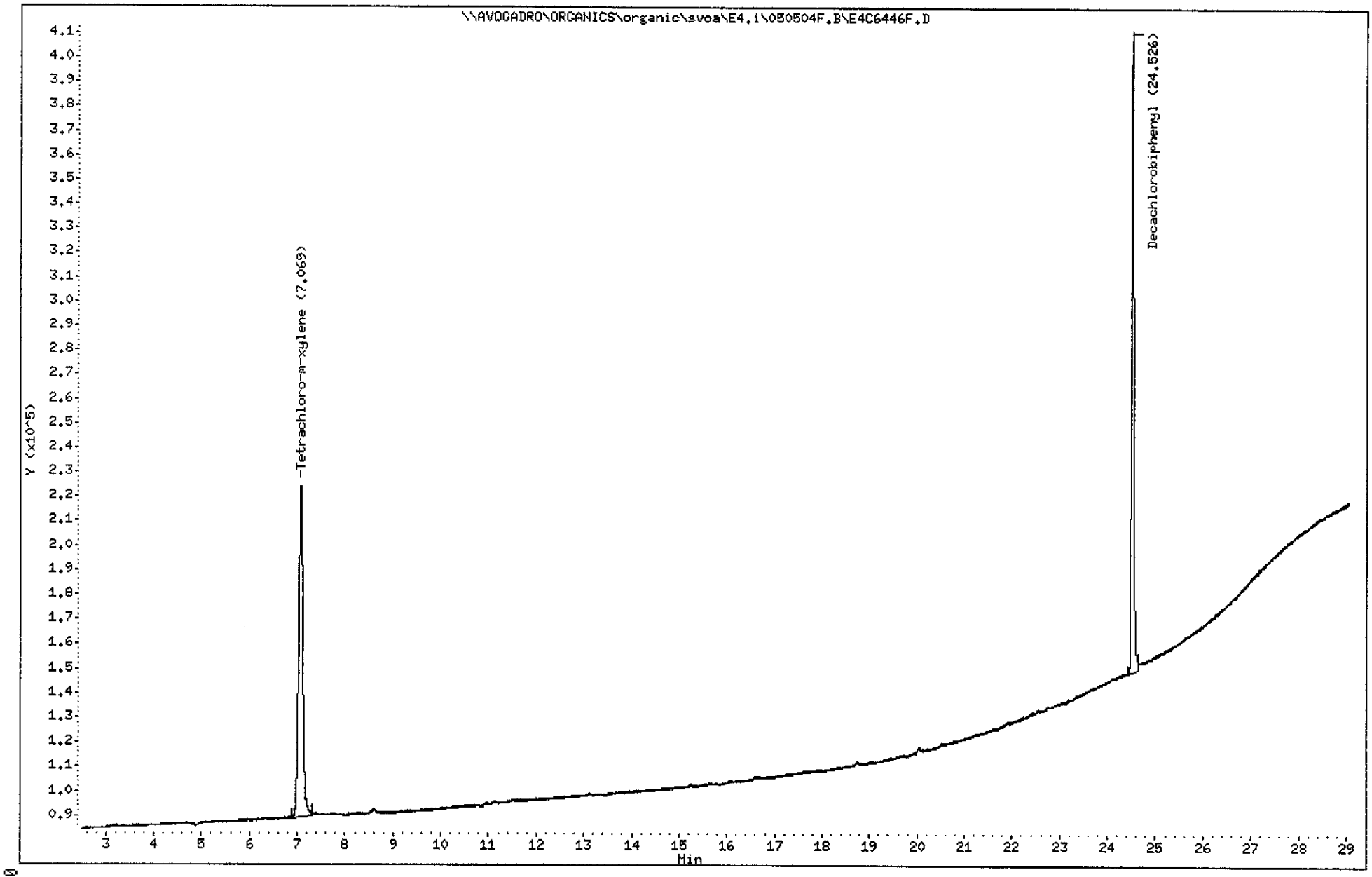
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/05/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

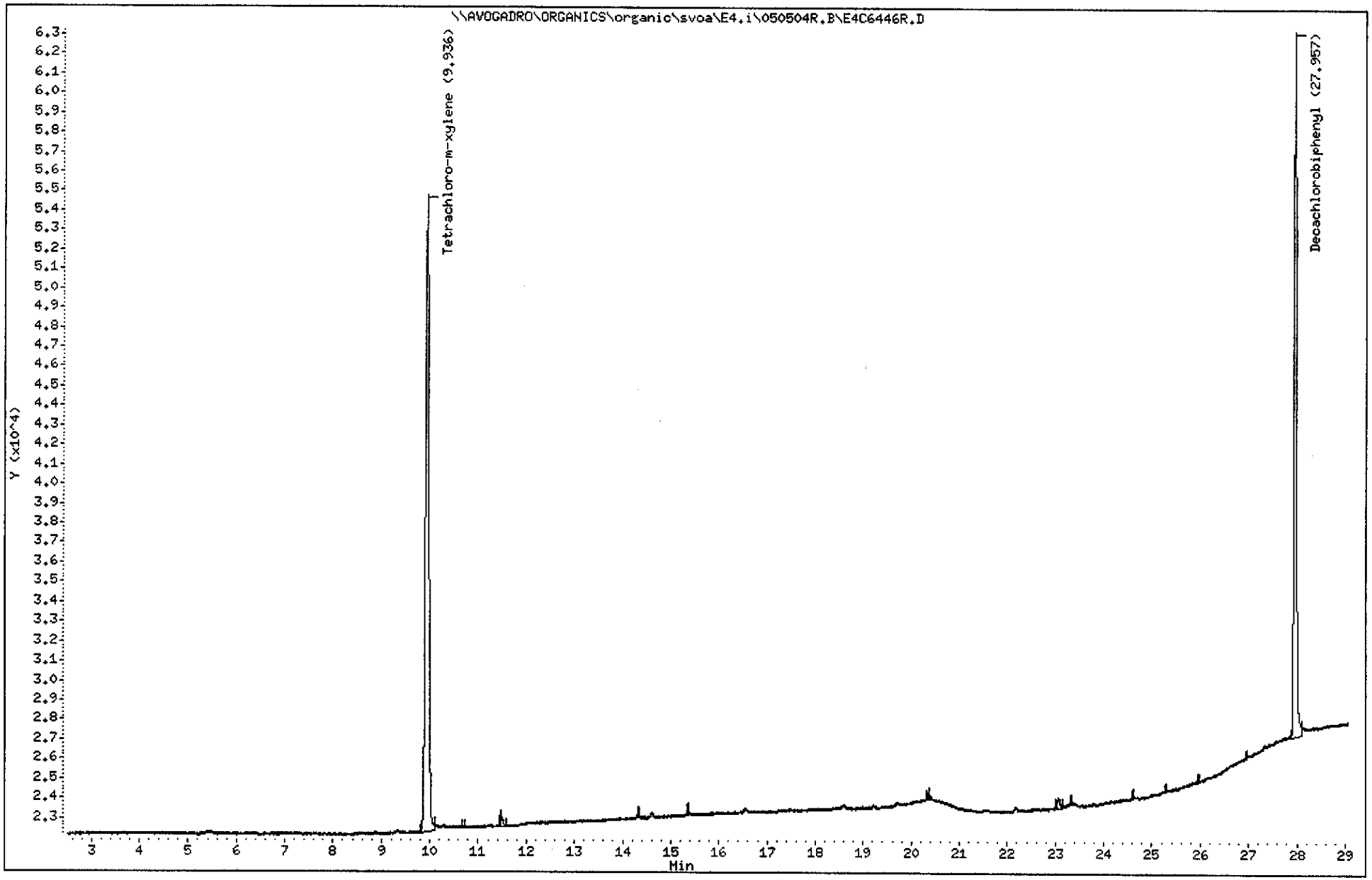
Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6446F.D
Date : 05-MAY-2005 01:27
Client ID: PIBLKC2
Instrument: E4.i
Sample Info: PIBLKC2,PIBLKC2,,,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0641

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6446R.D
Date : 05-MAY-2005 01:27
Client ID: PIBLKC2
Sample Info: PIBLKC2,PIBLKC2,,,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



Data File: E4C6446F.D
Report Date: 05-May-2005 10:09

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\E4C6446F.D
Lab Smp Id: PIBLKC2 Client Smp ID: PIBLKC2
Inj Date : 05-MAY-2005 01:27
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKC2,PIBLKC2,,,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504F.B\clp-1262e4f.m
Meth Date : 05-May-2005 09:52 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CLP.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.07	7.07	0.000	846254	0.01819	0.18		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	856626	0.01851	0.19		

SC 05/05/05

Data File: E4C6446R.D
Report Date: 05-May-2005 10:10

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\E4C6446R.D
Lab Smp Id: PIBLKC2 Client Smp ID: PIBLKC2
Inj Date : 05-MAY-2005 01:27
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKC2,PIBLKC2,,,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050504R.B\clp1262-e4r.m
Meth Date : 05-May-2005 10:06 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CLP.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	164711	0.01831	0.18		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
28.0	28.0	0.000	124502	0.01849	0.18		

SZ 05/06/05

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKCG

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCG

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6520F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKCG

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCG

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6520R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

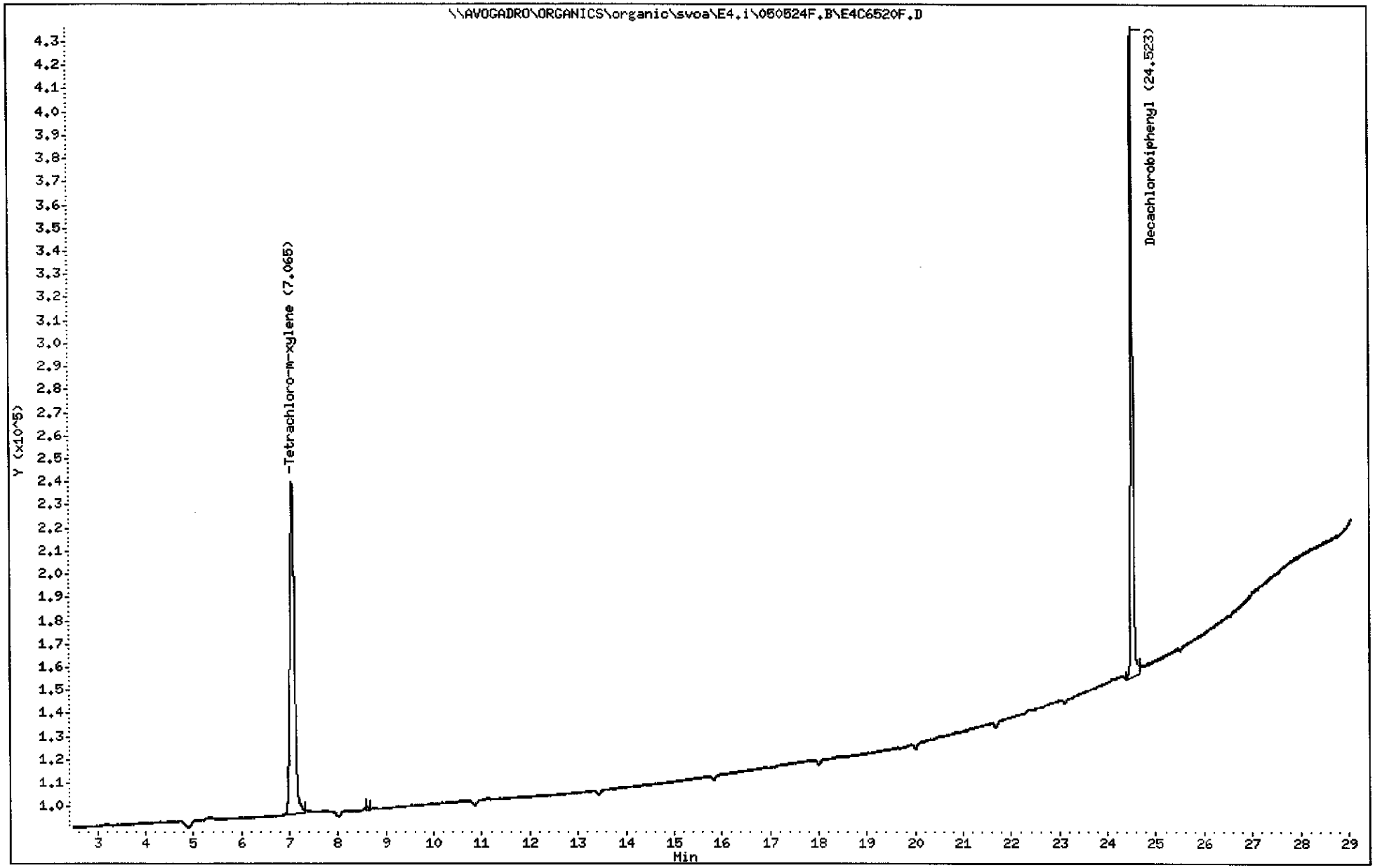
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

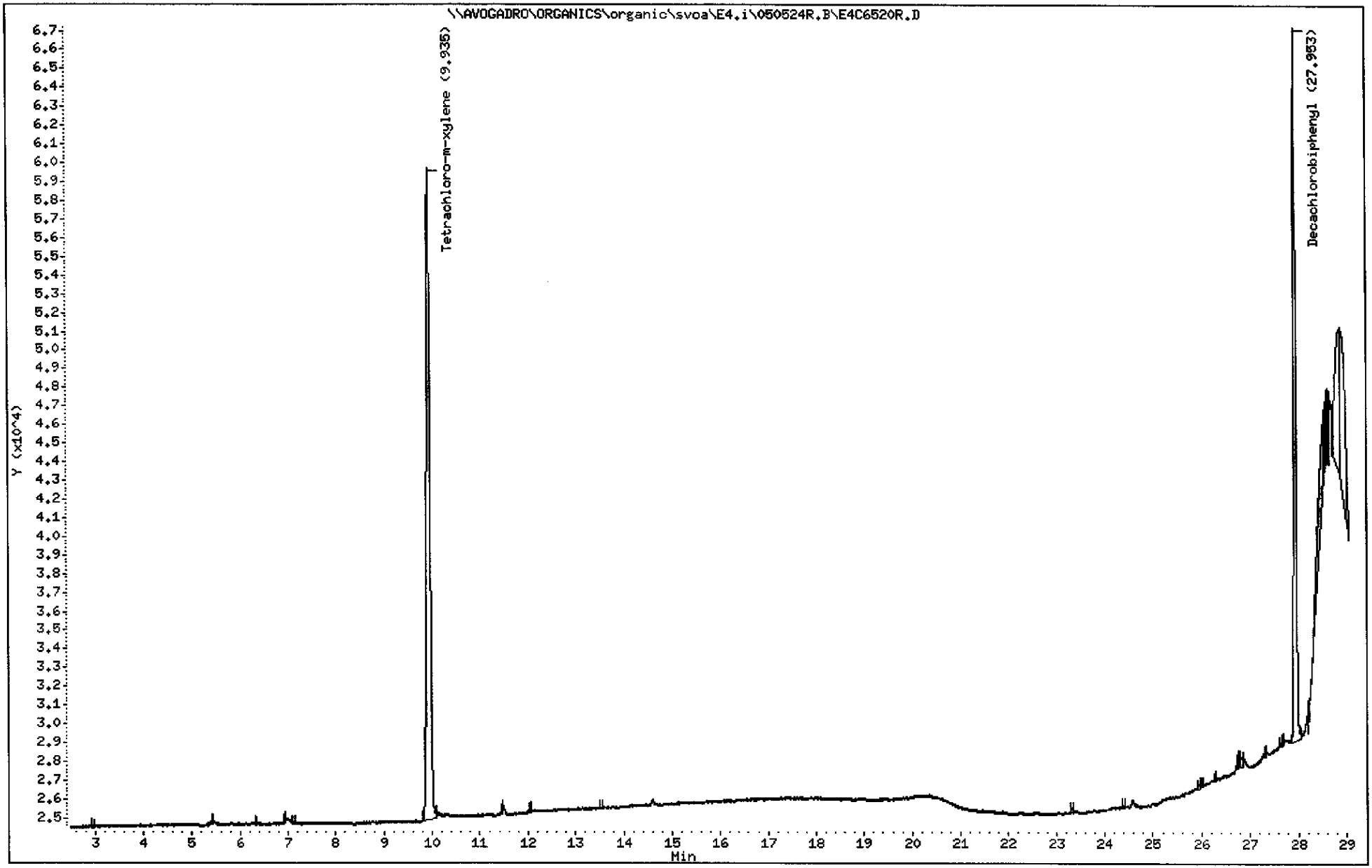
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6520F.D
Date : 26-MAY-2005 05:46
Client ID: PIBLKCG
Instrument: E4.i
Sample Info: PIBLKCG,PIBLKCG,,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0647

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6520R.D
Date : 26-MAY-2005 05:46
Client ID: PIBLKCG
Instrument: E4.i
Sample Info: PIBLKCG,PIBLKCG,,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E4C6520F.D
Report Date: 01-Jun-2005 10:27

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6520F.D
Lab Smp Id: PIBLKCG Client Smp ID: PIBLKCG
Inj Date : 26-MAY-2005 05:46
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKCG,PIBLKCG,,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$	1 Tetrachloro-m-xylene					CAS #: 877-09-8		
	7.06	7.07	-0.010	907978	0.01952	0.20		
$	2 Decachlorobiphenyl					CAS #: 2051-24-3		
	24.5	24.5	0.000	917930	0.01984	0.20		

6/1/06

Data File: E4C6520R.D
Report Date: 01-Jun-2005 10:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6520R.D
Lab Smp Id: PIBLKCG Client Smp ID: PIBLKCG
Inj Date : 26-MAY-2005 05:46
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKCG,PIBLKCG,,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1	Tetrachloro-m-xylene					CAS #: 877-09-8		
	9.93	9.94	-0.010	174719	0.01942	0.19		
$ 2	Decachlorobiphenyl					CAS #: 2051-24-3		
	28.0	28.0	0.000	129286	0.01921	0.19		

6/1/05

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKCH

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCH

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6525F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) _____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKCH

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCH

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6525R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) _____ Date Extracted: _____

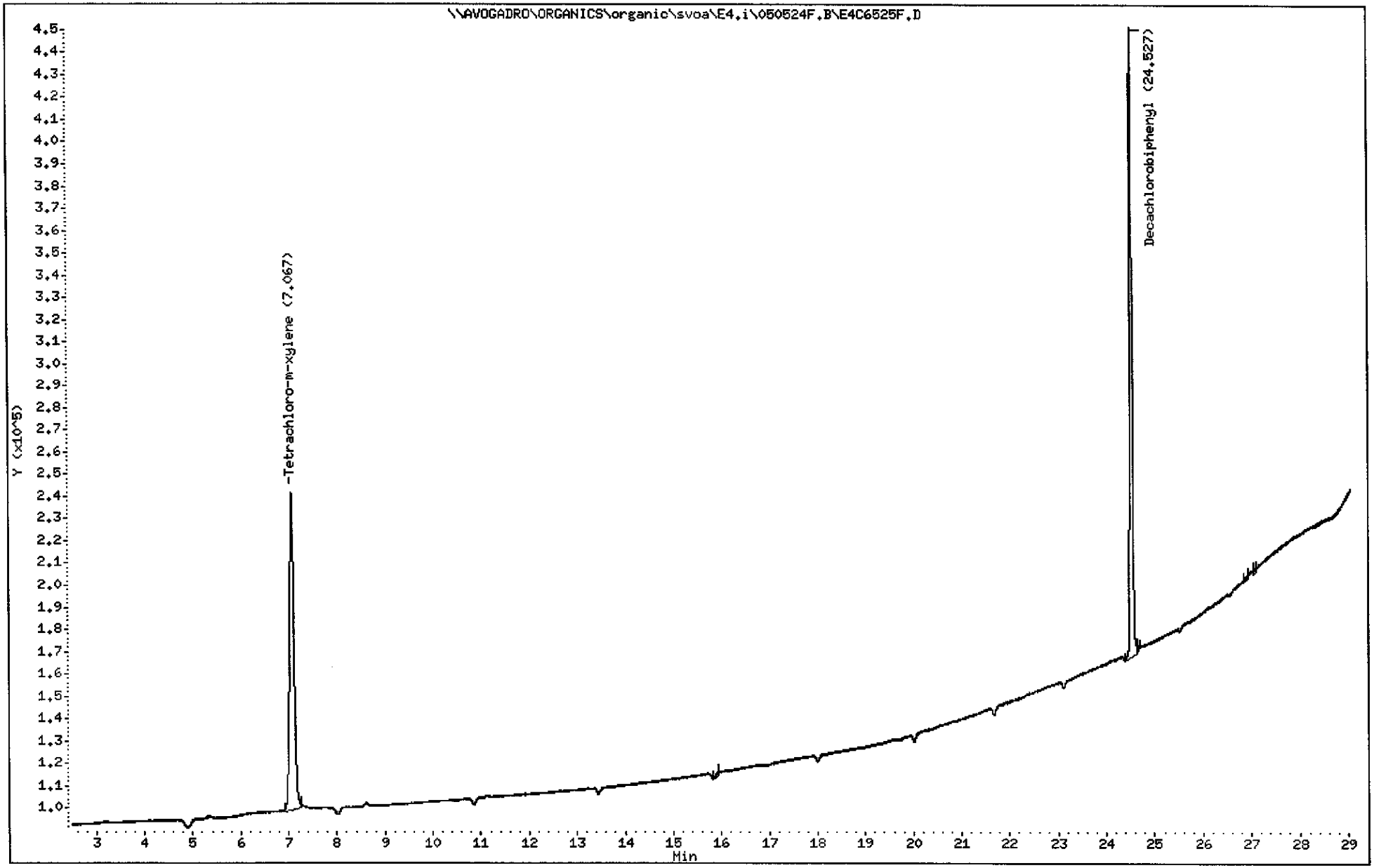
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

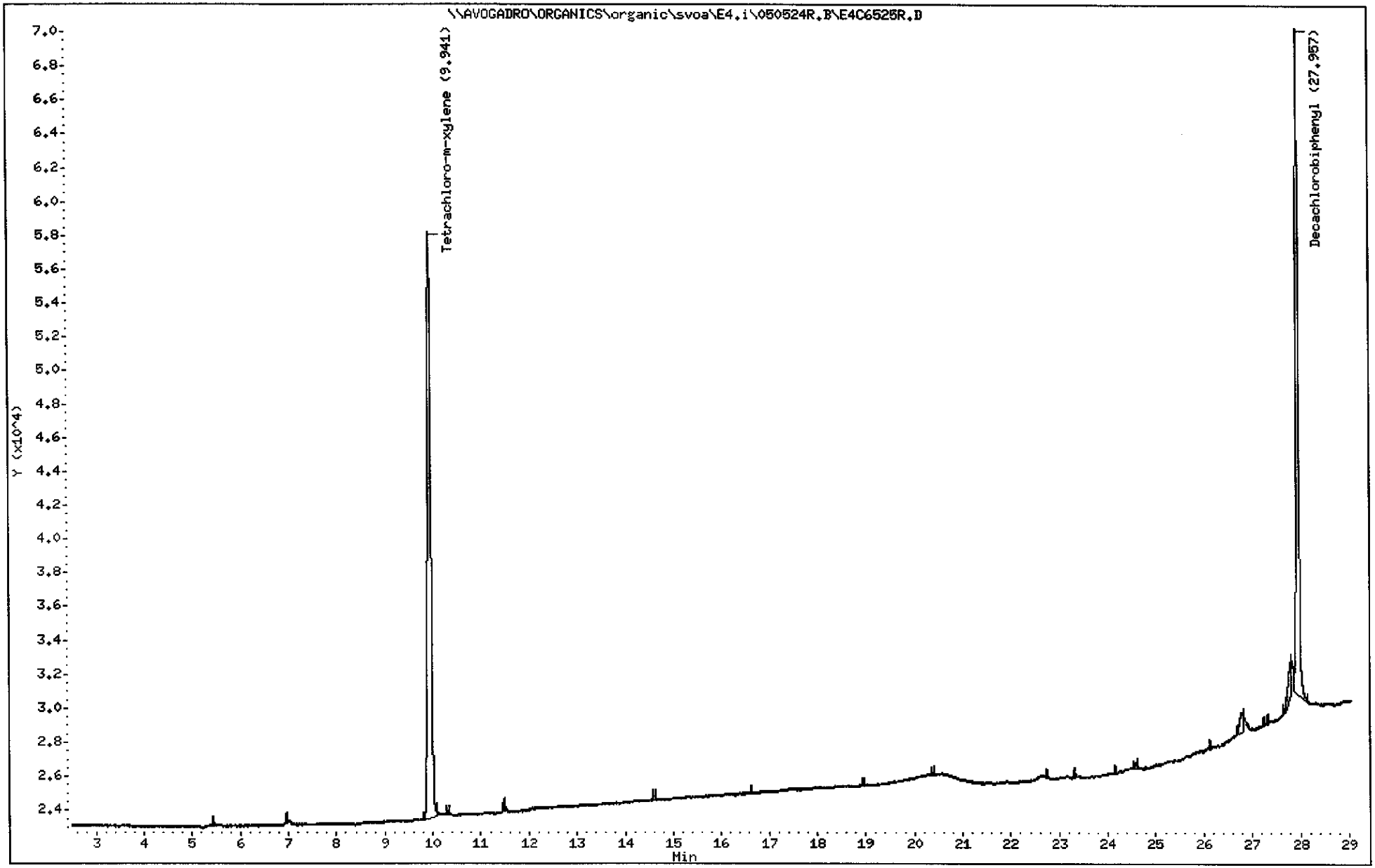
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6525F.D
Date : 26-MAY-2005 11:16
Client ID: PIBLKCH
Instrument: E4.i
Sample Info: PIBLKCH,PIBLKCH,,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0653

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6525R.D
Date : 26-MAY-2005 11:16
Client ID: PIBLKCH
Instrument: E4.i
Sample Info: PIBLKCH,PIBLKCH,,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0654

Data File: E4C6525F.D
Report Date: 01-Jun-2005 10:27

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6525F.D
Lab Smp Id: PIBLKCH Client Smp ID: PIBLKCH
Inj Date : 26-MAY-2005 11:16
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKCH,PIBLKCH,,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.07	7.07	0.000	892443	0.01918	0.19		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	931512	0.02013	0.20		

6/1/05 W

Data File: E4C6525R.D
Report Date: 01-Jun-2005 10:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6525R.D
Lab Smp Id: PIBLKCH Client Smp ID: PIBLKCH
Inj Date : 26-MAY-2005 11:16
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKCH,PIBLKCH,,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)		
RT	EXP RT	DLT RT	RESPONSE			TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	174361	0.01938	0.19		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	139432	0.02071	0.21		

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKCI

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCI

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6540F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKCI

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: PIBLKCI

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6540R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

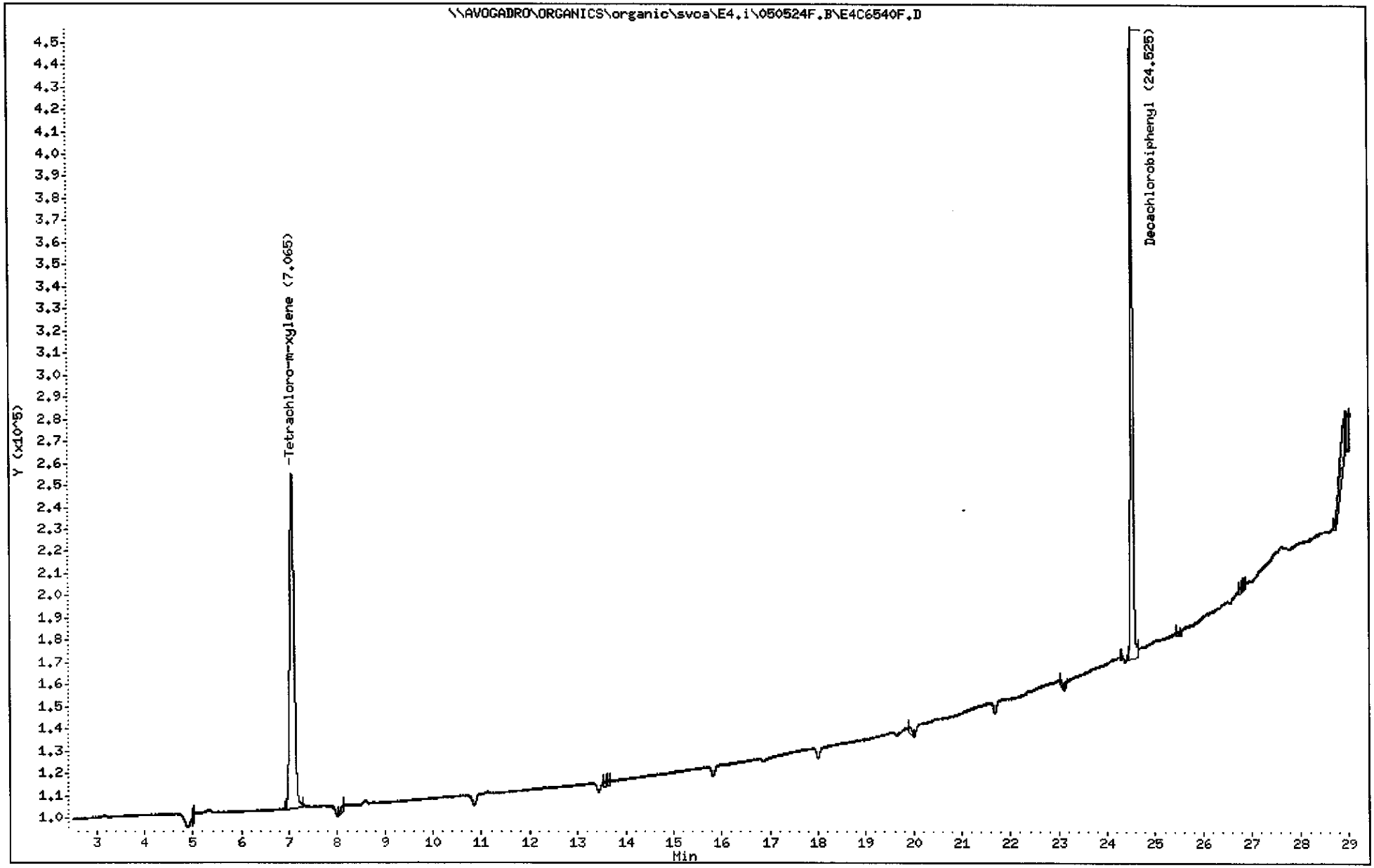
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

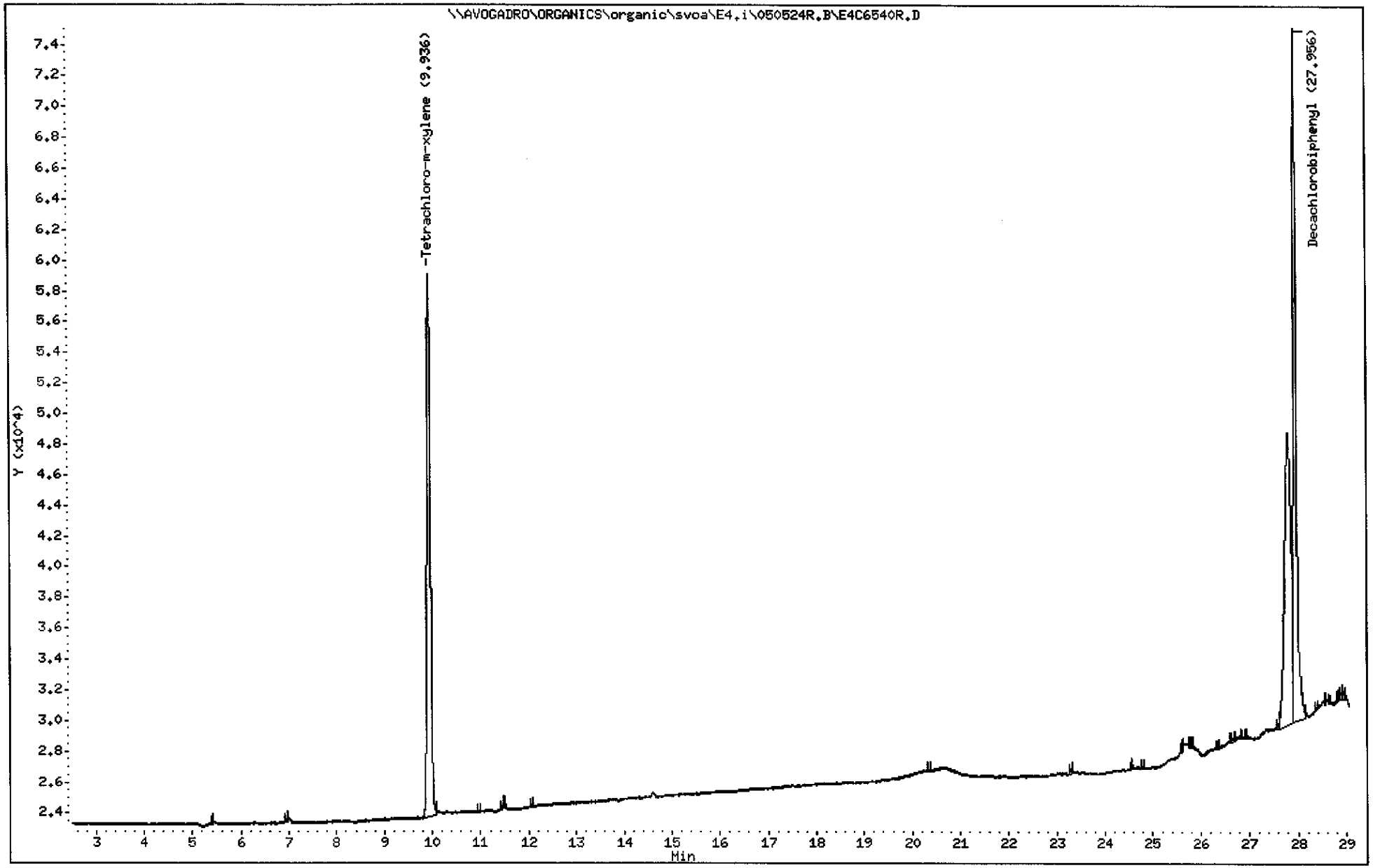
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6540F.D
Date : 26-MAY-2005 21:13
Client ID: PIBLKCI
Instrument: E4.i
Sample Info: PIBLKCI,PIBLKCI,,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



6590

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6540R.D
Date : 26-MAY-2005 21:13
Client ID: PIBLKCI
Instrument: E4.i
Sample Info: PIBLKCI,PIBLKCI,,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0990

Data File: E4C6540F.D
Report Date: 01-Jun-2005 10:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6540F.D
Lab Smp Id: PIBLKCI Client Smp ID: PIBLKCI
Inj Date : 26-MAY-2005 21:13
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKCI,PIBLKCI,,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.06	7.07	-0.010	926397	0.01991	0.20		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	926431	0.02002	0.20		

6/1/05

Data File: E4C6540R.D
Report Date: 01-Jun-2005 10:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6540R.D
Lab Smp Id: PIBLKCI Client Smp ID: PIBLKCI
Inj Date : 26-MAY-2005 21:13
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKCI,PIBLKCI,,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	177504	0.01973	0.20		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	189765	0.02819	0.28		

6/1/05

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

P4ELCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18108

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4C6523F

% Moisture: 0 Decanted: (Y/N) N Date Received: _____

Extraction: (Type) SONC Date Extracted: 05/13/05

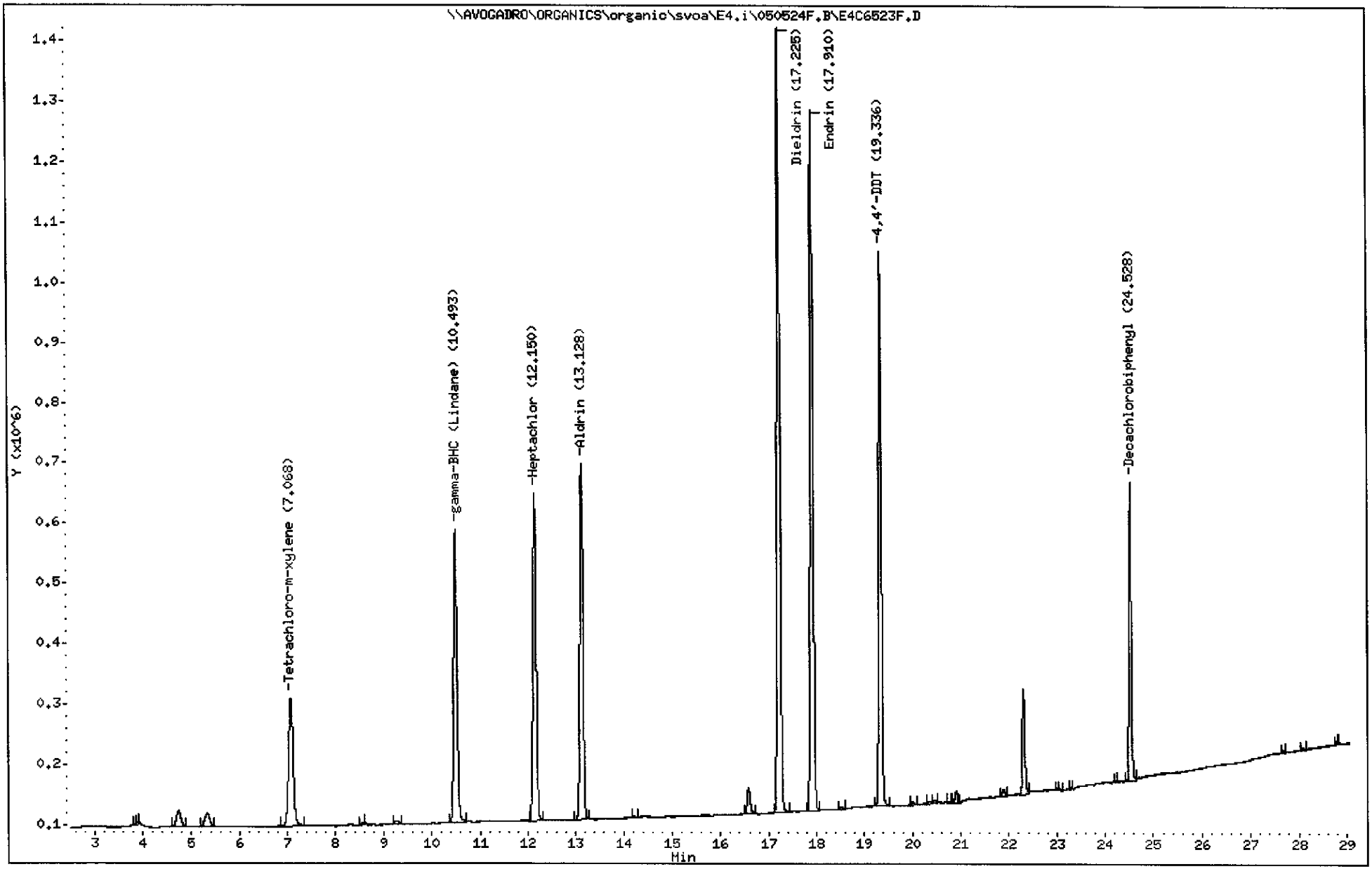
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Sulfur Cleanup: (Y/N) Y

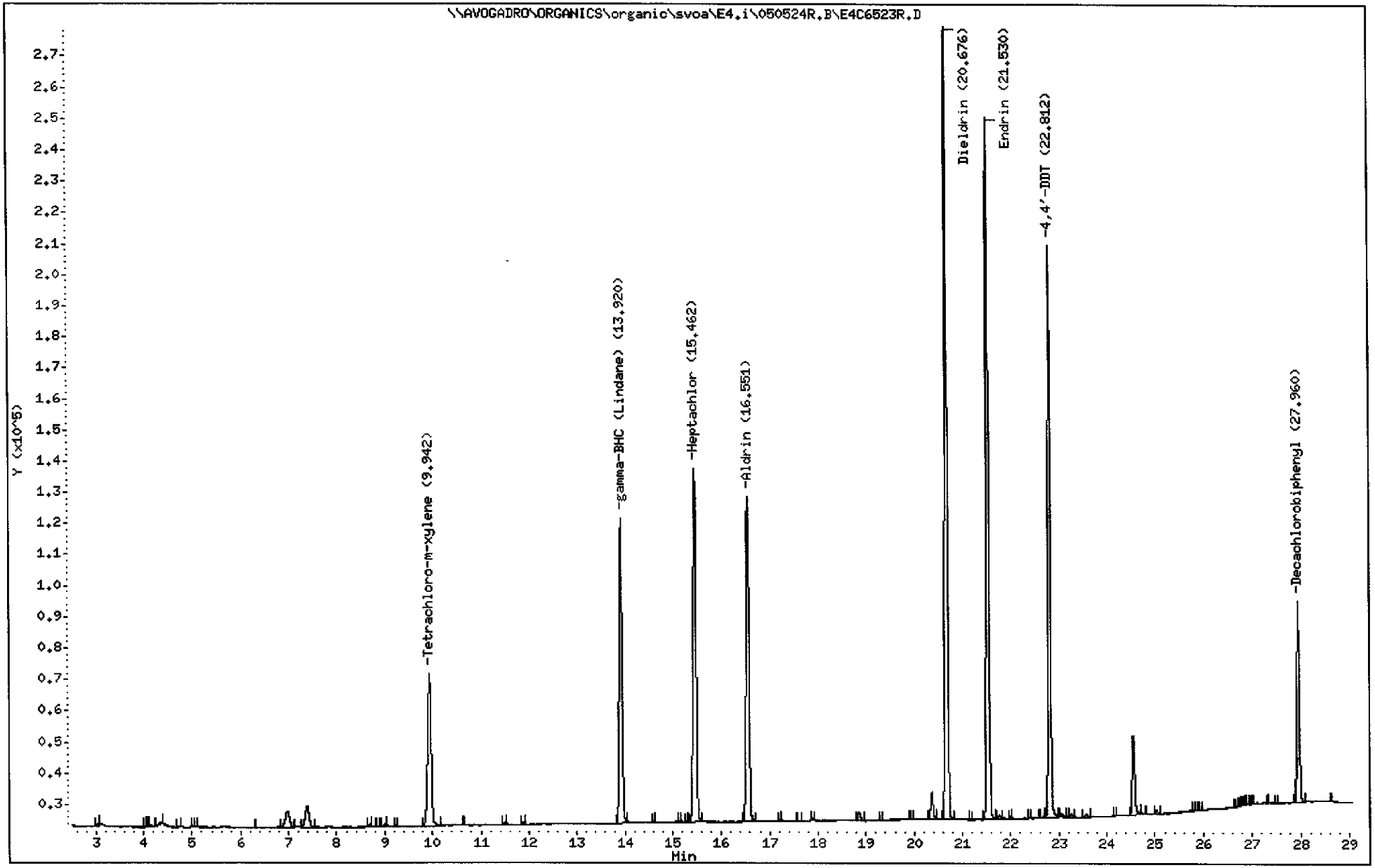
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	11	
76-44-8	Heptachlor	12	
309-00-2	Aldrin	14	
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	26	
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	28	
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	24	
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6523F.D
Date : 26-MAY-2005 10:03
Client ID: P4ELCS
Instrument: E4.i
Sample Info: LCS-18108,P4ELCS,18108,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



0664

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6523R.D
Date : 26-MAY-2005 10:03
Client ID: P4ELCS
Instrument: E4.i
Sample Info: LCS-18108,P4ELCS,18108,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



0665

Data File: E4C6523F.D
Report Date: 01-Jun-2005 10:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6523F.D
Lab Smp Id: LCS-18108 Client Smp ID: P4ELCS
Inj Date : 26-MAY-2005 10:03
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : LCS-18108,P4ELCS,18108,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: SOIL
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.000	% Moisture

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.07	7.07	0.000	1303182	0.02801	9.3		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	1503762	0.03250	11		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
10.5	10.5	0.000	2301197	0.03296	11		
5 Heptachlor						CAS #: 76-44-8	
12.2	12.1	0.100	2480056	0.03637	12		

Data File: E4C6523F.D
Report Date: 01-Jun-2005 10:25

				CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
RT	EXP RT	DLT RT	RESPONSE				
==	======	========	========	=======	=======	==========	=====
6 Aldrin					CAS #: 309-00-2		
13.1	13.1	0.000	2568659	0.04107	14		
14 Dieldrin					CAS #: 60-57-1		
17.2	17.2	0.000	5194650	0.07831	26		
15 Endrin					CAS #: 72-20-8		
17.9	17.9	0.000	4685429	0.08510	28		
18 4,4'-DDT					CAS #: 50-29-3		
19.3	19.3	0.000	3439251	0.07269	24		

Data File: E4C6523R.D
Report Date: 01-Jun-2005 10:26

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6523R.D
Lab Smp Id: LCS-18108 Client Smp ID: P4ELCS
Inj Date : 26-MAY-2005 10:03
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : LCS-18108,P4ELCS,18108,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: SOIL
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.000	% Moisture

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	247806	0.02754		9.2	
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	212744	0.03160		11	
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
13.9	13.9	0.000	378805	0.03231		11	
5 Heptachlor						CAS #: 76-44-8	
15.5	15.5	0.000	456655	0.03641		12	

Data File: E4C6523R.D
Report Date: 01-Jun-2005 10:26

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
6 Aldrin						CAS #: 309-00-2	
16.6	16.5	0.100	409228	0.04126	14		
14 Dieldrin						CAS #: 60-57-1	
20.7	20.7	0.000	845940	0.08220	27		
15 Endrin						CAS #: 72-20-8	
21.5	21.5	0.000	725623	0.09196	31		
18 4,4'-DDT						CAS #: 50-29-3	
22.8	22.8	0.000	555578	0.07956	27		

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

P4FLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: LCS-18090

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6533F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 05/12/05

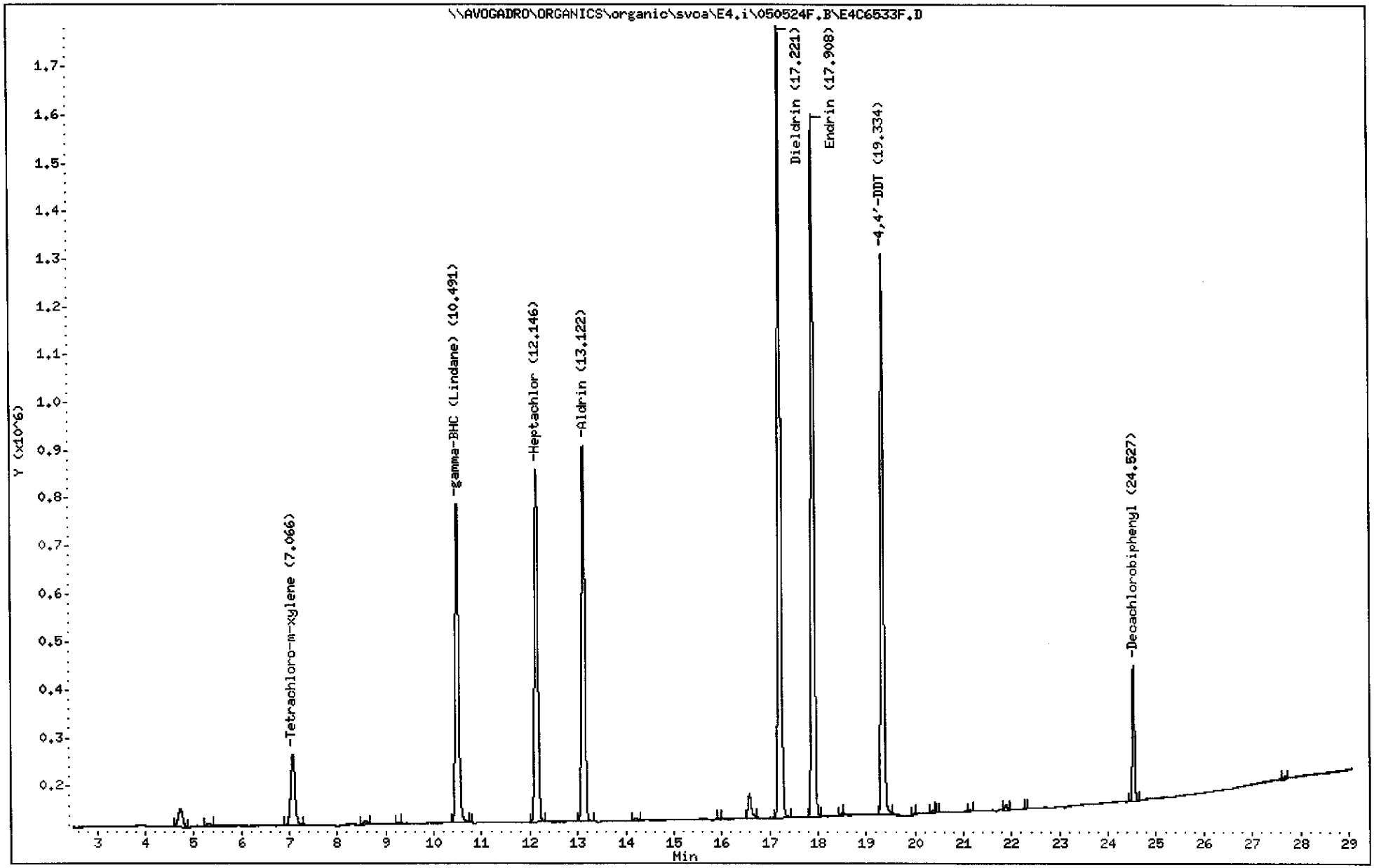
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

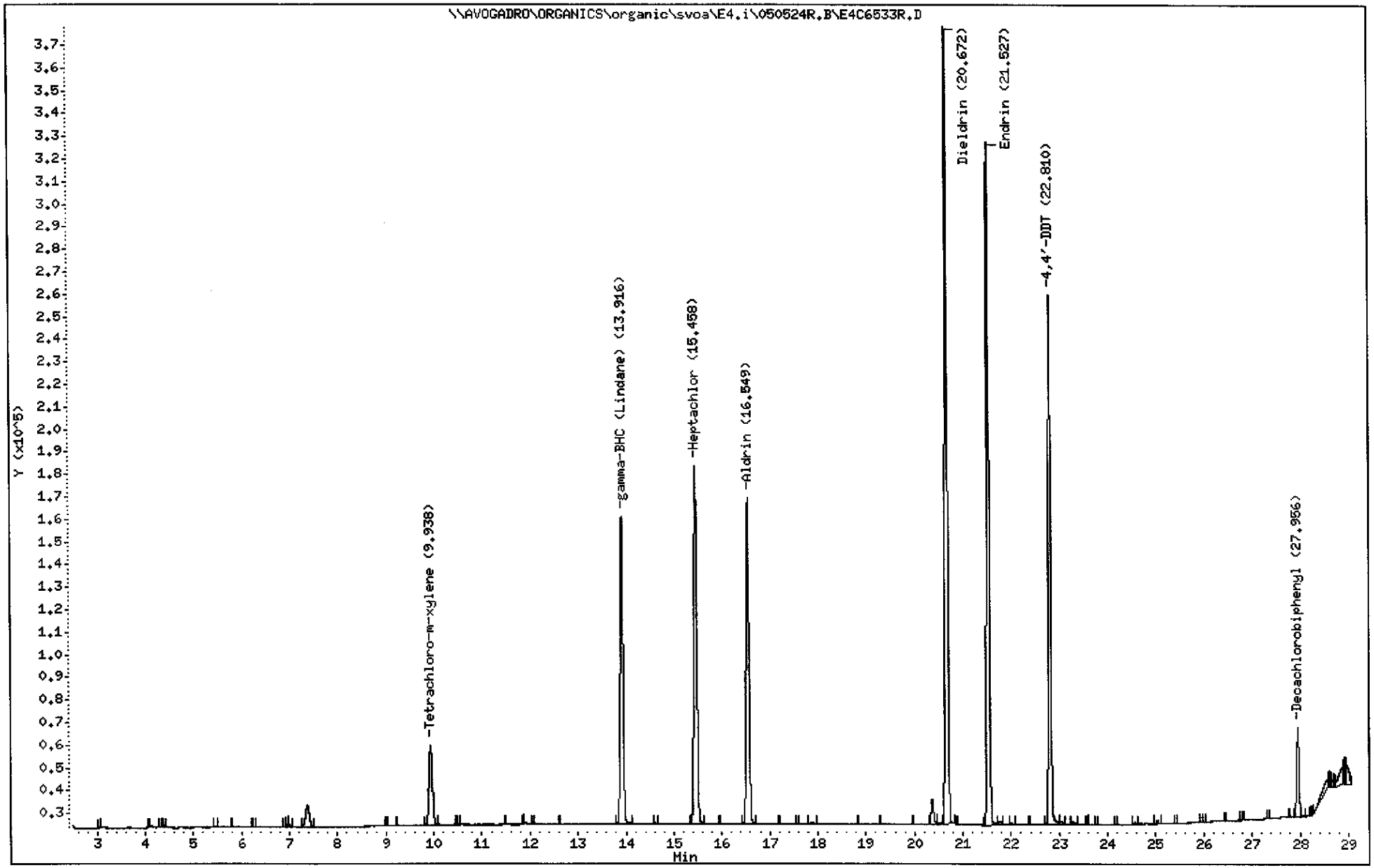
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.45	
76-44-8	Heptachlor	0.49	
309-00-2	Aldrin	0.55	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.99	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	1.1	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.96	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6533F.D
Date : 26-MAY-2005 16:59
Client ID: P4FLCS
Instrument: E4.i
Sample Info: LCS-18090,P4FLCS,18090,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



0671

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6533R.D
Date : 26-MAY-2005 16:59
Client ID: P4FLCS
Instrument: E4.i
Sample Info: LCS-18090,P4FLCS,18090,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



0672

Data File: E4C6533F.D
Report Date: 01-Jun-2005 10:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6533F.D
Lab Smp Id: LCS-18090 Client Smp ID: P4FLCS
Inj Date : 26-MAY-2005 16:59
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : LCS-18090,P4FLCS,18090,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.07	7.07	0.000	895368	0.01925	0.19		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	894281	0.01933	0.19		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
10.5	10.5	0.000	3155400	0.04519	0.45		
5 Heptachlor						CAS #: 76-44-8	
12.1	12.1	0.000	3344406	0.04904	0.49		

Data File: E4C6533F.D
Report Date: 01-Jun-2005 10:25

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
6 Aldrin						CAS #: 309-00-2	
13.1	13.1	0.000	3458160	0.05530	0.55		
14 Dieldrin						CAS #: 60-57-1	
17.2	17.2	0.000	6567867	0.09901	0.99		
15 Endrin						CAS #: 72-20-8	
17.9	17.9	0.000	5969248	0.10842	1.1		
18 4,4'-DDT						CAS #: 50-29-3	
19.3	19.3	0.000	4525925	0.09566	0.96		

Data File: E4C6533R.D
Report Date: 01-Jun-2005 10:26

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6533R.D
Lab Smp Id: LCS-18090 Client Smp ID: P4FLCS
Inj Date : 26-MAY-2005 16:59
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : LCS-18090,P4FLCS,18090,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	176031	0.01957	0.20		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	130084	0.01932	0.19		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
13.9	13.9	0.000	528637	0.04509	0.45		
5 Heptachlor						CAS #: 76-44-8	
15.5	15.5	0.000	632751	0.05045	0.50		

6/1/05

Data File: E4C6533R.D
Report Date: 01-Jun-2005 10:26

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
6 Aldrin					CAS #: 309-00-2		
16.5	16.5	0.000	562160	0.05667	0.57		
14 Dieldrin					CAS #: 60-57-1		
20.7	20.7	0.000	1175244	0.11419	1.1		
15 Endrin					CAS #: 72-20-8		
21.5	21.5	0.000	966337	0.12247	1.2		(R)
18 4,4'-DDT					CAS #: 50-29-3		
22.8	22.8	0.000	714042	0.10225	1.0		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

P4FLCSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) WATER Lab Sample ID: LCSD-18090

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6534F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 05/12/05

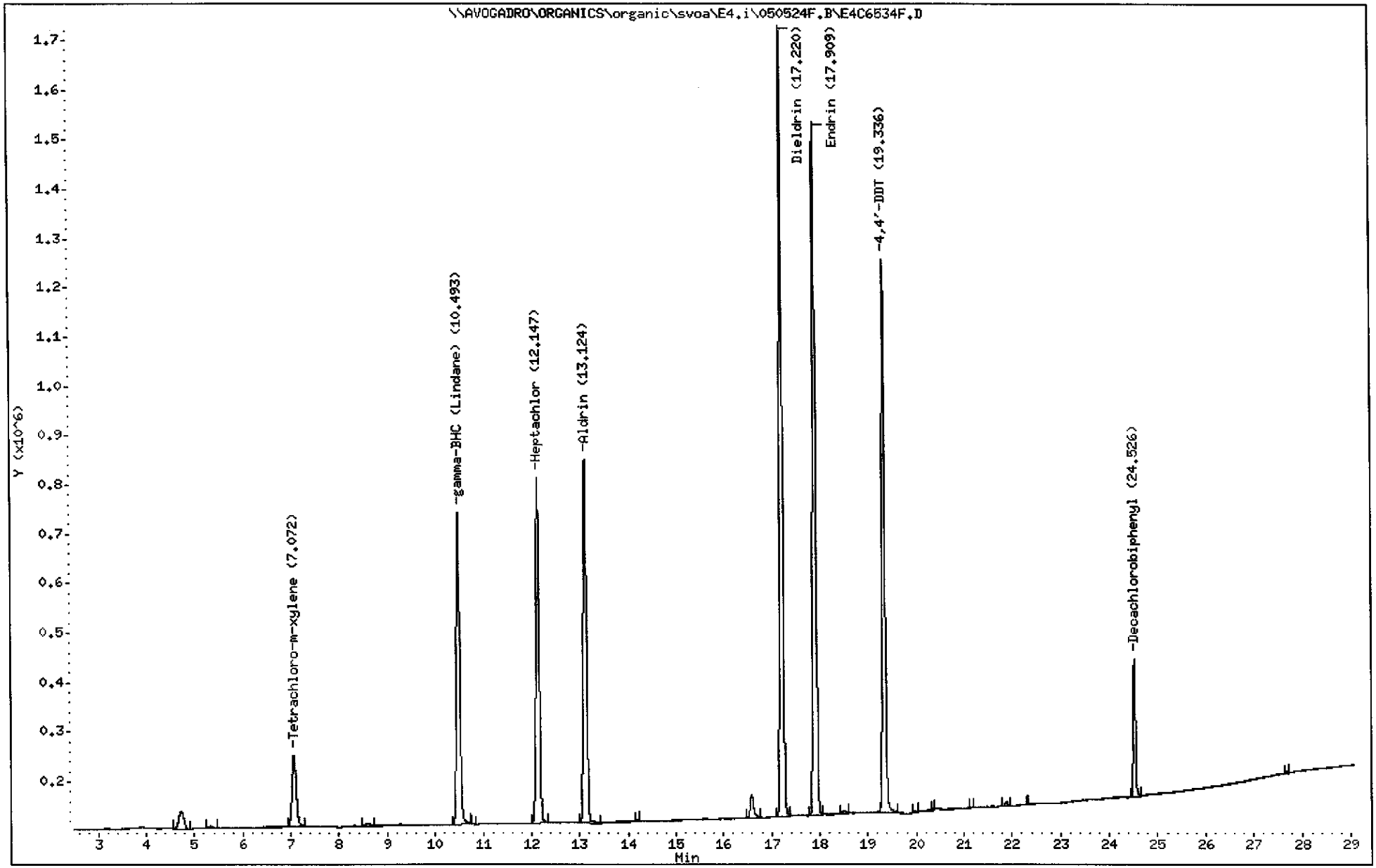
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

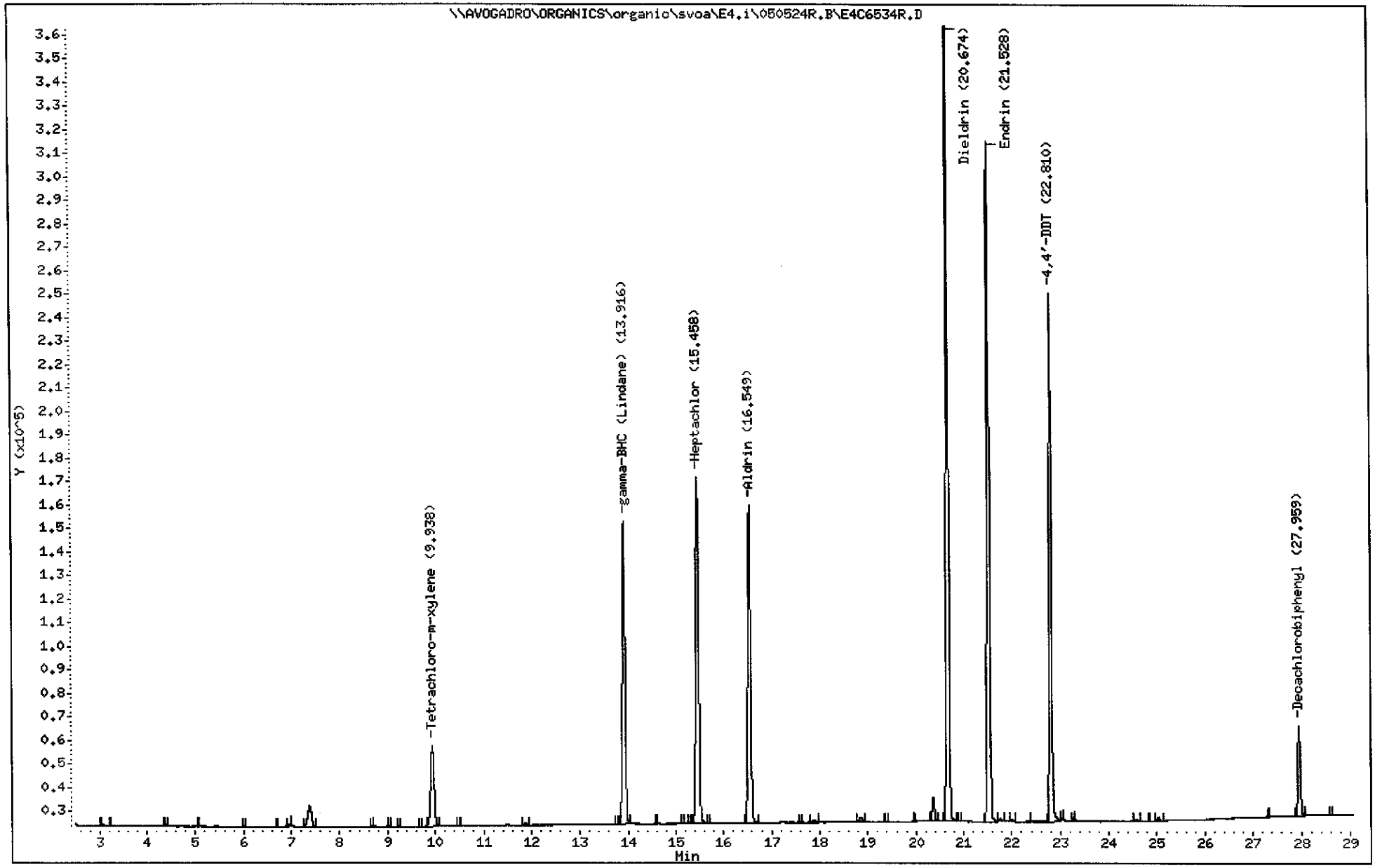
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.43	
76-44-8	Heptachlor	0.47	
309-00-2	Aldrin	0.53	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.96	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	1.0	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.91	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6534F.D
Date : 26-MAY-2005 17:35
Client ID: P4FLCSD
Instrument: E4.i
Sample Info: LCSD-18090,P4FLCS,18090,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



8678

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6534R.D
Date : 26-MAY-2005 17:35
Client ID: P4FLCSD
Instrument: E4.i
Sample Info: LCSD-18090,P4FLCS,18090,clp.sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



6790

Data File: E4C6534F.D
Report Date: 01-Jun-2005 10:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6534F.D
Lab Smp Id: LCSD-18090 Client Smp ID: P4FLCSD
Inj Date : 26-MAY-2005 17:35
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : LCSD-18090,P4FLCS,18090,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 10 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.07	7.07	0.000	880903	0.01894	0.19		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	878771	0.01899	0.19		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
10.5	10.5	0.000	3007858	0.04308	0.43		
5 Heptachlor						CAS #: 76-44-8	
12.1	12.1	0.000	3174714	0.04655	0.47		

Data File: E4C6534F.D
Report Date: 01-Jun-2005 10:25

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
6 Aldrin						CAS #: 309-00-2	
13.1	13.1	0.000	3288142	0.05258	0.53		
14 Dieldrin						CAS #: 60-57-1	
17.2	17.2	0.000	6340619	0.09558	0.96		
15 Endrin						CAS #: 72-20-8	
17.9	17.9	0.000	5767398	0.10475	1.0		
18 4,4'-DDT						CAS #: 50-29-3	
19.3	19.3	0.000	4325278	0.09142	0.91		

Data File: E4C6534R.D
Report Date: 01-Jun-2005 10:26

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6534R.D
Lab Smp Id: LCSD-18090 Client Smp ID: P4FLCSD
Inj Date : 26-MAY-2005 17:35
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : LCSD-18090,P4FLCS,18090,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 10 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	171635	0.01908	0.19		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	128717	0.01912	0.19		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
13.9	13.9	0.000	500216	0.04266	0.43		
5 Heptachlor						CAS #: 76-44-8	
15.5	15.5	0.000	598359	0.04771	0.48		

6/1/05

Data File: E4C6534R.D
Report Date: 01-Jun-2005 10:26

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
6 Aldrin						CAS #: 309-00-2	
16.5	16.5	0.000	526989	0.05313	0.53		
14 Dieldrin						CAS #: 60-57-1	
20.7	20.7	0.000	1129715	0.10977	1.1		
15 Endrin						CAS #: 72-20-8	
21.5	21.5	0.000	929270	0.11777	1.2		
18 4,4'-DDT						CAS #: 50-29-3	
22.8	22.8	0.000	681480	0.09759	0.98		

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01AMS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4C6537F

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/05

Extraction: (Type) SONC Date Extracted: 05/13/05

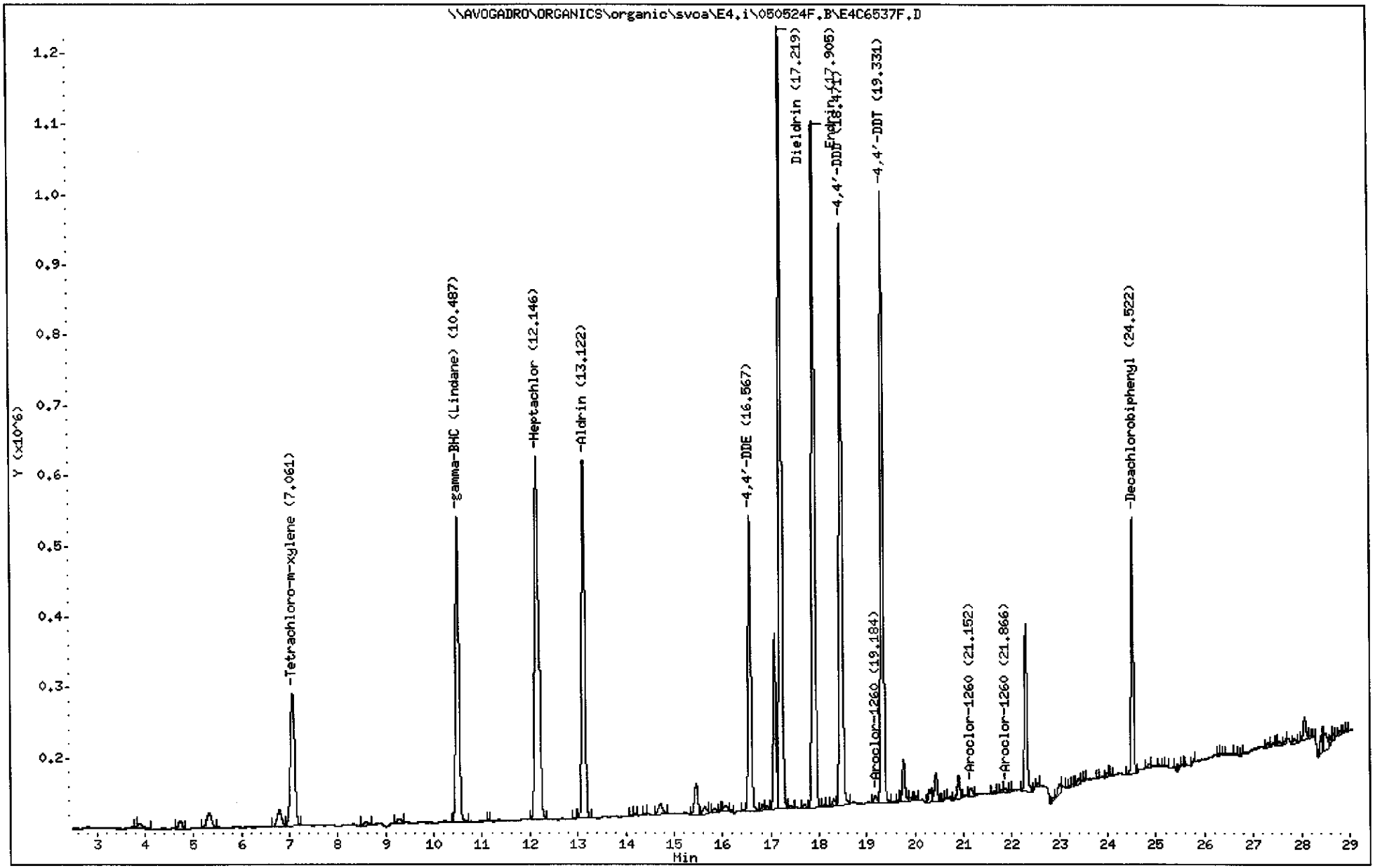
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Sulfur Cleanup: (Y/N) Y

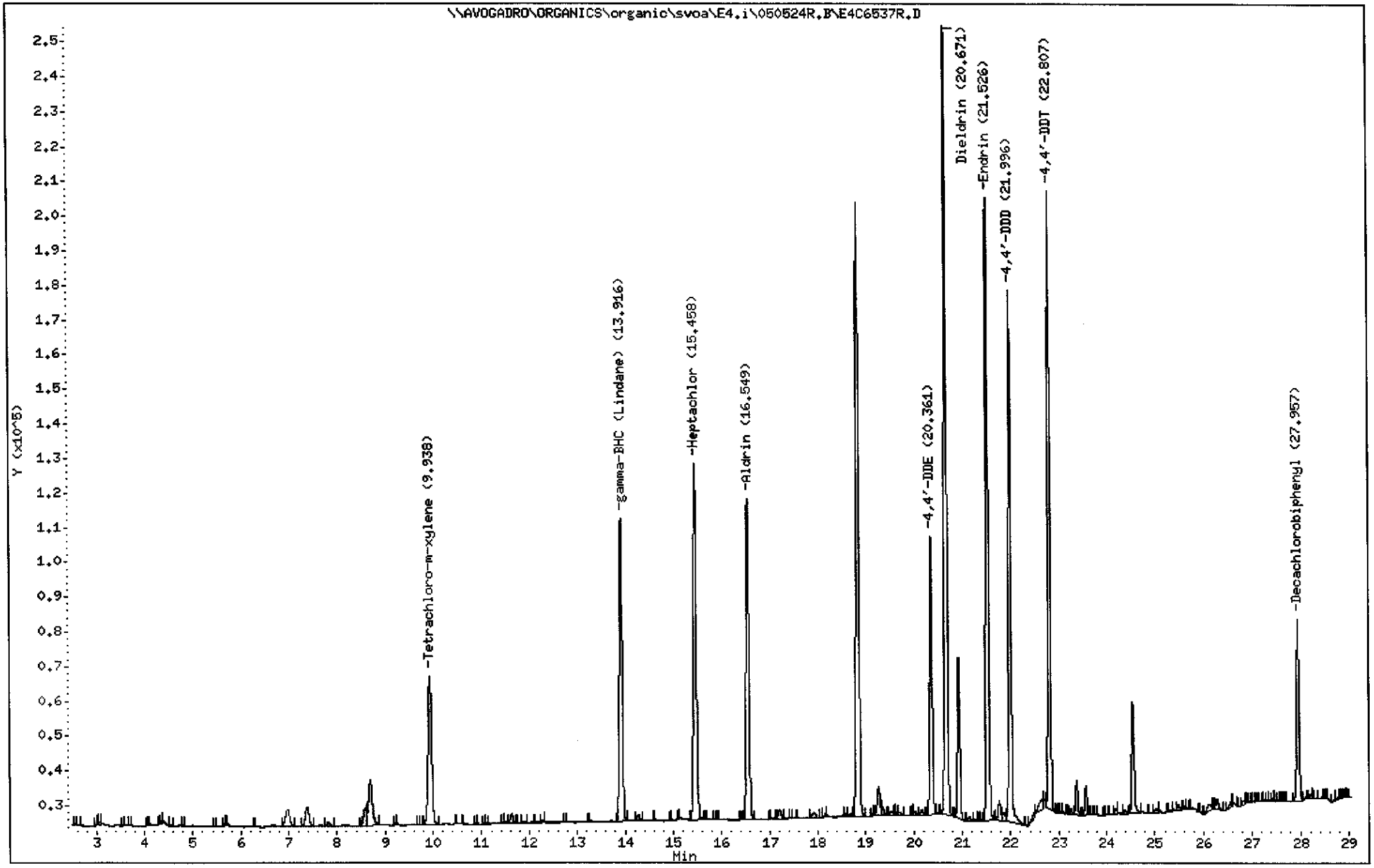
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	12	
76-44-8	Heptachlor	13	P
309-00-2	Aldrin	14	
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	26	
72-55-9	4,4'-DDE	11	
72-20-8	Endrin	29	
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	27	
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	26	
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6537F.D
Date : 26-MAY-2005 19:24
Client ID: B-390MS
Instrument: E4.i
Sample Info: D0529-01BMS,,18108,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



0685

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6537R.D
Date : 26-MAY-2005 19:24
Client ID: B-390MS
Instrument: E4.i
Sample Info: D0529-01BMS,,18108,clp.sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



9890

Data File: E4C6537F.D
Report Date: 01-Jun-2005 10:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6537F.D
Lab Smp Id: D0529-01AMS Client Smp ID: B-390MS
Inj Date : 26-MAY-2005 19:24
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0529-01BMS,,18108,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 6 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: SOIL
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	17.000	% Moisture

				CONCENTRATIONS ON-COL	FINAL		
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
$	1 Tetrachloro-m-xylene					CAS #: 877-09-8		
	7.06	7.07	-0.010	1101311	0.02367	9.5		
$	2 Decachlorobiphenyl					CAS #: 2051-24-3		
	24.5	24.5	0.000	1110304	0.02400	9.6		
	4 gamma-BHC (Lindane)					CAS #: 58-89-9		
	10.5	10.5	0.000	2016754	0.02888	12		
	5 Heptachlor					CAS #: 76-44-8		
	12.1	12.1	0.000	3024510	0.04435	18		

Data File: E4C6537F.D
Report Date: 01-Jun-2005 10:25

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
6 Aldrin					CAS #: 309-00-2		
13.1	13.1	0.000	2211774	0.03537	14		
13 4,4'-DDE					CAS #: 72-55-9		
16.6	16.6	0.000	1647048	0.02811	11		
14 Dieldrin					CAS #: 60-57-1		
17.2	17.2	0.000	4339913	0.06542	26		
15 Endrin					CAS #: 72-20-8		
17.9	17.9	0.000	3980395	0.07229	29		
16 4,4'-DDD					CAS #: 72-54-8		
18.5	18.5	0.000	3259262	0.06625	27		
18 4,4'-DDT					CAS #: 50-29-3		
19.3	19.3	0.000	3075022	0.06500	26		

Data File: E4C6537R.D
Report Date: 01-Jun-2005 10:26

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6537R.D
Lab Smp Id: D0529-01AMS Client Smp ID: B-390MS
Inj Date : 26-MAY-2005 19:24
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0529-01BMS,,18108,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 6 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: SOIL
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	17.000	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	216082	0.02402	9.6		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	174279	0.02589	10		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
13.9	13.9	0.000	337394	0.02878	12		
5 Heptachlor						CAS #: 76-44-8	
15.5	15.5	0.000	414915	0.03308	13		

Data File: E4C6537R.D
Report Date: 01-Jun-2005 10:26

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
6 Aldrin					CAS #: 309-00-2		
16.5	16.5	0.000	361852	0.03648	15		
13 4,4'-DDE					CAS #: 72-55-9		
20.4	20.4	0.000	264938	0.03060	12		
14 Dieldrin					CAS #: 60-57-1		
20.7	20.7	0.000	763438	0.07418	30		
15 Endrin					CAS #: 72-20-8		
21.5	21.5	0.000	582720	0.07385	30		
16 4,4'-DDD					CAS #: 72-54-8		
22.0	22.0	0.000	486936	0.07623	31		
18 4,4'-DDT					CAS #: 50-29-3		
22.8	22.8	0.000	527767	0.07557	30		

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-390MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: D0529

Matrix: (soil/water) SOIL Lab Sample ID: D0529-01AMSD

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E4C6538F

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/05

Extraction: (Type) SONC Date Extracted: 05/13/05

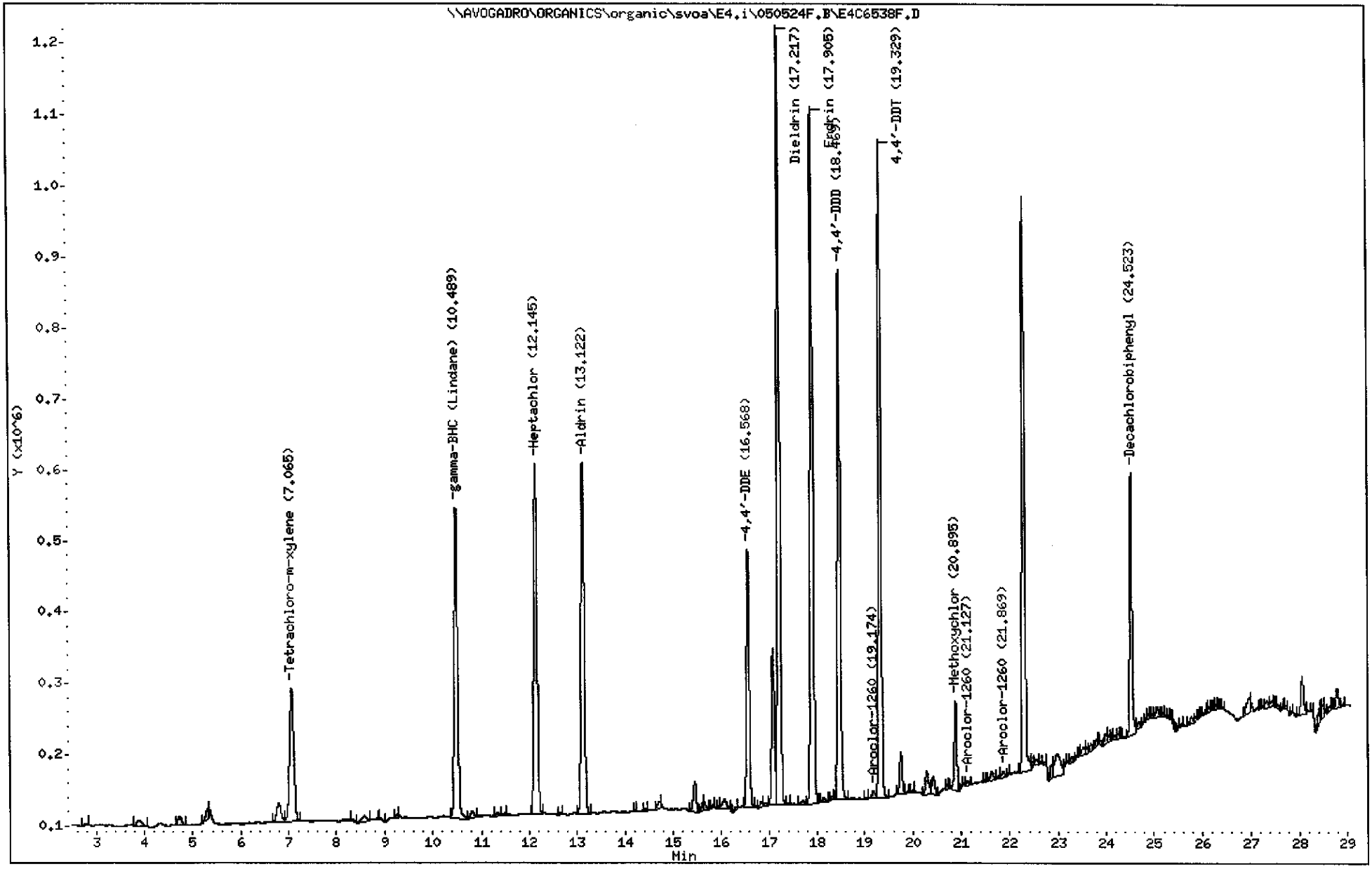
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/26/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	12	
76-44-8	Heptachlor	13	
309-00-2	Aldrin	14	
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	26	
72-55-9	4,4'-DDE	9.5	
72-20-8	Endrin	29	
33213-65-9	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	24	
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	29	
72-43-5	Methoxychlor	7.4	JP
53494-70-5	Endrin ketone	4.0	U
7421-93-4	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6538F.D
Date : 26-MAY-2005 20:00
Client ID: B-390MSD
Instrument: E4.i
Sample Info: D0529-01BMSD,,18108,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



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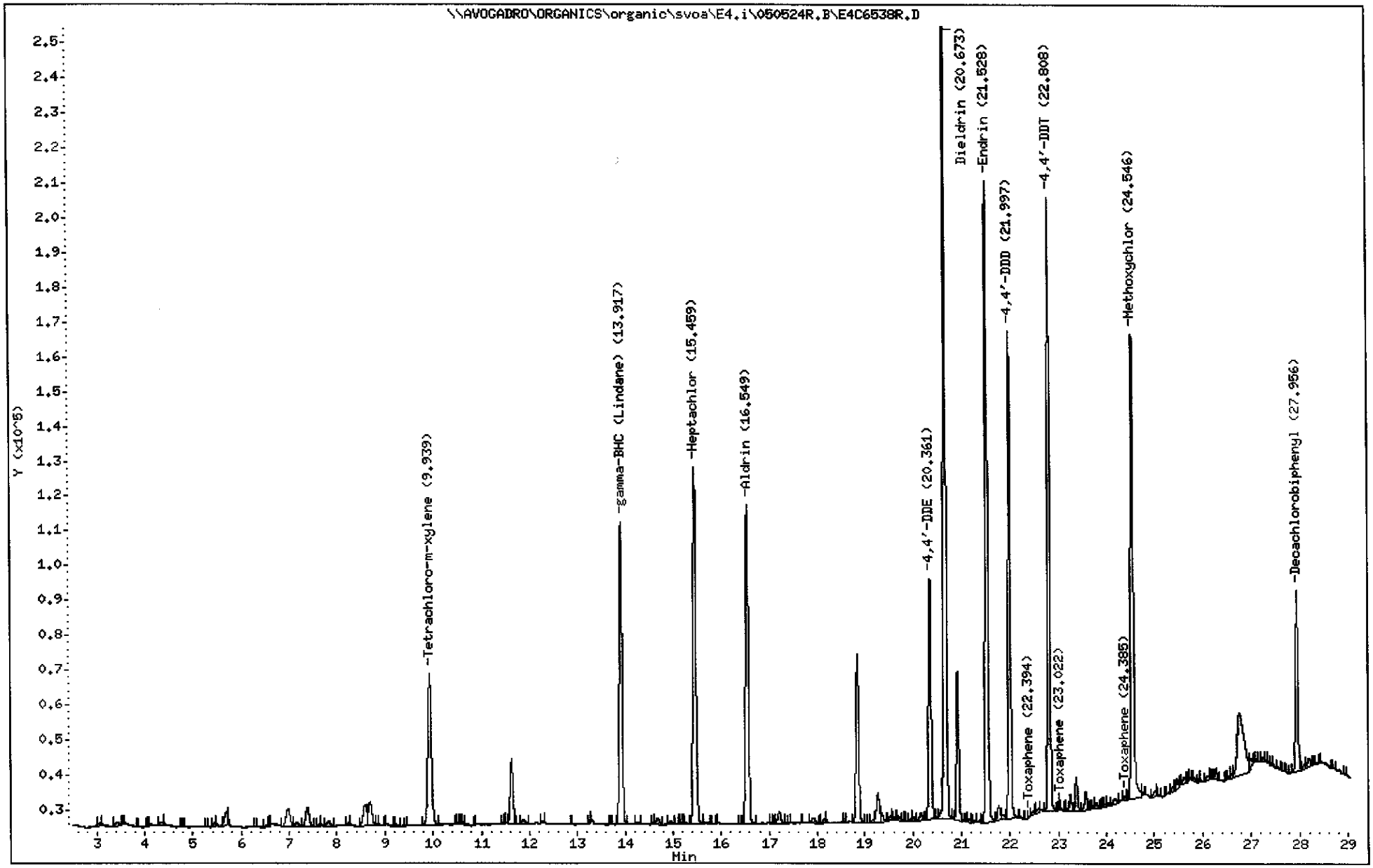
Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6538R.D
Date : 26-MAY-2005 20:00
Client ID: B-390MSD
Instrument: E4.i
Sample Info: D0529-01BMSD,,18108,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



0693

Data File: E4C6538F.D
Report Date: 01-Jun-2005 10:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6538F.D
Lab Smp Id: D0529-01AMSD Client Smp ID: B-390MSD
Inj Date : 26-MAY-2005 20:00
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0529-01BMSD,,18108,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 7 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: SOIL
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	17.000	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.07	7.07	0.000	1098299	0.02361	9.5		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	1167396	0.02523	10		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	2027257	0.02903	12		
5 Heptachlor					CAS #: 76-44-8		
12.1	12.1	0.000	2230011	0.03270	13		

Data File: E4C6538F.D
Report Date: 01-Jun-2005 10:25

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
6 Aldrin					CAS #: 309-00-2			
13.1	13.1	0.000	2146122	0.03432	14			
13 4,4'-DDE					CAS #: 72-55-9			
16.6	16.6	0.000	1391225	0.02374	9.5			
14 Dieldrin					CAS #: 60-57-1			
17.2	17.2	0.000	4289536	0.06466	26			
15 Endrin					CAS #: 72-20-8			
17.9	17.9	0.000	3951090	0.07176	29			
16 4,4'-DDD					CAS #: 72-54-8			
18.5	18.5	0.000	2907853	0.05911	24			
18 4,4'-DDT					CAS #: 50-29-3			
19.3	19.3	0.000	3402539	0.07192	29			
21 Methoxychlor					CAS #: 72-43-5			
20.9	20.9	0.000	401785	0.01832	7.4			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6538R.D
Report Date: 01-Jun-2005 10:26

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6538R.D
Lab Smp Id: D0529-01AMSD Client Smp ID: B-390MSD
Inj Date : 26-MAY-2005 20:00
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0529-01BMSD,,18108,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 7 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: SOIL
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	17.000	% Moisture

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.94	9.94	0.000	221067	0.02457	9.9		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.0	28.0	0.000	172328	0.02560	10		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
13.9	13.9	0.000	337229	0.02876	12		
5 Heptachlor						CAS #: 76-44-8	
15.5	15.5	0.000	416085	0.03317	13		

Data File: E4C6538R.D
Report Date: 01-Jun-2005 10:26

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
6 Aldrin					CAS #: 309-00-2		
16.5	16.5	0.000	360774	0.03637	15		
13 4,4'-DDE					CAS #: 72-55-9		
20.4	20.4	0.000	231146	0.02669	11		
14 Dieldrin					CAS #: 60-57-1		
20.7	20.7	0.000	768038	0.07463	30		
15 Endrin					CAS #: 72-20-8		
21.5	21.5	0.000	594356	0.07533	30		
16 4,4'-DDD					CAS #: 72-54-8		
22.0	22.0	0.000	425418	0.06660	27		
18 4,4'-DDT					CAS #: 50-29-3		
22.8	22.8	0.000	522384	0.07480	30		
21 Methoxychlor					CAS #: 72-43-5		
24.5	24.6	-0.100	493692	0.14525	58		

COLUMN ID: 5

8690

Date	Position #
5.19.05	1
	2
	3
	4
5.19.5	5
	6
	7
	8
	9
	10
	11
	12
	13
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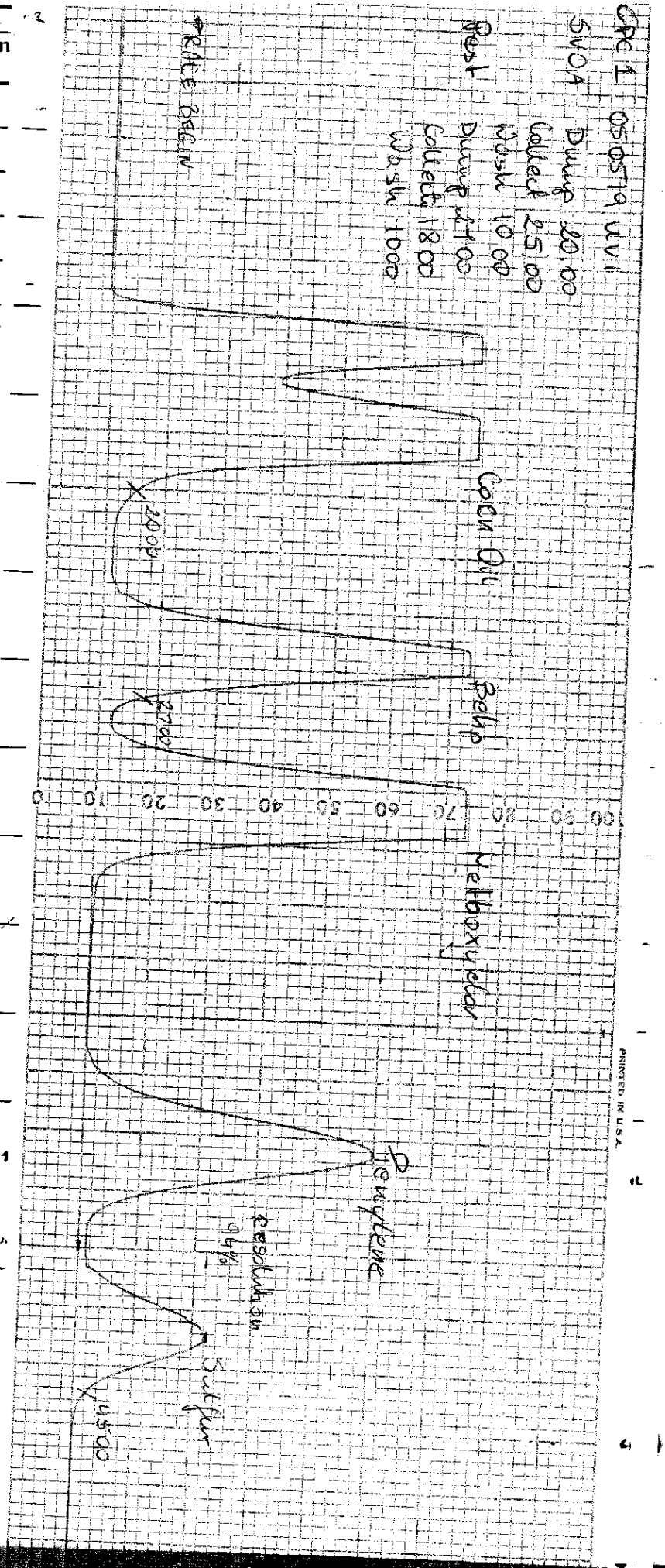
	15
	16
	17
	18
	19
	20
	21
	22
	23

TION VOLUME: 5ml

ents



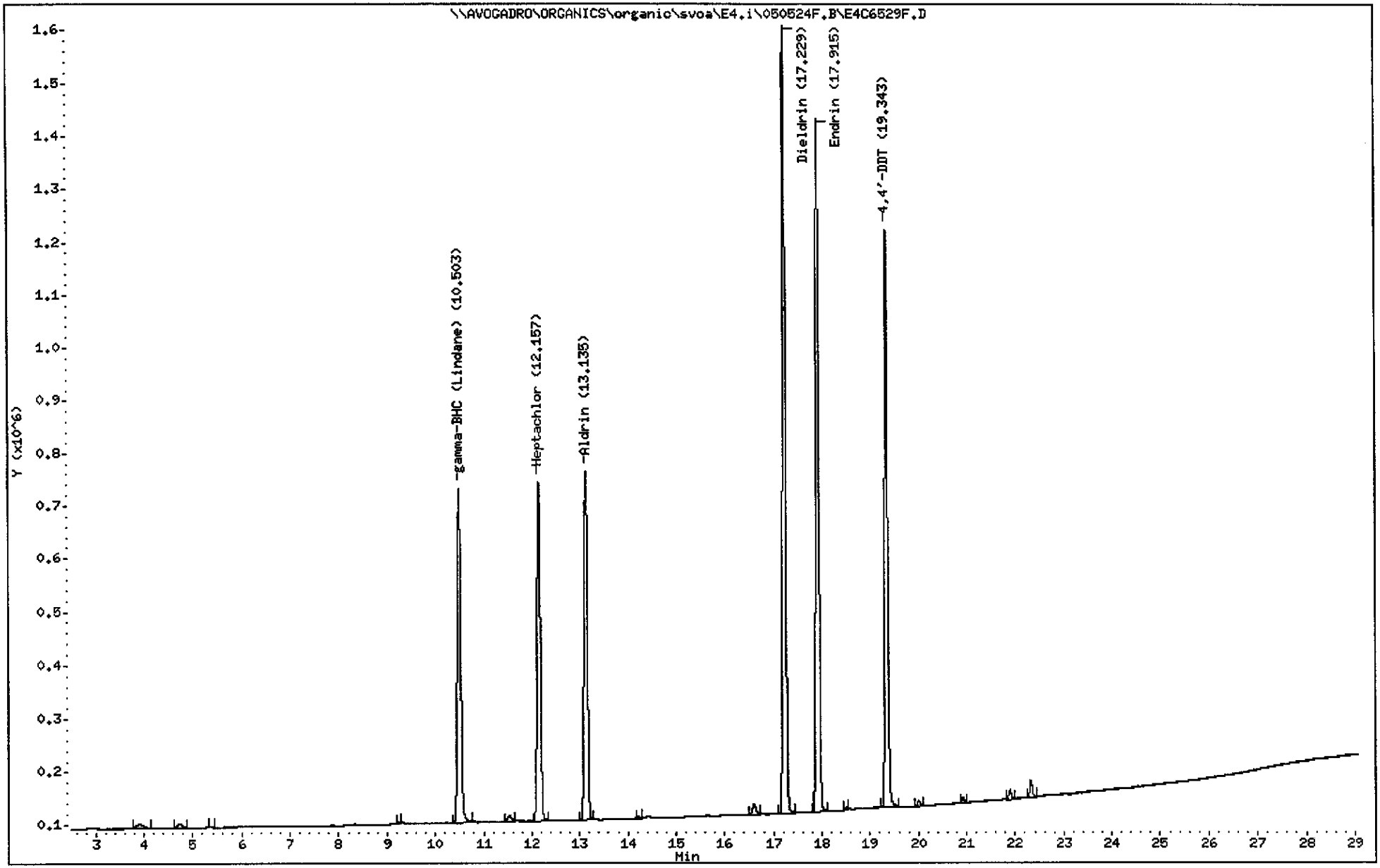
Logbook ID 50.01 7-1

Rate: 5.09 ml/min

Acceptance Criteria: C

Re

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6529F.D
Date : 26-MAY-2005 14:34
Client ID: GPC0519-PMS1
Instrument: E4.i
Sample Info: GPC0519-PMS1,,,gpc,sub,gpc,spk,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



6690

Data File: E4C6529F.D
Report Date: 27-May-2005 14:56

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6529F.D
Lab Smp Id: GPC0519-PMS1 Client Smp ID: GPC0519-PMS1
Inj Date : 26-MAY-2005 14:34
Operator : SRC: Inst ID: E4.i
Smp Info : GPC0519-PMS1,,,gpc.sub,gpc.spk,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 15 QC Sample: GPCCAL
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: gpc.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

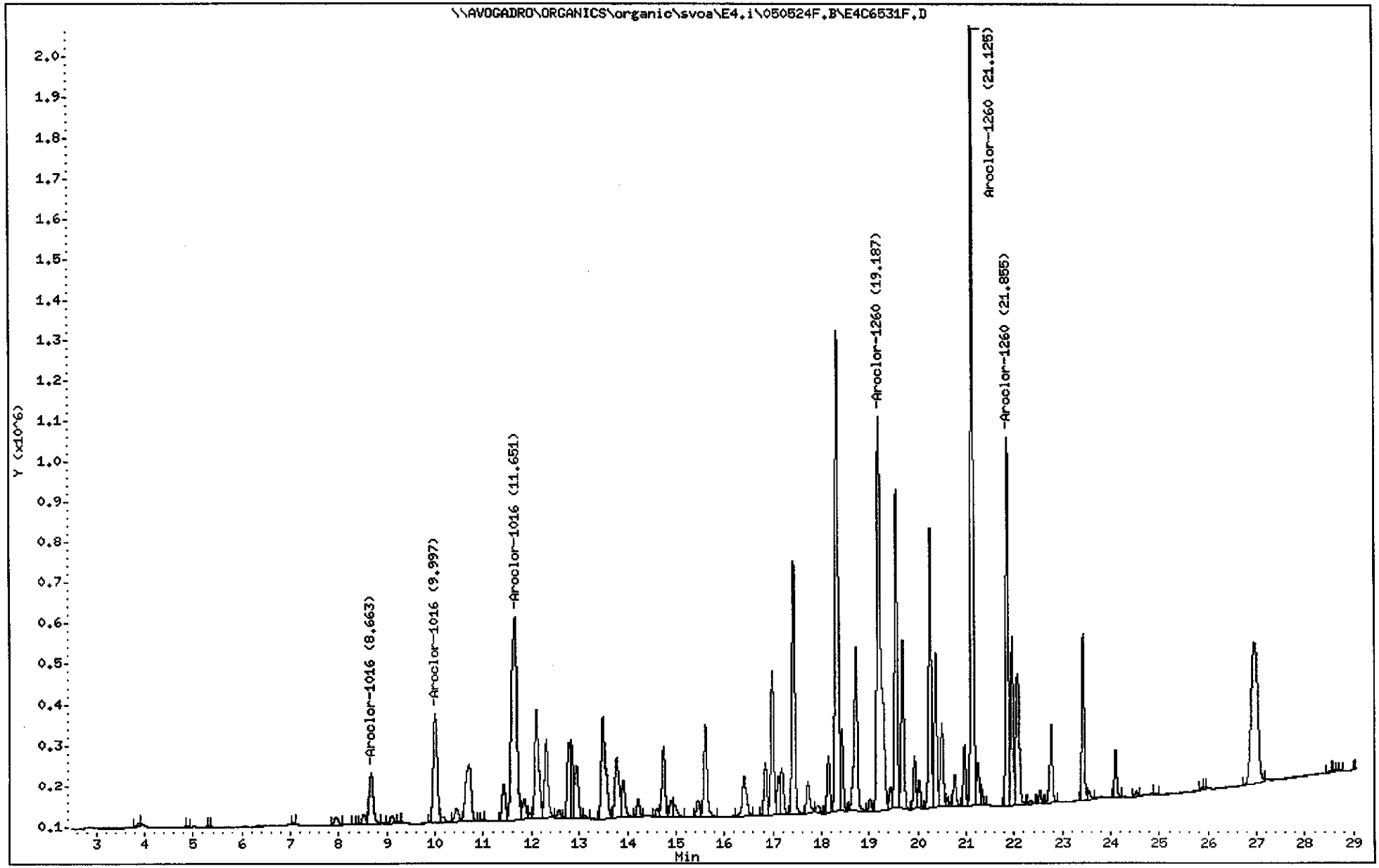
				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	3036472	0.04349	0.043		
5 Heptachlor					CAS #: 76-44-8		
12.2	12.1	0.100	2949717	0.04325	0.043		
6 Aldrin					CAS #: 309-00-2		
13.1	13.1	0.000	2909000	0.04652	0.047		
14 Dieldrin					CAS #: 60-57-1		
17.2	17.2	0.000	5965590	0.08993	0.090		

5/24/05

Data File: E4C6529F.D
Report Date: 27-May-2005 14:56

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
15 Endrin					CAS #: 72-20-8		
17.9	17.9	0.000	5368999	0.09751	0.098		
18 4,4'-DDT					CAS #: 50-29-3		
19.3	19.3	0.000	4275177	0.09036	0.090		

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6531F.D
Date : 26-MAY-2005 15:47
Client ID:
Instrument: E4.i
Sample Info: GPC0519-AROC1,,,,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0702

Data File: E4C6531F.D
Report Date: 27-May-2005 14:56

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6531F.D
Lab Smp Id: GPC0519-AROC1
Inj Date : 26-MAY-2005 15:47
Operator : SRC: Inst ID: E4.i
Smp Info : GPC0519-AROC1,,,,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1660.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

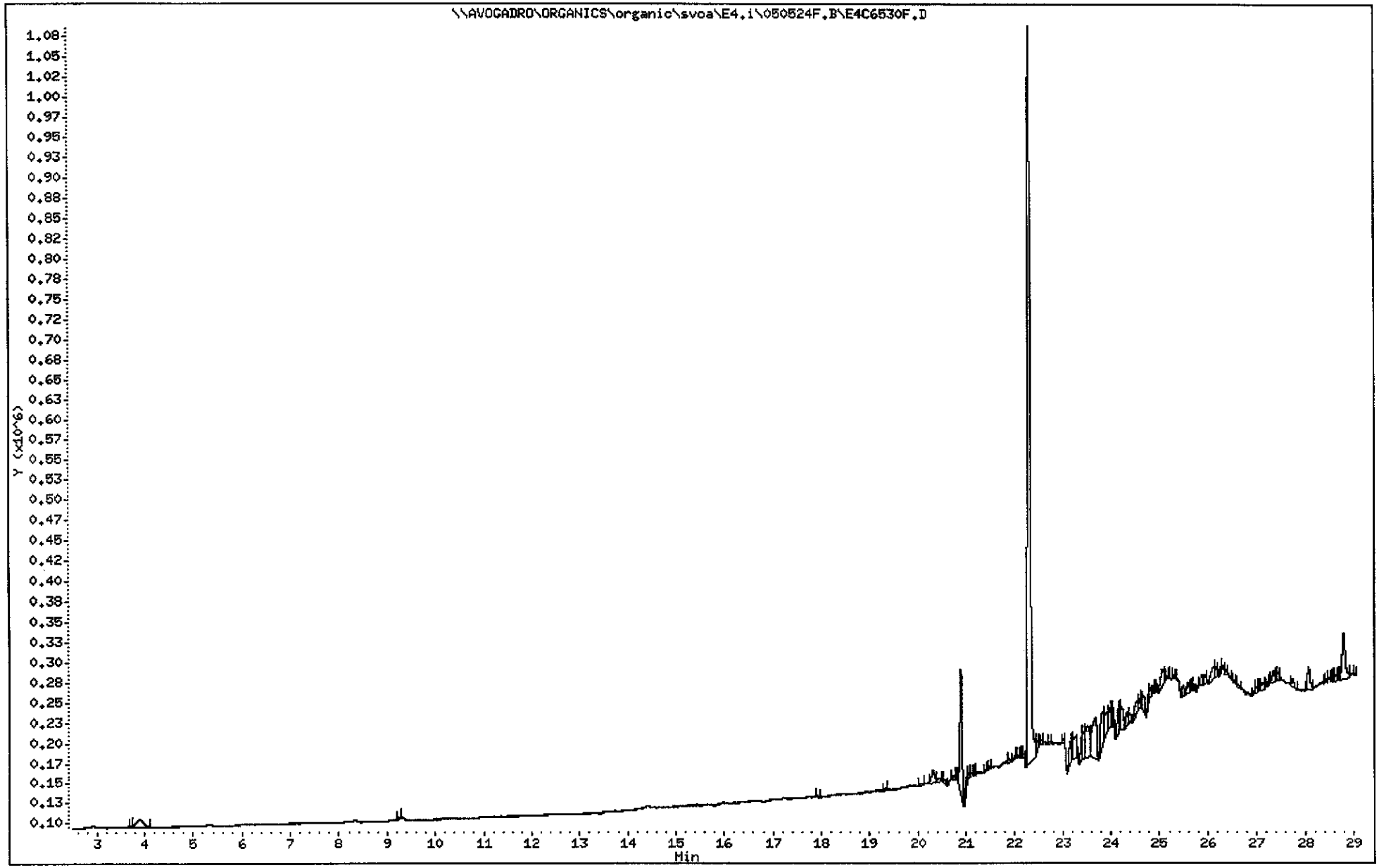
Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
23 Aroclor-1016					CAS #: 12674-11-2		
8.66	8.67	-0.010	750714	1.14177	11	80.00- 120.00	100.00
10.0	10.0	0.000	1574455	1.05551	11	206.87- 246.87	209.73
11.7	11.7	0.000	3757424	1.21462	12	450.49- 490.49	500.51
Average of Peak Concentrations =					11		
29 Aroclor-1260					CAS #: 11096-82-5		
19.2	19.2	0.000	5469645	1.12472	11	80.00- 120.00	100.00
21.1	21.1	0.000	6833523	1.18660	12	98.42- 138.42	124.94
21.9	21.9	0.000	3176203	1.15797	12	36.40- 76.40	58.07
Average of Peak Concentrations =					12		

5/31/06

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6530F.D
Date : 26-MAY-2005 15:10
Client ID:
Instrument: E4.i
Sample Info: GPC0519-PB1,,,,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0704

Data File: E4C6530F.D
Report Date: 27-May-2005 14:56

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6530F.D
Lab Smp Id: GPC0519-PB1
Inj Date : 26-MAY-2005 15:10
Operator : SRC: Inst ID: E4.i
Smp Info : GPC0519-PB1,,,,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CLP.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER

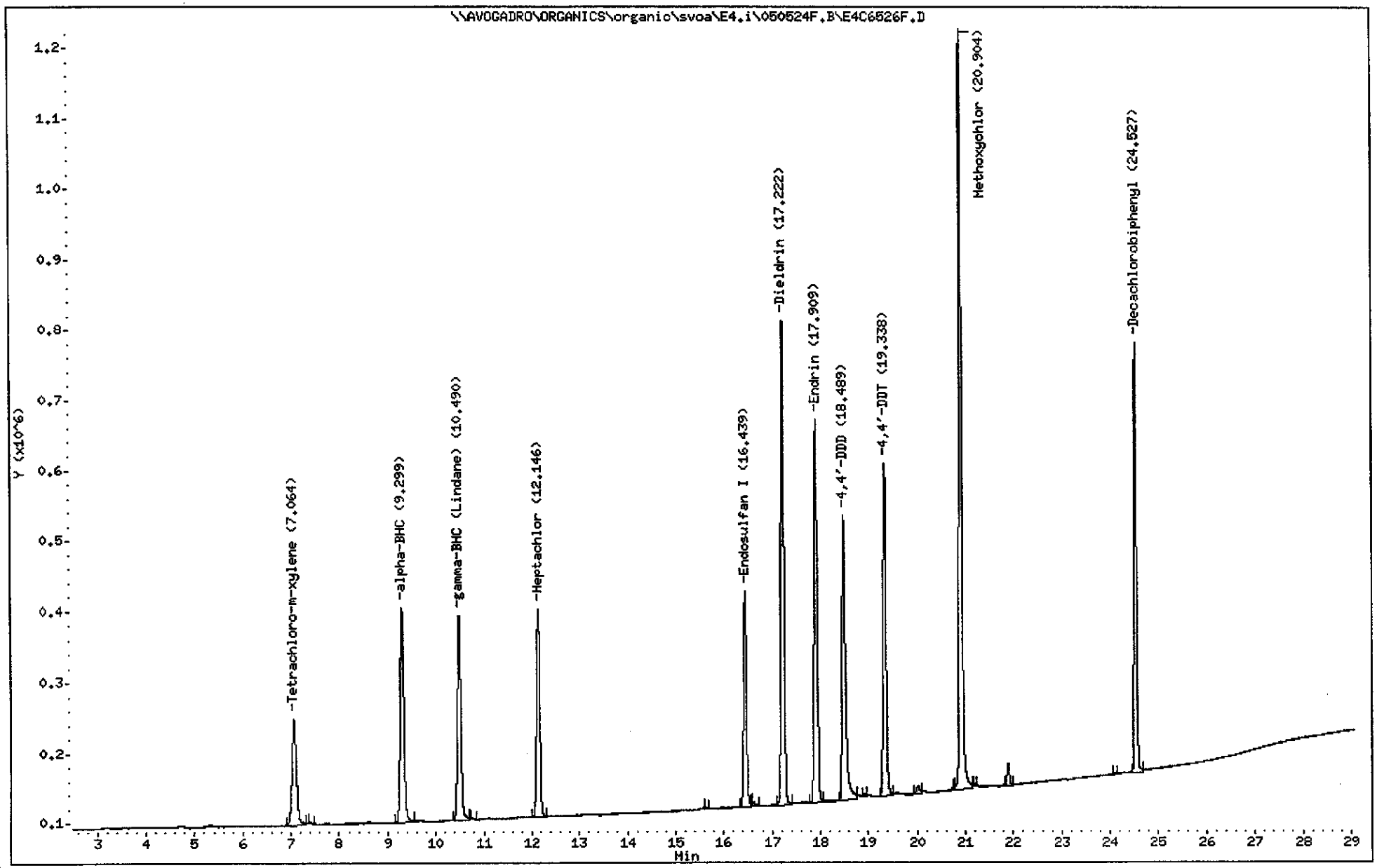
Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO

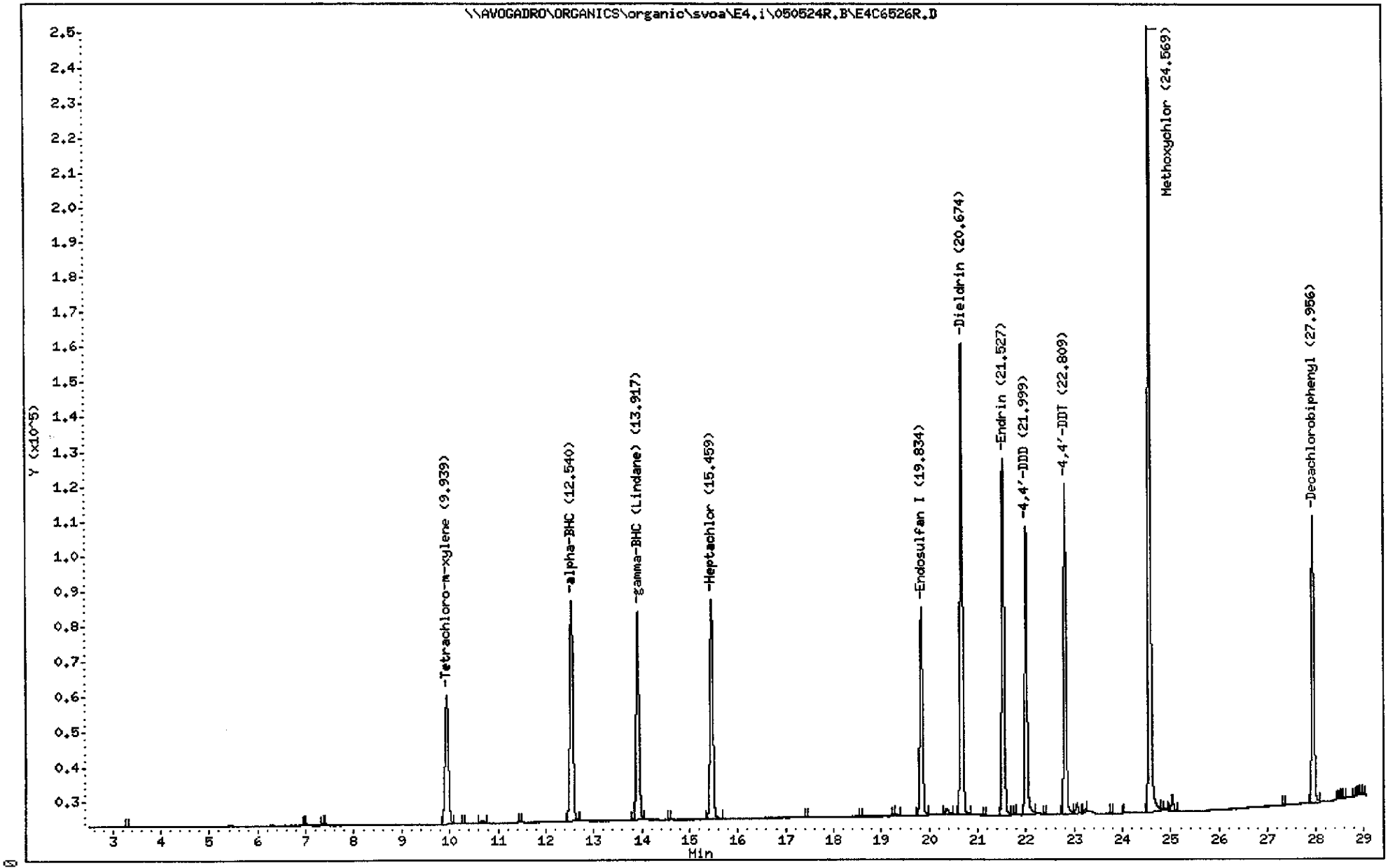
5/27/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6526F.D
Date : 26-MAY-2005 11:52
Client ID: INDAMCH
Instrument: E4.i
Sample Info: INDAMCH,INDAMCH,,inda.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0706

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6526R.D
Date : 26-MAY-2005 11:52
Client ID: INDAMCH
Instrument: E4.i
Sample Info: INDAMCH,INDAMCH,,inda.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0707

Data File: E4C6526F.D
Report Date: 27-May-2005 14:59

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6526F.D
Lab Smp Id: INDAMCH Client Smp ID: INDAMCH
Inj Date : 26-MAY-2005 11:52
Operator : SRC: Inst ID: E4.i
Smp Info : INDAMCH,INDAMCH,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.07	-0.010	946209	0.02000	0.020		(a)
3 alpha-BHC					CAS #: 319-84-6		
9.30	9.30	0.000	1557291	0.02000	0.021		(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	1422895	0.02000	0.020		(a)
5 Heptachlor					CAS #: 76-44-8		
12.1	12.1	0.000	1367708	0.02000	0.020		(a)

5/27/05

Data File: E4C6526F.D
Report Date: 27-May-2005 14:59

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
10 Endosulfan I						CAS #: 959-98-8	
16.4	16.4	0.000	1285475	0.02000	0.022		(a)
14 Dieldrin						CAS #: 60-57-1	
17.2	17.2	0.000	2761260	0.04000	0.042		(a)
15 Endrin						CAS #: 72-20-8	
17.9	17.9	0.000	2242440	0.04000	0.041		(a)
16 4,4'-DDD						CAS #: 72-54-8	
18.5	18.5	0.000	2007791	0.04000	0.041		(a)
18 4,4'-DDT						CAS #: 50-29-3	
19.3	19.3	0.000	1847503	0.04000	0.039		(a)
21 Methoxychlor						CAS #: 72-43-5	
20.9	20.9	0.000	4150958	0.20000	0.19		(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	1916405	0.04000	0.041		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6526R.D
Report Date: 27-May-2005 14:59

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6526R.D
Lab Smp Id: INDAMCH Client Smp ID: INDAMCH
Inj Date : 26-MAY-2005 11:52
Operator : SRC: Inst ID: E4.i
Smp Info : INDAMCH,INDAMCH,,inda.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.94	9.94	0.000	183374	0.02000	0.020		(a)
3 alpha-BHC					CAS #: 319-84-6		
12.5	12.5	0.000	258740	0.02000	0.021		(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
13.9	13.9	0.000	236001	0.02000	0.020		(a)
5 Heptachlor					CAS #: 76-44-8		
15.5	15.5	0.000	256654	0.02000	0.020		(a)

5/27/05

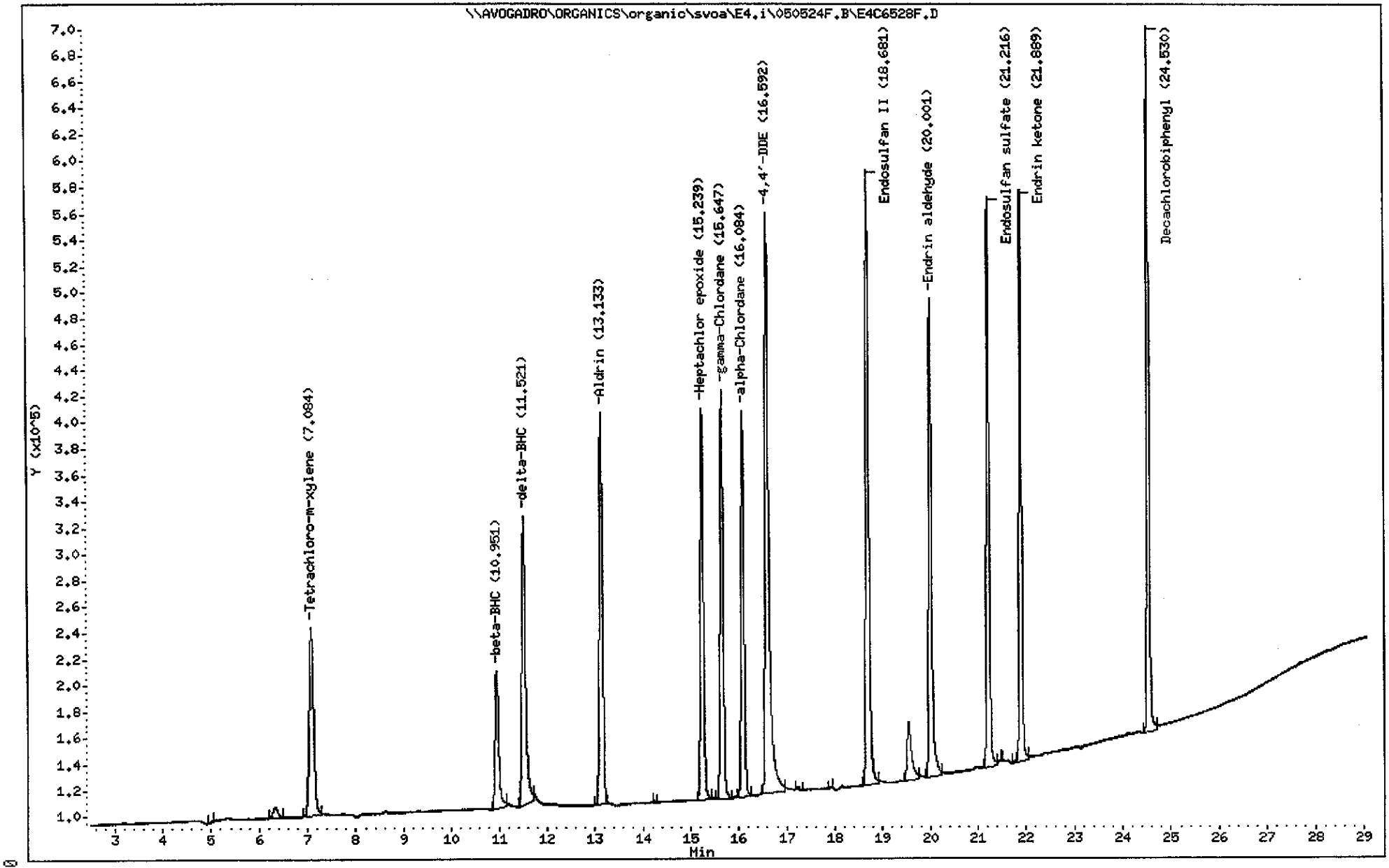
Data File: E4C6526R.D
Report Date: 27-May-2005 14:59

				AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
RT	EXP RT	DLT RT	RESPONSE					
10 Endosulfan I						CAS #: 959-98-8		
19.8	19.8	0.000	219402	0.02000	0.022			(a)
14 Dieldrin						CAS #: 60-57-1		
20.7	20.7	0.000	455991	0.04000	0.044			(a)
15 Endrin						CAS #: 72-20-8		
21.5	21.5	0.000	337054	0.04000	0.043			(a)
16 4,4'-DDD						CAS #: 72-54-8		
22.0	22.0	0.000	273293	0.04000	0.043			(a)
18 4,4'-DDT						CAS #: 50-29-3		
22.8	22.8	0.000	294270	0.04000	0.042			(a)
21 Methoxychlor						CAS #: 72-43-5		
24.6	24.6	0.000	690471	0.20000	0.20			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
28.0	28.0	0.000	275464	0.04000	0.041			(a)

QC Flag Legend

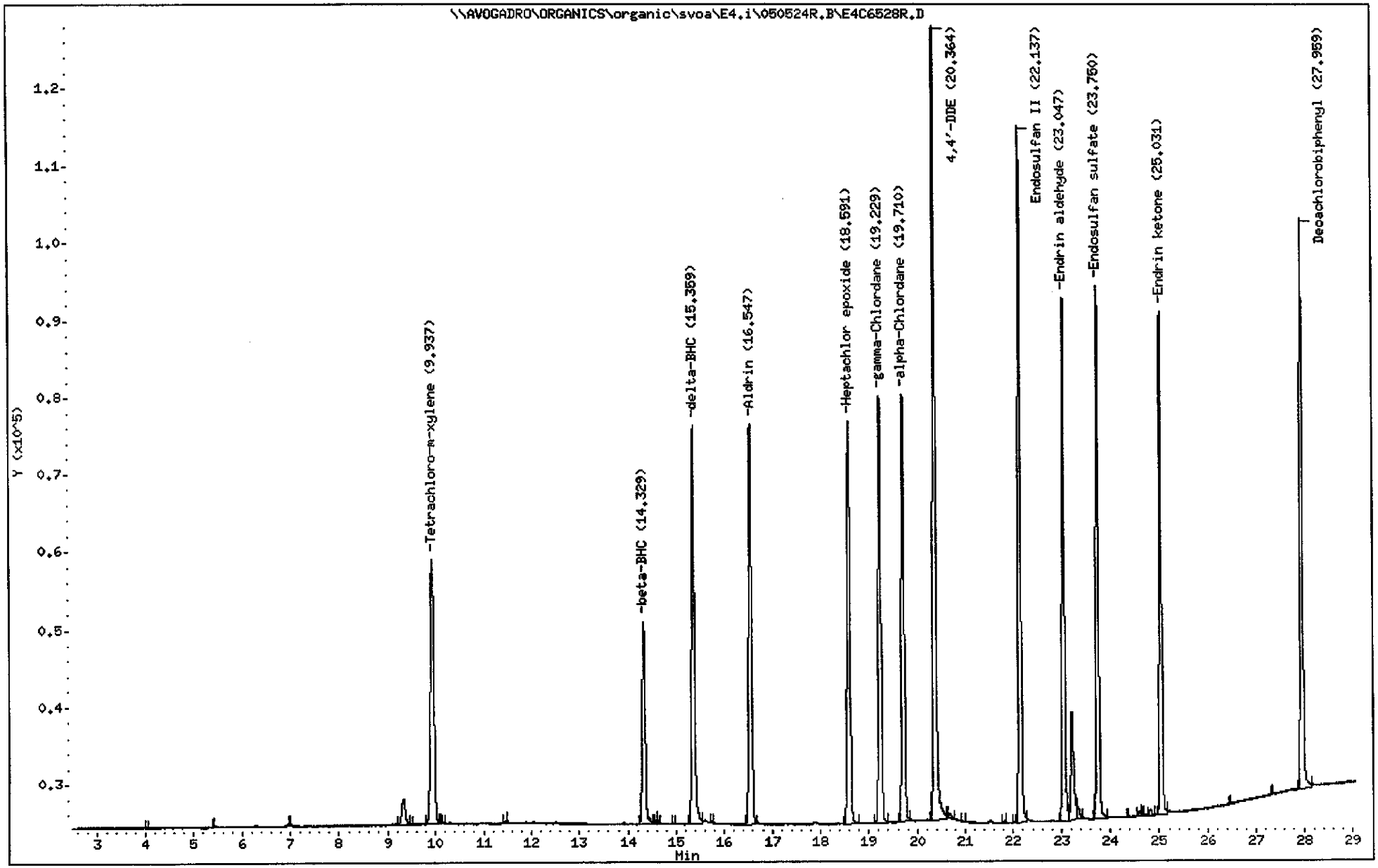
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6528F.D
Date : 26-MAY-2005 13:48
Client ID: INDBHCH
Instrument: E4.i
Sample Info: INDBHCH,INDBHCH,,indb,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0712

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6528R.D
Date : 26-MAY-2005 13:48
Client ID: INDBHCH
Instrument: E4.i
Sample Info: INDBHCH,INDBHCH,,indb,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E4C6528F.D
Report Date: 27-May-2005 15:00

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\E4C6528F.D
Lab Smp Id: INDBMCH Client Smp ID: INDBMCH
Inj Date : 26-MAY-2005 13:48
Operator : SRC: Inst ID: E4.i
Smp Info : INDBMCH,INDBMCH,,indb.sub,,
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524F.B\clp-1262e4f.m
Meth Date : 27-May-2005 10:50 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445F.D
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.08	7.07	0.010	900299	0.02000	0.019		(a)
6 Aldrin					CAS #: 309-00-2		
13.1	13.1	0.000	1316043	0.02000	0.021		(a)
7 beta-BHC					CAS #: 319-85-7		
11.0	10.9	0.100	557060	0.02000	0.022		(a)
8 delta-BHC					CAS #: 319-86-8		
11.5	11.5	0.000	1156014	0.02000	0.020		(a)

5/27/05

Data File: E4C6528F.D
Report Date: 27-May-2005 15:00

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
9 Heptachlor epoxide						CAS #: 1024-57-3	
15.2	15.2	0.000	1255060	0.02000	0.021		(a)
11 gamma-Chlordane						CAS #: 5103-74-2	
15.6	15.6	0.000	1317152	0.02000	0.021		(a)
12 alpha-Chlordane						CAS #: 5103-71-9	
16.1	16.1	0.000	1209191	0.02000	0.021		(a)
13 4,4'-DDE						CAS #: 72-55-9	
16.6	16.6	0.000	2380104	0.04000	0.041		(a)
17 Endosulfan II						CAS #: 33213-65-9	
18.7	18.7	0.000	2128229	0.04000	0.041		(a)
19 Endrin aldehyde						CAS #: 7421-93-4	
20.0	20.0	0.000	1537420	0.04000	0.040		(a)
20 Endosulfan sulfate						CAS #: 1031-07-8	
21.2	21.2	0.000	1602536	0.04000	0.044		(a)
22 Endrin ketone						CAS #: 53494-70-5	
21.9	21.9	0.000	1503299	0.04000	0.042		(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	1752213	0.04000	0.038		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6528R.D
Report Date: 27-May-2005 14:59

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\E4C6528R.D
Lab Smp Id: INDBMCH Client Smp ID: INDBMCH
Inj Date : 26-MAY-2005 13:48
Operator : SRC: Inst ID: E4.i
Smp Info : INDBMCH,INDBMCH,,indb.sub,,
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050524R.B\clp1262-e4r.m
Meth Date : 27-May-2005 10:42 mtl Quant Type: ESTD
Cal Date : 05-MAY-2005 00:50 Cal File: E4C6445R.D
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET4

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
9.94	9.94	0.000	170240	0.02000	0.019			(a)
6 Aldrin					CAS #: 309-00-2			
16.5	16.5	0.000	206969	0.02000	0.021			(a)
7 beta-BHC					CAS #: 319-85-7			
14.3	14.3	0.000	106635	0.02000	0.020			(a)
8 delta-BHC					CAS #: 319-86-8			
15.4	15.4	0.000	201474	0.02000	0.020			(a)

5/11/05

Data File: E4C6528R.D
Report Date: 27-May-2005 14:59

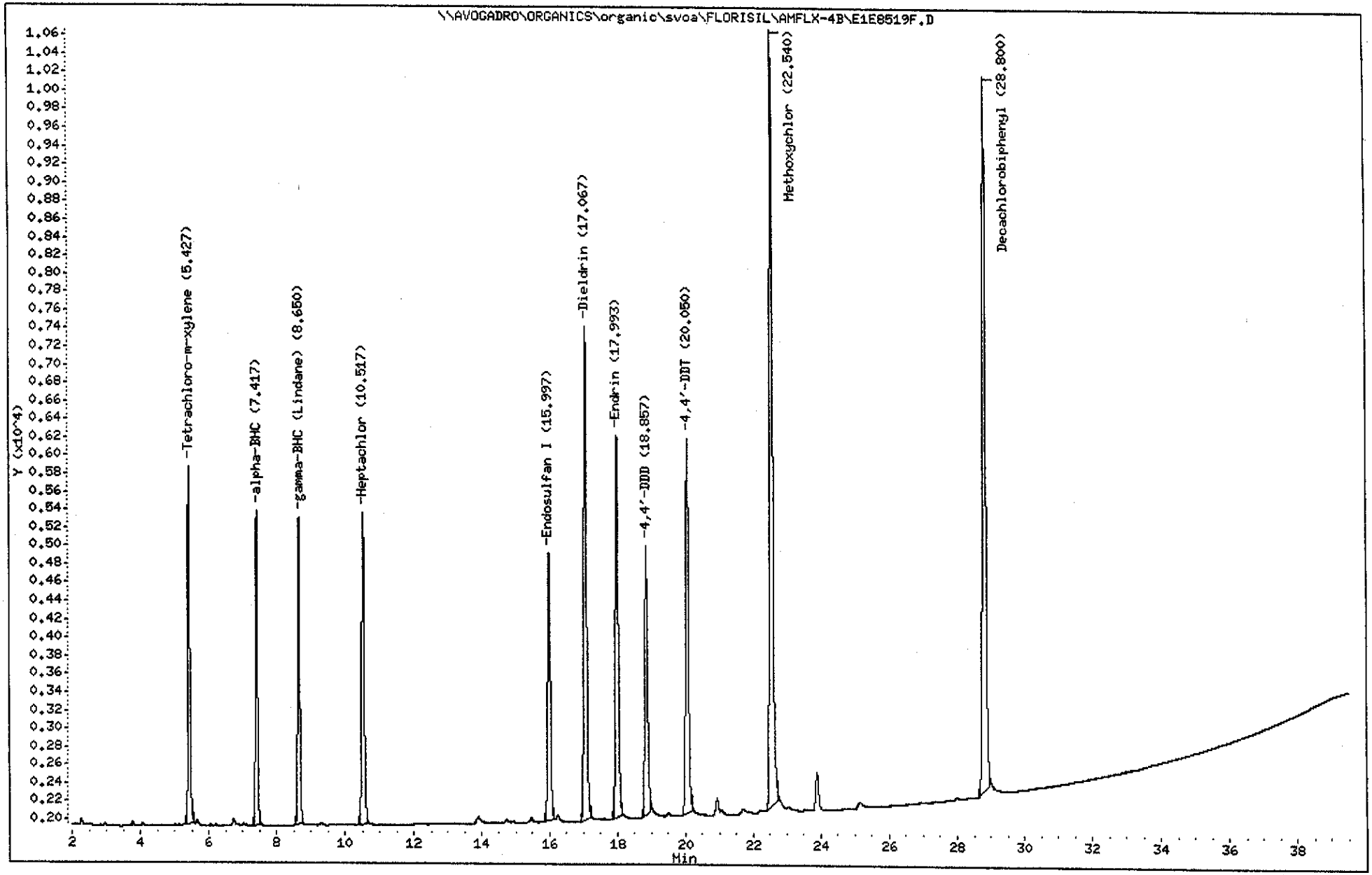
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
	9 Heptachlor epoxide				CAS #: 1024-57-3		
18.6	18.6	0.000	209125	0.02000	0.021		(a)
	11 gamma-Chlordane				CAS #: 5103-74-2		
19.2	19.2	0.000	213361	0.02000	0.021		(a)
	12 alpha-Chlordane				CAS #: 5103-71-9		
19.7	19.7	0.000	204677	0.02000	0.021		(a)
	13 4,4'-DDE				CAS #: 72-55-9		
20.4	20.4	0.000	376644	0.04000	0.043		(a)
	17 Endosulfan II				CAS #: 33213-65-9		
22.1	22.1	0.000	305326	0.04000	0.042		(a)
	19 Endrin aldehyde				CAS #: 7421-93-4		
23.0	23.0	0.000	221683	0.04000	0.041		(a)
	20 Endosulfan sulfate				CAS #: 1031-07-8		
23.8	23.7	0.100	219459	0.04000	0.050		(a)
	22 Endrin ketone				CAS #: 53494-70-5		
25.0	25.0	0.000	198457	0.04000	0.048		(a)
$	2 Decachlorobiphenyl				CAS #: 2051-24-3		
28.0	28.0	0.000	254538	0.04000	0.038		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8519F.D
Date : 05-JAN-2005 14:37
Client ID: AMFLX-4B
Sample Info: AMFLX-4B,,,,,
Volume Injected (uL): 1.0
Column phase: CLPestII

Instrument: E4.i
Operator: GML
Column diameter: 0.53



0718

Data File: E1E8519F.D
Report Date: 10-Jan-2005 16:34

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8519F.D
Lab Smp Id: AMFLX-4B Client Smp ID: AMFLX-4B
Inj Date : 05-JAN-2005 14:37
Operator : GML Inst ID: E4.i
Smp Info : AMFLX-4B,,,,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\CLPFLO-F.m
Meth Date : 05-Jan-2005 18:10 mtl Quant Type: ESTD
Cal Date : 05-JAN-2005 13:34 Cal File: E1E8518F.D
Als bottle: 4 QC Sample: FLORISIL
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: florisil.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.43	5.41	0.020	14633	0.00996	0.0100		
3 alpha-BHC						CAS #: 319-84-6	
7.42	7.40	0.020	13414	0.00874	0.0087		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
8.65	8.63	0.020	13892	0.00897	0.0090		
5 Heptachlor						CAS #: 76-44-8	
10.5	10.5	0.000	16292	0.00963	0.0096		

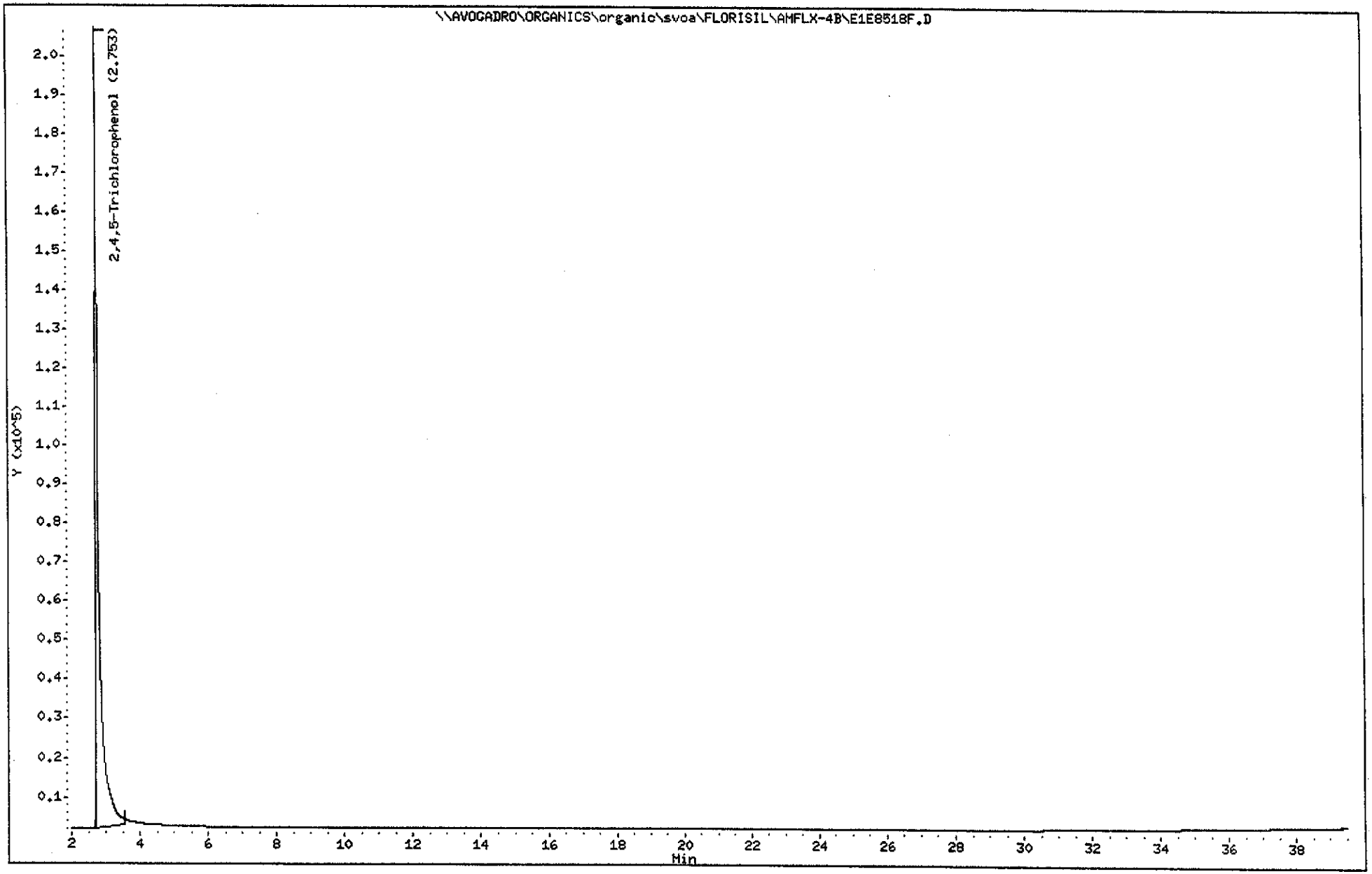
Data File: E1E8519F.D
Report Date: 10-Jan-2005 16:34

			CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
10 Endosulfan I						CAS #: 959-98-8	
16.0	16.0	0.000	15813	0.00986	0.0099		
14 Dieldrin						CAS #: 60-57-1	
17.1	17.1	0.000	28471	0.01864	0.019		
15 Endrin						CAS #: 72-20-8	
18.0	18.0	0.000	22886	0.01945	0.019		
16 4,4'-DDD						CAS #: 72-54-8	
18.9	18.8	0.100	16716	0.01892	0.019		
18 4,4'-DDT						CAS #: 50-29-3	
20.1	20.0	0.100	22998	0.01858	0.019		
21 Methoxychlor						CAS #: 72-43-5	
22.5	22.5	0.000	49775	0.10278	0.10		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.8	28.8	0.000	48951	0.02165	0.022		

SZ 01/10/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8518F.D
Date : 05-JAN-2005 13:34
Client ID: 4
Sample Info: 2,4,5-TCP,,,,,
Volume Injected (uL): 1.0
Column phase: CLPestII

Instrument: E4.i
Operator: GML
Column diameter: 0.53



0721

Data File: E1E8518F.D
Report Date: 10-Jan-2005 16:34

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8518F.D
Lab Smp Id: 2 Client Smp ID: 4
Inj Date : 05-JAN-2005 13:34
Operator : GML Inst ID: E4.i
Smp Info : 2,4,5-TCP,,,,,
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\CLPFLO-F.m
Meth Date : 05-Jan-2005 18:10 mtl Quant Type: ESTD
Cal Date : 05-JAN-2005 13:34 Cal File: E1E8518F.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 245TCP.sub
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

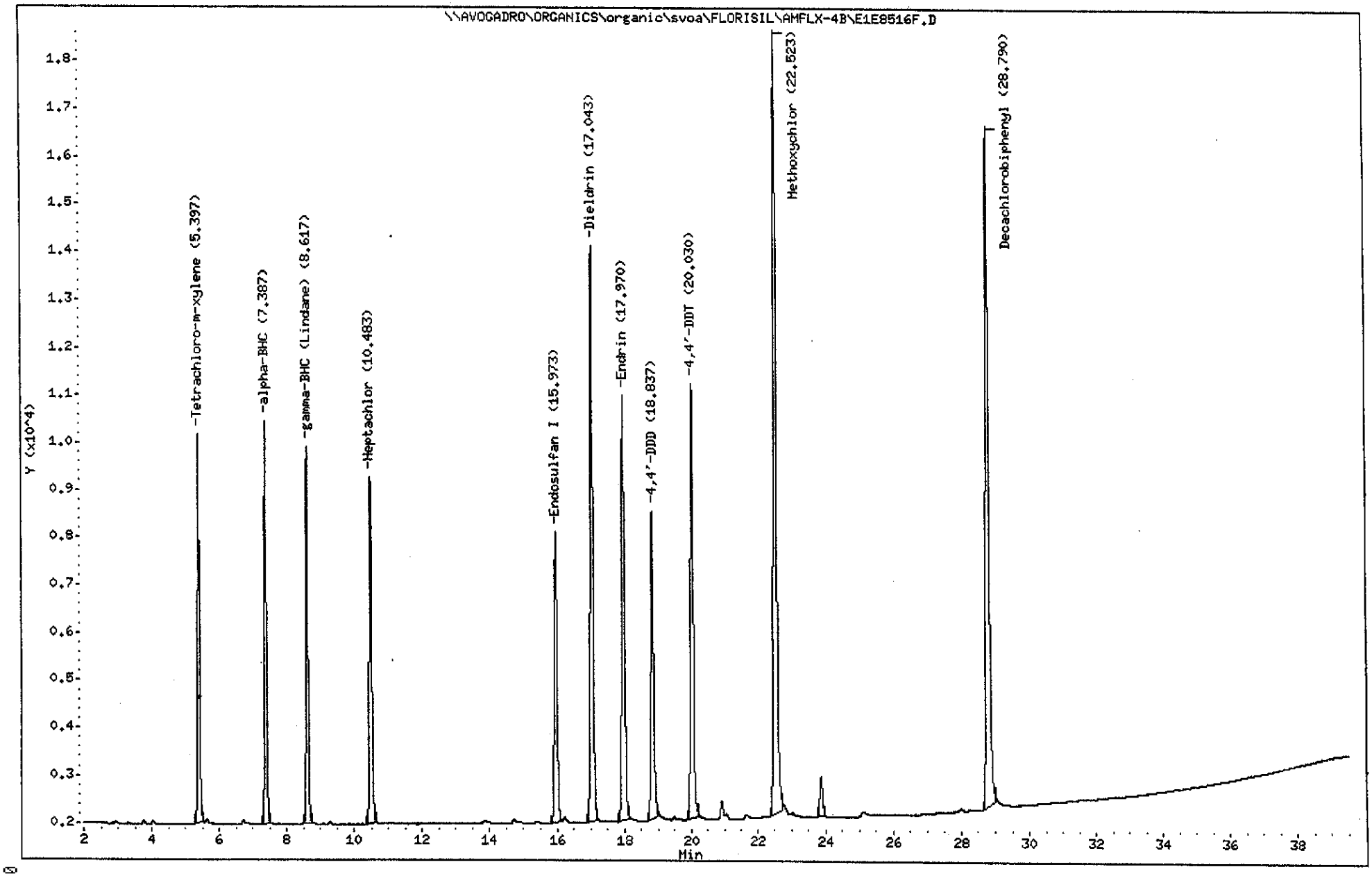
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
32 2,4,5-Trichlorophenol					CAS #:			
2.75	2.76	-0.010	1202629	0.10000	0.10			

SZ 01/10/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8516F.D
Date : 05-JAN-2005 12:09
Client ID: INDABH
Sample Info: INDABH,INDABH,,inda.sub
Volume Injected (uL): 1.0
Column phase: CLPestII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0723

Data File: E1E8516F.D
Report Date: 10-Jan-2005 16:34

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8516F.D
Lab Smp Id: INDABH Client Smp ID: INDABH
Inj Date : 05-JAN-2005 12:09
Operator : SRC: Inst ID: E4.i
Smp Info : INDABH,INDABH,,inda.sub
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\CLPFLO-F.m
Meth Date : 05-Jan-2005 18:10 mtl Quant Type: ESTD
Cal Date : 05-JAN-2005 13:34 Cal File: E1E8518F.D
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1	Tetrachloro-m-xylene					CAS #: 877-09-8		
	5.40	5.41	-0.010	29385	0.02000	0.020		(a)
3	alpha-BHC					CAS #: 319-84-6		
	7.39	7.40	-0.010	30713	0.02000	0.020		(a)
4	gamma-BHC (Lindane)					CAS #: 58-89-9		
	8.62	8.63	-0.010	30981	0.02000	0.020		(a)
5	Heptachlor					CAS #: 76-44-8		
	10.5	10.5	0.000	33832	0.02000	0.020		(a)
10	Endosulfan I					CAS #: 959-98-8		
	16.0	16.0	0.000	32091	0.02000	0.020		(a)

Data File: E1E8516F.D
Report Date: 10-Jan-2005 16:34

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
14 Dieldrin						CAS #: 60-57-1	
17.0	17.1	-0.100	61091	0.04000	0.040		(a)
15 Endrin						CAS #: 72-20-8	
18.0	18.0	0.000	47077	0.04000	0.040		(a)
16 4,4'-DDD						CAS #: 72-54-8	
18.8	18.8	0.000	35337	0.04000	0.040		(a)
18 4,4'-DDT						CAS #: 50-29-3	
20.0	20.0	0.000	49520	0.04000	0.040		(a)
21 Methoxychlor						CAS #: 72-43-5	
22.5	22.5	0.000	96860	0.20000	0.20		(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.8	28.8	0.000	90434	0.04000	0.040		(a)

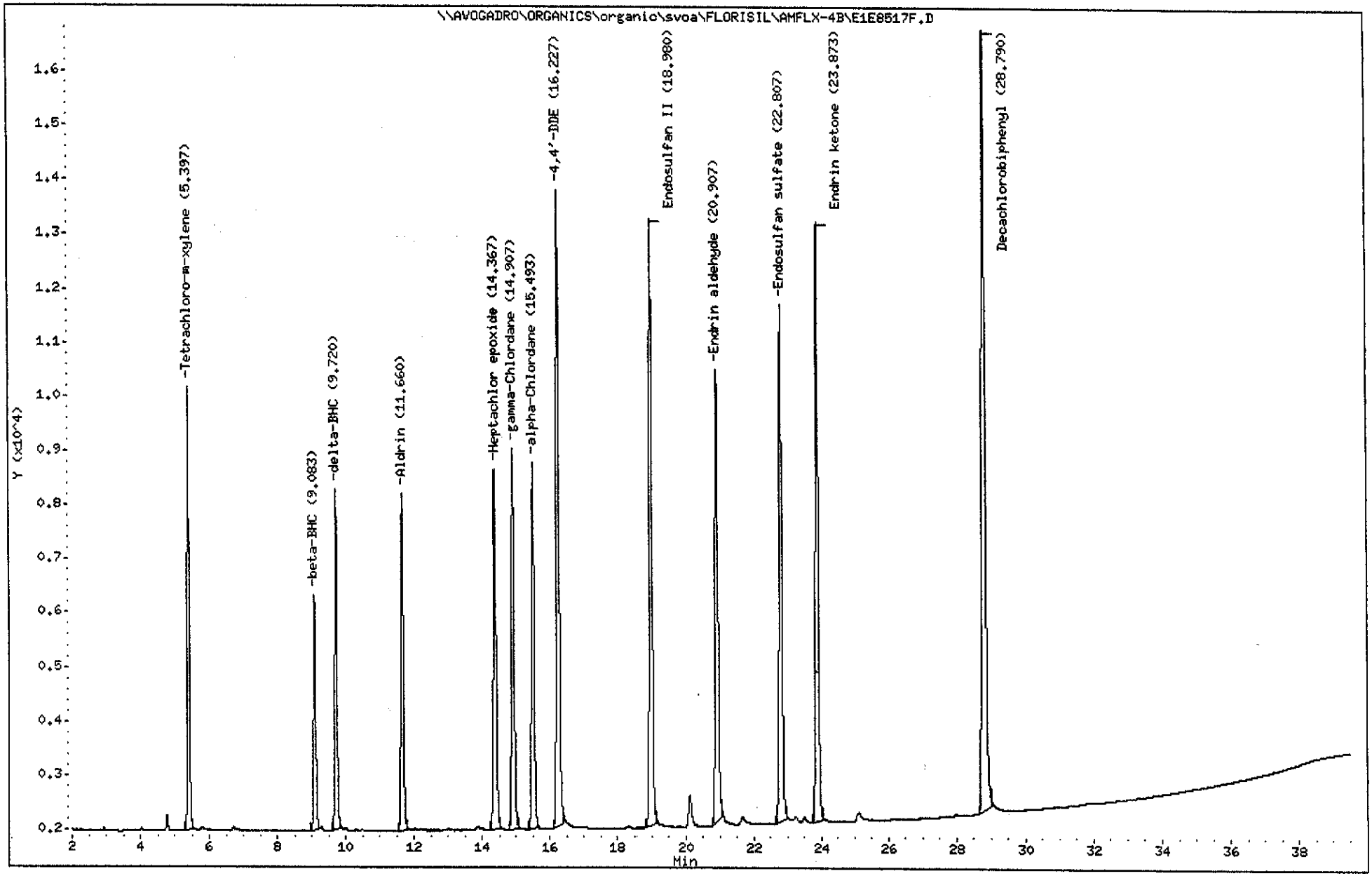
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SZ 01/10/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8517F.D
Date : 05-JAN-2005 12:52
Client ID: INDBBH
Sample Info: INDBBH,INDBBH,,indb,sub
Volume Injected (uL): 1.0
Column phase: CLPestII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0726

Data File: E1E8517F.D
Report Date: 10-Jan-2005 16:34

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8517F.D
Lab Smp Id: INDBBH Client Smp ID: INDBBH
Inj Date : 05-JAN-2005 12:52
Operator : SRC: Inst ID: E4.i
Smp Info : INDBBH,INDBBH,,indb.sub
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\CLPFLO-F.m
Meth Date : 05-Jan-2005 18:10 mtl Quant Type: ESTD
Cal Date : 05-JAN-2005 13:34 Cal File: E1E8518F.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$	1 Tetrachloro-m-xylene					CAS #: 877-09-8		
	5.40	5.41	-0.010	29663	0.02000	0.020		(a)
	6 Aldrin					CAS #: 309-00-2		
	11.7	11.7	0.000	29653	0.02000	0.020		(a)
	7 beta-BHC					CAS #: 319-85-7		
	9.08	9.08	0.000	18994	0.02000	0.020		(a)
	8 delta-BHC					CAS #: 319-86-8		
	9.72	9.72	0.000	26091	0.02000	0.020		(a)
	9 Heptachlor epoxide					CAS #: 1024-57-3		
	14.4	14.4	0.000	33866	0.02000	0.020		(a)

Data File: E1E8517F.D
Report Date: 10-Jan-2005 16:34

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
11 gamma-Chlordane						CAS #: 5103-74-2		
14.9	14.9	0.000	36868	0.02000	0.020			(a)
12 alpha-Chlordane						CAS #: 5103-71-9		
15.5	15.5	0.000	35259	0.02000	0.020			(a)
13 4,4'-DDE						CAS #: 72-55-9		
16.2	16.2	0.000	63244	0.04000	0.040			(a)
17 Endosulfan II						CAS #: 33213-65-9		
19.0	19.0	0.000	60845	0.04000	0.040			(a)
19 Endrin aldehyde						CAS #: 7421-93-4		
20.9	20.9	0.000	47079	0.04000	0.040			(a)
20 Endosulfan sulfate						CAS #: 1031-07-8		
22.8	22.8	0.000	52998	0.04000	0.040			(a)
22 Endrin ketone						CAS #: 53494-70-5		
23.9	23.9	0.000	59703	0.04000	0.040			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
28.8	28.8	0.000	91681	0.04000	0.041			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SZ 01/10/05

MITKEM CORPORATION: ORGANIC PREP - CLP Pesticides/PCB

Date	Analysis	Method & SOP #	Sample Matrix	Project(s)
5.12.05	CLP OLM	AQ: (3510C(SepF)) 3520C(Liq/Liq) Other: _____ Soil: 3540C(Soxhlet) 3550B(Sonic)	(Aqueous) Soil Other:	D0529

Blank ID	LCS ID	Analyst:	Spiker:	Witness:	Solvent Lot #	Acid Lot #	Time Started:	GPC Batch #	Florisil Lot #
18090	18090	TJ	TJ	SK	B12E02 mcd	—	0800		

Lab ID	Sample ID	Wt/Vol Extracted	Surrogate Added	Matrix Spike Added	pH	KD prior to GPC Date/Analyst	Vol. pre GPC	GPC Date/Analyst	KD after GPC Date/Analyst	Vol. pre Florisil	Florisil Date/Analyst	Final Vol.	Date Ext.
18090MB		1000ml	OPW050419A 1ml	—	7					10ml			
LCS 18090		1000ml	↓	OPW050225B 1ml	7					↓			
LCSD 18090		1000ml	↓	OPW050225B 1ml	7								
D0529	03B	1000ml	OPW050419A 1ml	—	7					10ml			

5-12.05
TJ

Comments: _____

Sonicator Tuned? ~~Yes~~ ~~No~~

Water Bath Temp 50°C

Sodium Sulfate Lot #: OWN050509C

Logbook ID 50.0188-09/04

Reviewed By: KL 5/11/05

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MITKEM CORPORATION: ORGANIC PREP - CLP Pesticides/PCB

Date	Analysis	Method & SOP #	Sample Matrix	Project(s)
5-13-05	OLM PP	AQ: 3510C(SepF) 3520C(~~Liq/Liq~~) Other: _____ Soil: 3540C(Soxhlet) (3550B(Sonic))	Aqueous (Soil) Other:	ND523, ND529

Blank ID	LCS ID	Analyst:	Spiker:	Witness:	Solvent Lot #	Acid Lot #	Time Started: 0730 Time Ended: 1500	GPC Batch #	Florisil Lot #
18108	18108	SK	TB	SK	BC6231			050519 GPC1	

Lab ID	Sample ID	Wt/Vol Extracted	Surrogate Added	Matrix Spike Added	pH	KD prior to GPC Date/Analyst	Vol. pre GPC	GPC Date/Analyst	KD after GPC Date/Analyst	Vol. pre Florisil	Florisil Date/Analyst	Final Vol.	Date Ext.
MB-18108		30.0	opw050419A 2ml	—	—	5.20.05 SK	10ml	5.21.05 TB	5.25.05 ~~5.20.05~~ KG	2.5 ml	5.25.05 ~~5.20.05~~ TB KG	1ml	5.25.05 ~~5.20.05~~
LCS-18108		30.0		opw050225B 1ml									
ND523	01A	30.0		—									
ND529	01A	30.0		—									
ND529	01AMS	30.0		opw050225B 1ml									
ND529	01AMSD	30.0	opw050419A 2ml	opw050225B 1ml	—	5.20.05 SK	10ml	5.21.05 TB	5.25.05 KG	2.5 ml	5.25.05 KG	1ml	5.25.05

SK 5.13.05

Comments: _____

Sonicator Tuned? (Yes) No

Water Bath Temp 95°C

Sodium Sulfate Lot #: OWB050513B

Logbook ID 50.0188-09/04

Reviewed By: KC 6/1/05

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Percent Moisture and Percent Solids Report

Mitkem Sample ID	*Client Sample ID*	*Analyzed*	*Percent Moisture*	*Percent Solids*	*Validated*
D0529-01A	*B-3 (9.0')*	05/13/2005	17	83	Yes
D0529-02A	*B-3 (3.0')*	05/13/2005	13	87	Yes

MITKEM CORPORATION **pH Determination Logbook**

pH Meter:

Date	Sample ID		pH Reading	Buffer IDs	Comments	Analyst
5/26/05	ph 4.0		4.00	IWP040723L	after calibration	SW
	ph 10.0		10.00	IWP040723D		
	ph 7.0		6.97	IWP050227D	100%	
	DO523	01A	8.03			
	DO529	01A	8.40		RPD = 0.27	
	DO529	01ADup	8.42			
5/26/05	ph 7.0		7.00	IWP050227D 100%		SW

SW 5/26/05

pH LCS (Buffer 7.00) Acceptance Criteria:
±0.05 S.U.
Frequency: at least every 20 samples

Calibration Check Criteria:
pH Buffer: 4.00±0.05 S.U.
10.00+0.05 S.U.
7.00+0.05 S.U.

Logbook ID: 30.0210-03/05

Reviewed by KL 6/1/05

Page #: 0004

Level 1 QA Review: SW 5/26/05

Data Entry to LIMS: [illegible]

Level 2 QA Review:

0732

...URATION: INSTRUMENT GPC 1 LOGBOOK

COLUMN ID: S-X3-A11 | DATE CALIBRATED: 5-19-5 | INJECTION VOLUME: 5ml

Date	Position #	Project ID	Sample ID	Analysis	Analyst	Comments
5.19.05	1	05-0519	LW1	GPC CAL	JS	
↓	2	↓	SB1	GPC CHECK	↓	
↓	3	↓	PB1	↓	↓	
↓	4	↓	PMS1	↓	↓	
5.19.5	5	05 05 19	AROC1	GPC CHECK	JS	
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					

5/19/5

Logbook ID 50.0187-11/04

Flow Rate: 5.09 ml/min

Acceptance Criteria: Corn oil & phthalate peaks > 85.0% resolution
Phthalate & methoxyclor peaks > 85.0% resolution
Methoxychlor & perylene peaks > 85.0% resolution
Perylene & sulfur peaks: No saturation & > 90.0% baseline resolution

Reviewed by KL 6/1/05

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MITKEM CORPORATION: INSTRUMENT GPC 1 LOGBOOK

COLUMN ID: 5·X3·A11 | DATE CALIBRATED: 5·19·05 | INJECTION VOLUME: 5 ml

Date	Position #	Project ID	Sample ID	Analysis	Analyst	Comments
5·21·05	1	MB 18108		ocm pest	TS	
	2	LCS 18108				
	3	D0523	01A			
	4	D0529	01A			
	5	↓	MS 01A	↓	↓	
5·21·05	6	D0529	MSD 01A	ocm pest	TS	
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14			5.21.05		
	15			TS		
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					

Logbook ID 50.0187-11/04

Flow Rate: 5.09 ml/min

Acceptance Criteria: Corn oil & phthalate peaks > 85.0% resolution
Phthalate & methoxyclor peaks > 85.0% resolution
Methoxychlor & perylene peaks > 85.0% resolution
Perylene & sulfur peaks: No saturation & > 90.0% baseline resolution

Reviewed by KL 6/1/05

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MITKEM CORPORATION - PEST/PCB RUN LOGBOOK: INSTRUMENT E4

Sequence: E4 050504 | Method: SOM3X | ICAL Date: 05/04/05

Date	Sample ID		Client ID	File Name	Dilution	F	R	Comments	Analyst
05/04/05	Prime			E4C6428-30					SZ
	Resc	C1	Resc C1		31	X	X	PW 041129 A	
	PEM	C1	PEM C1		32	VX	VX	PW 050504 F	
	AR1660	C1	AR1660C1		33			PW 050117 A	
	AR1221		AR1221C1		34			PW 050309 B	
	AR1232		1232		35			PW 050309 C	
	AR1242		1242		36			PW 050309 D	
	AR1248		1248		37			PW 050309 E	
	AR1254	↓	AR1254 ↓		38			PW 050221 B	
	Toxaph	C1	Toxaph C1		39			PW 050504 A	
	INDAL		INDAL		40			PW 041116 J	
	INDBL		INDBL		41			PW 050110 E	
↓	INDAM		INDAM		42	X	X	PW 050301 B	
05/04/05	INDBM		INDBM		43	X	X	PW 050110 C	
05/05/05	INDAH		INDAH		44			PW 041116 F	
	INDBH	↓	INDBH		45			PW 050110 A	
	PIBLK	C2	PIBLKC2		46			PW 050504 E 1:21	
	PEM	C2	PEM C2		47	VX	VX	PW 050504 F	
	MB-17870		PBLK2A		48	✓		PW SZ050505m	
	LCS-17870		P4AICS		49	✓			
	D0480-01C		SW-RD1		50	✓			
	↓ -02C		SW-RD2		51	✓			
	D0480-03C		SW-RD3		52	✓			
	D0485-02B		D140005		53	✓			
			02BMS	D140005MS	54	✓			
			02BMSD	D140005MSD	55	✓		BMC 1/2 peak (MS)	
	↓ 03B		D140006	↓	56	✓			
05/05/05	D0485-04B		D140004	E4C64	57	✓			SZ

Standard ID's

Comments

Reviewed by SZ 05/16/05

MITKEM CORPORATION - PEST/PCB RUN LOGBOOK: INSTRUMENT E4

Sequence: E4050524 | Method: SOM3X | ICAL Date: 05/04/05

Date	Sample ID		Client ID	File Name		Dilution	F	R	Comments	Analyst
5/25/05	PRIME			E4C64	99					SZ
	PIBLK	CE	PIBLKCE	E4C65	00		✓			
	PEM	CE	PEMCE		01		✓	✓		
	MB-18108				02					
	LCS-18108				03					
	D0523-01A				04					
	D0529-01A				05					
	↓ -01AMS				06					
	D0529-01AMSD				07					
	PIBLK				08					
↓	MB-18090				09					
5/26/05	LCS-18090				10					
5/26/05	LCSD-18090				11					
	D0529-03B				12					
	PIBLK	CF			13					
	PIBLK	CF			14					
	IMBAM	CF			15				confirmed	
	IMBBM	CF			16			↑		
	GPC0524-PB1				17					
		PMS1			18					
	GPC0524MBC				19					
	PIBLK	CG	PIBLKCG		20		✓		5:26	
	PEM	CG	PEMCG		21		✓	✓		
	MB-18108		PBLK4E		22		✓			
	LCS-18108		P4ELCS		23		✓			
	D0523-01A		B-190		24		✓			
	PIBLK	CH	PIBLKCH	↓	25		✓		11:16	↓
5/26/05	IMBAM	CH	IMBAMCH	E4C65	26		✓	✓		SZ

Standard ID's

PEM PW050505A
AM PW050510D
BM PW050110C

ments

Reviewed by KL 6/1/05

book ID 60.0196-12/04

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MITKEM CORPORATION - PEST/PCB RUN LOGBOOK: INSTRUMENT E4

Sequence: E405052 4 | Method: SOM3X | ICAL Date: 05/04/05

Date	Sample ID	Client ID	File Name		Dilution	F	R	Comments	Analyst
5/06/05	INDBM CH		E4C65	27		-	-	do not use	SZ
	INDBM CH	INDBMCH		28		✓	✓		
	GPC 0519-DMSI			29		✓		Methoxy & PL ok	
	↓ -DMI			30		✓			
	GPC 0519 AROCI			31		✓			
	MB-18090	BLK4F		32			✓	carry over? MB Reru	
	LCS-18090	P4FLCS		33			✓		
	LCSD-18090	P4FLCSD		34			✓		
	D0529-03B	DINSATE2		35			✓		
	↓ -01B	B-390		36			✓		
	↓ -01BMS	B-390MS		37			✓		
	D0529-01BMSD	B-390MSD		38			✓		
	PIBLK			39					
	PIBLK CI	PIBLKCI		40			✓		
	PEM CI	PEMCI		41		✓	✓		
	PEM CJ			42					
	MB-18254			43					
↓	LCS-18254			44					
5/07/05	D0583-01B			45				↓ BLC need for Dieldrin reruns	
	↓ -01BMS			46					
	↓ -01BMSD			47					
	D0583-03B			48					
	PIBLK CJ			49					
	PIBLK CJ			50					
↓	INDA CJ		↓	51					
5/07/05	INDB CJ		E4C65	52			↑	EK, ES ↑ Rea	SZ
					SZ	05/07/05			

Standard ID's

PEM MW 050525A
RM MW 050510D
BM MW 050110C

Comments

Reviewed by KL 6/1/05

Logbook ID 60.0196-12/04

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Sample Receiving Logbook

Workorder No. D0529

Client Name: Day

Date Recv'd 5/7/05 **Sample #s** 01 - 03 **Storage Locations:** VOA

Date Recv'd 5/7/05 **Sample #s** 01, 03 **Storage Locations:** C 2, M 4

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

OUT		IN	
Relinquished By	**Received By**	**Relinquished By**	**Received By**
Date: 5.12.05 Init: TS	Date: 5.12.05 Init: SK	Date: 5/12/05 Init: TS	Date: Init:
Samp. #s 03B		Empty	
Date: ~~5-12-05~~ (5) Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			
Date: 5-13-05 Init: TS	Date: 5-13-05 Init: SK	Date: 5-13-05 Init: SK	Date: 5-13-05 Init: TS
Samp. #s 01		01	
Date: 5/13/05 Init: KB	Date: 5/13/05 Init: BW	Date: 5/13/05 Init: BW	Date: 5/13/05 Init: KB
Samp. #s 1, 2		1, 2	
Date: 5/16/05 Init: BW	Date: 5/16/05 Init: KB	Date: 5/16/05 Init: KB	Date: 5/16/05 Init: BW
Samp. #s 03		3	
Date: 5/18/05 Init: BW	Date: 5/18/05 Init: KB	Date: 5/18/05 Init: KB	Date: 5/18/05 Init: BW
Samp. #s 01, 03		1, 3	
Date: 5/26/05 Init: KB	Date: 5/26/05 Init: BW	Date: Init:	Date: Init:
Samp. #s 1			
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			

Comments: _____

Please record analyst's initials, date, and sample #s removed. Add any comments if necessary (broken bottles, empty jars, etc.)

Logbook ID: 30.0287-04/05 **Reviewed:** KL 6/1/05

MITKEM CORPORATION EXTRACTS TRANSFER LOGBOOK: PESTICIDES/PCB ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred by	Received by	Storage Location	Comments
5·22·05	D0586	02B	TS	SZ	R11	
5/23/05	D0537	10A	SK	SZ	R11	P/B 2nd
5/23/05	MB-18090		KG			
↓	LCS-18090		↓			
↓	LCSD-18090		↓			
5/23/05	D0529	03B	KG			
5/23/05	MB-18087		KG			
	LCS-18087					
	D0521	01A				
		02A				
		03A				
		04A				
		05A				
		06A				
		07A				
		08A				
		09A				
		10A				
		11A				
		12A				
		13A				
		14A				
		15A				
		16A				
		17A				
		18A				
		19A				
		20A				
↓	↓	MS 20A	↓	↓	↓	
5/23/05	D0521	MSD 20A	KG	SZ	R11	

Logbook ID: 60.0132-10/04 Reviewed by KL 6/1/05 Page #: 082

MITKEM CORPORATION EXTRACTS TRANSFER LOGBOOK: PESTICIDES/PCB ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred by	Received by	Storage Location	Comments
5.27.05	MB 18108		TB	[illegible]	R4	Transferred 5.25.05
	LCS 18108					
	D0523	01A				
	D0529	01A				
		MS 01A				
5.27.05	D0529	01A MSD	TB	[illegible]	R4	transfered 5.25.05
5.27.05	MB 18278		[illegible]	SZ	R11	
	LCS 18278					
	D0582	01 D				
		02 D				
		03 D				
		04 D				
		05 D				
		01 D MS				
5.27.05	D0582	01 D MSD	[illegible]			
5.31.05	MB 18315		[illegible]			
	LCS 18315					
	D0620	01 A				
		01 A MS				
5.31.05	D0620	01 A MSD	[illegible]	SZ		
	MB-18278					
	LCS-18278					
	D0577-	04B				
5-31-05	D0577	15B		SZ	R11	

Logbook ID: 60.0132-10/04 Reviewed by KC 6/1/05 Page #: 085

* Metals/Cyanide *

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

SOW No.: ILM04.1

EPA Sample No.	Lab Sample ID.
B-390	D0529-01
B-390D	D0529-01DUP
B-390S	D0529-01MS
RINSATE2	D0529-03
RINSATE2D	D0529-03DUP
RINSATE2S	D0529-03MS

Were ICP interelement corrections applied?	Yes/No	YES
Were ICP background corrections applied?	Yes/No	YES
If yes-were raw data generated before application of background corrections?	Yes/No	NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature

Signature: Sharyn B Lawler Name: Sharyn B. Lawler

Date: 5/27/05 Title: Data Reviewer

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

B-390

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Matrix (soil/water): SOIL Lab Sample ID: D0529-01

Level (low/med): MED Date Received: 05/07/05

% Solids: 83.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6640			P
7440-36-0	Antimony	0.36	U	N	P
7440-38-2	Arsenic	13.8		*	P
7440-39-3	Barium	65.1			P
7440-41-7	Beryllium	0.27	B		P
7440-43-9	Cadmium	0.28	B		P
7440-70-2	Calcium	45400		*	P
7440-47-3	Chromium	9.5		*	P
7440-48-4	Cobalt	5.7	B		P
7440-50-8	Copper	25.2		E	P
7439-89-6	Iron	18900		*	P
7439-92-1	Lead	11.0			P
7439-95-4	Magnesium	8650		*	P
7439-96-5	Manganese	583		*	P
7440-02-0	Nickel	12.6			P
7440-09-7	Potassium	704	B		P
7782-49-2	Selenium	0.54	U	N	P
7440-22-4	Silver	0.13	U	N	P
7440-23-5	Sodium	108	B		P
7440-28-0	Thallium	0.36	U		P
7440-62-2	Vanadium	12.2			P
7440-66-6	Zinc	58.0			P
7439-97-6	Mercury	0.060	U		CV
	Cyanide	0.12	U		CA

Color Before: MIX Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

RINSATE2

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Matrix (soil/water): WATER Lab Sample ID: D0529-03

Level (low/med): MED Date Received: 05/07/05

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	39.4	B		P
7440-36-0	Antimony	2.5	B		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	1.8	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	331	B		P
7440-47-3	Chromium	0.50	U		P
7440-48-4	Cobalt	0.61	B		P
7440-50-8	Copper	4.5	B		P
7439-89-6	Iron	22.7	B		P
7439-92-1	Lead	0.90	U		P
7439-95-4	Magnesium	38.7	B		P
7439-96-5	Manganese	0.85	B		P
7440-02-0	Nickel	0.83	B		P
7440-09-7	Potassium	55	U		P
7782-49-2	Selenium	3.0	U		P
7440-22-4	Silver	1.6	B		P
7440-23-5	Sodium	107	B		P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	0.40	U		P
7440-66-6	Zinc	27.3			P
7439-97-6	Mercury	0.13	U		CV
	Cyanide	2.0	U		CA

Color Before: COLORLES Clarity Before: CLEAR Texture:

Color After: COLORLES Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Mercury	2.0	2.03	101.7	5.0	4.68	93.6	4.62	92.5	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Mercury				5.0	4.69	93.8			CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Cyanide	250.0	271.48	108.6	200.0	223.03	111.5	224.54	112.3	CA

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Cyanide				200.0	224.51	112.3	219.68	109.8	CA

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)		M
Cyanide				200.0	218.14	109.1	216.21	108.1		CA

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)		M
Cyanide	250.0	272.27	108.9	200.0	227.09	113.5	227.24	113.6		CA

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)		M
Cyanide				200.0	227.72	113.9	229.19	114.6		CA

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum	15000.0	14993.37	100.0	10000.0	9922.37	99.2	9631.33	96.3	P
Arsenic	750.0	777.20	103.6	500.0	516.94	103.4	504.56	100.9	P
Barium	15000.0	15635.85	104.2	10000.0	10710.92	107.1	10417.48	104.2	P
Beryllium	375.0	382.09	101.9	250.0	258.57	103.4	252.34	100.9	P
Cadmium	375.0	380.51	101.5	250.0	256.22	102.5	249.26	99.7	P
Calcium	37500.0	38444.02	102.5	25000.0	25461.33	101.8	24632.78	98.5	P
Chromium	1500.0	1524.15	101.6	1000.0	1022.03	102.2	994.78	99.5	P
Cobalt	3750.0	3827.33	102.1	2500.0	2571.24	102.8	2521.80	100.9	P
Copper	1875.0	1902.17	101.4	1250.0	1285.31	102.8	1238.09	99.0	P
Iron	7500.0	7504.13	100.1	5000.0	5069.60	101.4	4914.94	98.3	P
Lead	750.0	769.18	102.6	500.0	519.95	104.0	502.18	100.4	P
Magnesium	37500.0	38243.93	102.0	25000.0	25904.43	103.6	25166.95	100.7	P
Manganese	3750.0	3835.00	102.3	2500.0	2568.21	102.7	2519.83	100.8	P
Nickel	3750.0	3809.40	101.6	2500.0	2553.44	102.1	2519.00	100.8	P
Selenium	750.0	767.09	102.3	500.0	510.96	102.2	497.06	99.4	P
Silver	1875.0	2045.67	109.1	1250.0	1260.05	100.8	1211.10	96.9	P
Thallium	750.0	766.96	102.3	500.0	520.05	104.0	503.31	100.7	P
Vanadium	3750.0	3833.70	102.2	2500.0	2582.68	103.3	2513.14	100.5	P
Zinc	3750.0	3829.77	102.1	2500.0	2628.60	105.1	2541.61	101.7	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	9958.80	99.6	9890.72	98.9	P
Arsenic				500.0	518.65	103.7	514.64	102.9	P
Barium				10000.0	10648.90	106.5	10584.70	105.8	P
Beryllium				250.0	258.17	103.3	256.29	102.5	P
Cadmium				250.0	255.52	102.2	253.42	101.4	P
Calcium				25000.0	25476.25	101.9	25328.34	101.3	P
Chromium				1000.0	1019.22	101.9	1014.74	101.5	P
Cobalt				2500.0	2581.87	103.3	2563.01	102.5	P
Copper				1250.0	1286.65	102.9	1268.72	101.5	P
Iron				5000.0	5084.61	101.7	5025.67	100.5	P
Lead				500.0	512.80	102.6	510.92	102.2	P
Magnesium				25000.0	25985.58	103.9	25596.22	102.4	P
Manganese				2500.0	2585.44	103.4	2570.91	102.8	P
Nickel				2500.0	2587.27	103.5	2558.44	102.3	P
Selenium				500.0	514.50	102.9	514.24	102.8	P
Silver				1250.0	1219.64	97.6	1206.75	96.5	P
Thallium				500.0	512.19	102.4	513.01	102.6	P
Vanadium				2500.0	2573.77	103.0	2555.85	102.2	P
Zinc				2500.0	2617.86	104.7	2584.73	103.4	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	9784.25	97.8			P
Arsenic				500.0	516.51	103.3			P
Barium				10000.0	10425.60	104.3			P
Beryllium				250.0	253.03	101.2			P
Cadmium				250.0	250.57	100.2			P
Calcium				25000.0	25105.55	100.4			P
Chromium				1000.0	1001.65	100.2			P
Cobalt				2500.0	2534.23	101.4			P
Copper				1250.0	1262.05	101.0			P
Iron				5000.0	4981.64	99.6			P
Lead				500.0	505.61	101.1			P
Magnesium				25000.0	25514.44	102.1			P
Manganese				2500.0	2542.25	101.7			P
Nickel				2500.0	2535.59	101.4			P
Selenium				500.0	510.25	102.0			P
Silver				1250.0	1202.24	96.2			P
Thallium				500.0	505.93	101.2			P
Vanadium				2500.0	2520.93	100.8			P
Zinc				2500.0	2568.57	102.7			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Sodium	37500.0	38842.74	103.6	25000.0	25561.64	102.2	26118.98	104.5	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Sodium				25000.0	26022.34	104.1			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Potassium	37500.0	37091.37	98.9	25000.0	24988.40	100.0	25157.60	100.6	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Potassium				25000.0	25303.30	101.2			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony	750.0	771.73	102.9	500.0	520.84	104.2	529.66	105.9	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony				500.0	535.97	107.2			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Mercury	0.2	0.21	107.4					

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				20.0	21.55	107.7	20.17	100.8
Beryllium				10.0	10.18	101.8	10.05	100.5
Cadmium				10.0	10.61	106.1	10.55	105.5
Chromium				20.0	21.02	105.1	20.39	101.9
Cobalt				100.0	106.24	106.2	106.32	106.3
Copper				50.0	55.25	110.5	51.07	102.1
Lead				6.0	7.16	119.3	6.27	104.4
Manganese				30.0	31.62	105.4	32.63	108.8
Nickel				80.0	86.50	108.1	86.56	108.2
Selenium				10.0	11.53	115.3	11.73	117.3
Silver				20.0	33.02	165.1	21.73	108.7
Thallium				20.0	21.59	107.9	20.81	104.1
Vanadium				100.0	104.24	104.2	102.40	102.4
Zinc				40.0	55.24	138.1	53.17	132.9

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				20.0			20.16	100.8
Beryllium				10.0			10.14	101.4
Cadmium				10.0			10.61	106.1
Chromium				20.0			20.73	103.6
Cobalt				100.0			107.45	107.5
Copper				50.0			53.33	106.7
Lead				6.0			5.93	98.8
Manganese				30.0			32.40	108.0
Nickel				80.0			87.02	108.8
Selenium				10.0			14.03	140.3
Silver				20.0			21.28	106.4
Thallium				20.0			21.90	109.5
Vanadium				100.0			103.43	103.4
Zinc				40.0			50.80	127.0

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
Analyte	True	Found	%R	True	Found	%R	Found	%R
Antimony				120.0	126.78	105.7	130.42	108.7

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Mercury									0.050	U	CV

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Cyanide	-2.1	B	-2.1	B	-6.1	B	2.0	U	-0.113	B	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Cyanide			-2.3	B	-2.1	B	-2.7	B			CA

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Cyanide	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Cyanide			2.0	U							CA

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	18.0	U	22.3	B	18.0	U	31.6	B	3.600	U	
Arsenic	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	
Barium	0.7	B	1.5	B	1.2	B	1.2	B	0.217	B	
Beryllium	0.2	U	0.2	U	0.2	U	0.2	U	0.040	U	
Cadmium	0.2	U	0.2	U	0.2	U	0.2	U	0.040	U	
Calcium	50.0	U	51.8	B	50.0	U	50.0	U	21.140	B	
Chromium	0.5	U	0.5	B	0.5	U	0.5	U	0.100	U	
Cobalt	0.4	B	0.7	B	0.4	B	0.6	B	0.080	U	
Copper	3.8	B	5.3	B	3.5	B	4.9	B	0.936	B	
Iron	4.0	U	8.7	B	10.3	B	9.5	B	5.228	B	
Lead	0.9	U	0.9	U	0.9	U	0.9	U	0.180	U	
Magnesium	9.0	U	97.8	B	9.0	U	81.2	B	1.800	U	
Manganese	0.4	U	0.4	U	0.4	U	0.4	U	0.182	B	
Nickel	0.7	U	0.8	B	0.7	U	0.8	B	0.140	U	
Selenium	3.0	U	3.0	U	3.0	U	3.0	U	0.600	U	
Silver	6.7	B	2.4	B	0.7	U	0.7	B	0.182	B	
Thallium	2.0	U	2.0	U	2.4	B	2.0	U	0.400	U	
Vanadium	0.4	U	0.4	U	0.4	U	0.4	U	0.080	U	
Zinc	5.1	B	6.3	B	7.7	B	5.8	B	3.893	B	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			24.4	B	29.0	B			26.446	B	P
Arsenic			2.0	U	2.0	U			2.000	U	P
Barium			0.9	B	0.9	B			1.188	B	P
Beryllium			0.2	U	0.2	U			0.200	U	P
Cadmium			0.2	U	0.2	U			0.200	U	P
Calcium			50.0	U	50.0	U			174.660	B	P
Chromium			0.5	U	0.5	U			0.500	U	P
Cobalt			0.4	B	0.7	B			0.615	B	P
Copper			3.7	B	5.1	B			4.483	B	P
Iron			4.0	U	6.2	B			15.250	B	P
Lead			0.9	U	0.9	U			0.900	U	P
Magnesium			9.0	U	91.9	B			18.695	B	P
Manganese			0.7	B	0.4	U			1.671	B	P
Nickel			0.7	U	0.8	B			0.928	B	P
Selenium			3.0	U	3.0	U			3.000	U	P
Silver			0.7	B	0.7	U			1.667	B	P
Thallium			2.0	U	2.0	U			2.000	U	P
Vanadium			0.5	B	0.4	U			0.400	U	P
Zinc			5.3	B	4.9	B			18.634	B	P

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Sodium	32.0	U	39.5	B	32.0	U	32.0	U	6.574	B	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Sodium									32.000	U	P

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Potassium	55.0	U	55.0	U	55.0	U	55.0	U	11.000	U	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Potassium									-83.081	B	P

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Antimony	11.5	B	2.4	B	5.7	B	3.5	B	1.202	B	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Antimony									3.512	B	P

FORM III - IN ILM04.1

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

ICP ID Number: OPTIMA2 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	471600	470942.5	94.2	471034	470947.5	94.2
Arsenic	0	100	4	96.8	96.8	2	95.2	95.2
Barium	0	500	-4	485.5	97.1	-4	470.7	94.1
Beryllium	0	500	0	461.3	92.3	0	457.5	91.5
Cadmium	0	1000	4	880.2	88.0	4	861.4	86.1
Calcium	500000	500000	478280	486350.2	97.3	476556	475759.1	95.2
Chromium	0	500	1	461.4	92.3	1	450.4	90.1
Cobalt	0	500	-1	443.4	88.7	-1	443.4	88.7
Copper	0	500	-3	473.5	94.7	-4	462.2	92.4
Iron	200000	200000	169478	169575.8	84.8	168716	168861.3	84.4
Lead	0	50	1	42.9	85.8	-1	41.6	83.2
Magnesium	500000	500000	456850	457285.5	91.5	457136	457661.7	91.5
Manganese	0	500	11	480.1	96.0	12	475.3	95.1
Nickel	0	1000	-11	863.8	86.4	-11	856.1	85.6
Selenium	0	50	-1	44.6	89.2	-2	47.8	95.6
Silver	0	200	6	204.5	102.2	3	201.1	100.6
Thallium	0	100	1	88.3	88.3	1	86.3	86.3
Vanadium	0	500	0	472.6	94.5	0	459.9	92.0
Zinc	0	1000	-1	867.9	86.8	-2	852.1	85.2

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

ICP ID Number: OPTIMA2 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	470915	475801.7	95.2			
Arsenic	0	100	2	97.0	97.0			
Barium	0	500	-4	479.5	95.9			
Beryllium	0	500	0	461.5	92.3			
Cadmium	0	1000	4	871.7	87.2			
Calcium	500000	500000	481342	485585.1	97.1			
Chromium	0	500	1	457.5	91.5			
Cobalt	0	500	-1	445.2	89.0			
Copper	0	500	-4	473.2	94.6			
Iron	200000	200000	168530	170187.6	85.1			
Lead	0	50	0	43.2	86.4			
Magnesium	500000	500000	456388	461491.1	92.3			
Manganese	0	500	10	483.1	96.6			
Nickel	0	1000	-11	871.4	87.1			
Selenium	0	50	-2	43.4	86.8			
Silver	0	200	2	204.2	102.1			
Thallium	0	100	-1	86.8	86.8			
Vanadium	0	500	0	467.1	93.4			
Zinc	0	1000	-3	860.2	86.0			

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Sodium	0	0	85	75.6		40	40.5	

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Potassium	0	0	106	81.0		61	62.3	

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Antimony	0	600	-4	594.0	99.0	-8	619.4	103.2

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
B-390

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 83.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	7.7201	B	0.3596	U	17.98	42.9	N	P
Arsenic	75-125	20.0887		13.7969		7.19	87.5		P
Barium	75-125	428.2479		65.1424		359.65	101.0		P
Beryllium	75-125	9.0799		0.2698	B	8.99	98.0		P
Cadmium	75-125	1.0675		0.2847	B	0.90	87.0		P
Chromium	75-125	42.4477		9.5436		35.96	91.5		P
Cobalt	75-125	93.5605		5.6579	B	89.91	97.8		P
Copper	75-125	68.1669		25.1753		44.96	95.6		P
Lead	75-125	13.8279		11.0477		3.60	77.2		P
Manganese		527.8071		583.0751		89.91	-61.5		P
Nickel	75-125	98.8829		12.6334		89.91	95.9		P
Selenium	75-125	0.5395	U	0.5395	U	1.80	0.0	N	P
Silver	75-125	4.5022		0.1259	U	8.99	50.1	N	P
Thallium	75-125	8.4597		0.3596	U	8.99	94.1		P
Vanadium	75-125	98.6980		12.2315		89.91	96.2		P
Zinc	75-125	138.7706		57.9685		89.91	89.9		P
Mercury	75-125	1.2204		0.0602	U	1.20	101.7		CV
Cyanide	75-125	6.0387		0.1158	U	5.79	104.3		CA

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
RINSATE2

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cyanide	75-125	85.0935		2.0000	U	100.00	85.1		CA

Comments:

FORM V (Part 1) - IN

ILM04.1

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
B-390

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		132.65		2.00	U	455.0	29.2		P
Selenium		3.00	U	3.00	U	455.0	0.0		P

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO
B-390

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 83.0 % Solids for Duplicate: 83.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		6638.7447		5566.5979		17.6		P
Antimony		0.3596	U	0.3596	U			P
Arsenic		13.7969		9.7019		34.9	*	P
Barium	36.0	65.1424		52.8401		20.9		P
Beryllium		0.2698	B	0.2087	B	25.5		P
Cadmium		0.2847	B	0.2066	B	31.8		P
Calcium		45358.7953		24639.0322		59.2	*	P
Chromium	1.8	9.5436		7.0209		30.5	*	P
Cobalt		5.6579	B	4.6700	B	19.1		P
Copper		25.1753		22.7102		10.3		P
Iron		18899.5114		15190.9748		21.8	*	P
Lead		11.0477		9.0809		19.5		P
Magnesium	900.0	8651.3026		4420.3337		64.7	*	P
Manganese		583.0751		344.8852		51.3	*	P
Nickel	7.2	12.6334		10.6700		16.9		P
Potassium		703.7789	B	526.5231	B	28.8		P
Selenium		0.5395	U	0.5395	U			P
Silver		0.1259	U	0.1259	U			P
Sodium		108.4269	B	83.6421	B	25.8		P
Thallium		0.3596	U	0.3596	U			P
Vanadium	9.0	12.2315		7.8234	B	44.0		P
Zinc		57.9685		49.4149		15.9		P
Mercury		0.0602	U	0.0602	U			CV
Cyanide		0.1158	U	0.1158	U			CA

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6
DUPLICATES

EPA SAMPLE NO
RINSATE2

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cyanide		2.0000	U	2.0000	U			CA

7
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Solid LCS Source:

Aqueous LCS Source:

LCS-18106

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Cyanide				88.4	76.8		35.3	141.7	86.9

7
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Solid LCS Source:

Aqueous LCS Source:

LCS-18174

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Mercury				8.4	11.2		4.3	12.5	133.3

7
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Solid LCS Source:

Aqueous LCS Source:

LCS-18176

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	9094.52	99.9						
Antimony	455.0	533.55	117.3						
Arsenic	455.0	480.65	105.6						
Barium	9100.0	9746.69	107.1						
Beryllium	227.0	238.67	105.1						
Cadmium	227.0	236.78	104.3						
Calcium	22700.0	23383.69	103.0						
Chromium	910.0	920.29	101.1						
Cobalt	2270.0	2353.13	103.7						
Copper	1130.0	1185.93	104.9						
Iron	4550.0	4562.14	100.3						
Lead	455.0	480.06	105.5						
Magnesium	22700.0	23588.05	103.9						
Manganese	2270.0	2362.62	104.1						
Nickel	2270.0	2345.41	103.3						
Potassium	22700.0	23137.87	101.9						
Selenium	455.0	483.51	106.3						
Silver	1130.0	1161.20	102.8						
Sodium	22700.0	24509.89	108.0						
Thallium	455.0	478.91	105.3						
Vanadium	2270.0	2373.20	104.5						
Zinc	2270.0	2397.28	105.6						

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7
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Solid LCS Source:

Aqueous LCS Source:

LCS-18177

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				7270.0	6522.1		4210.1	10300.1	89.7
Antimony				52.5	30.9		6.0	117.0	58.9
Arsenic				111.0	111.5		88.5	133.0	100.5
Barium				195.0	212.0		160.0	230.0	108.7
Beryllium				62.5	62.3		51.3	73.7	99.7
Cadmium				110.0	112.4		89.7	130.0	102.2
Calcium				4120.0	3867.1		3260.2	4979.8	93.9
Chromium				154.0	153.4		121.0	187.0	99.6
Cobalt				63.3	65.3		51.8	74.8	103.2
Copper				107.0	106.8		88.1	126.0	99.8
Iron				11500.0	9133.2		6599.8	16400.2	79.4
Lead				158.0	165.3		127.0	189.0	104.6
Magnesium				2380.0	2410.4		1790.0	2970.0	101.3
Manganese				328.0	330.2		262.0	394.0	100.7
Nickel				160.0	165.7		130.0	190.0	103.6
Potassium				1880.0	1912.1		1340.1	2419.9	101.7
Selenium				94.4	91.3		71.3	117.0	96.7
Silver				102.0	91.7		62.5	142.0	89.9
Sodium				871.0	931.9	B	484.0	1260.0	107.0
Thallium				88.6	96.0		67.0	110.0	108.4
Vanadium				74.8	68.7		55.9	93.7	91.8
Zinc				187.0	199.7		148.0	226.0	106.8

9

ICP SERIAL DILUTIONS

B-390

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	36918.06		37360.71		1.2		P
Antimony	2.00	U	30.70	B			P
Arsenic	76.72		82.56		7.6		P
Barium	362.26		387.17	B	6.9		P
Beryllium	1.50	B	1.51	B	0.7		P
Cadmium	1.58	B	1.39	B	12.0		P
Calcium	252240.26		255606.16		1.3		P
Chromium	53.07		55.96		5.4		P
Cobalt	31.46	B	34.16	B	8.6		P
Copper	140.00		154.76		10.5	E	P
Iron	105100.18		114131.15		8.6		P
Lead	61.44		57.83		5.9		P
Magnesium	48109.89		52066.72		8.2		P
Manganese	3242.48		3449.63		6.4		P
Nickel	70.25		76.81	B	9.3		P
Potassium	3913.71	B	3970.58	B	1.5		P
Selenium	3.00	U	15.00	U			P
Silver	0.70	U	3.50	U			P
Sodium	602.96	B	551.47	B	8.5		P
Thallium	2.00	U	10.00	U			P
Vanadium	68.02		70.85	B	4.2		P
Zinc	322.36		354.16		9.9		P

9
ICP SERIAL DILUTIONS

RINSATE2

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Matrix (soil/water): WATER Level (low/med): MED

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	39.38	B	197.71	B	402.1		P
Antimony	2.54	B	10.00	U	293.7		P
Arsenic	2.00	U	10.00	U			P
Barium	1.82	B	2.00	U	9.9		P
Beryllium	0.20	U	1.00	U			P
Cadmium	0.20	U	1.00	U			P
Calcium	330.77	B	250.00	U	24.4		P
Chromium	0.50	U	2.50	U			P
Cobalt	0.61	B	2.00	U	227.9		P
Copper	4.46	B	5.41	B	21.3		P
Iron	22.70	B	20.00	U	11.9		P
Lead	0.90	U	4.50	U			P
Magnesium	38.70	B	77.41	B	100.0		P
Manganese	0.85	B	2.00	U	135.3		P
Nickel	0.83	B	3.50	U	321.7		P
Potassium	55.00	U	275.00	U			P
Selenium	3.00	U	15.00	U			P
Silver	1.59	B	3.50	U	120.1		P
Sodium	107.36	B	160.00	U	49.0		P
Thallium	2.00	U	10.00	U			P
Vanadium	0.40	U	2.00	U			P
Zinc	27.25		33.86	B	24.3		P

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10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

ICP ID Number: Date: 04/01/05

Flame AA ID Number: FIMS1 TestCode: ILM4.1_HG_W

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (UG/L)	IDL (UG/L)	M
Mercury	253.70		0.2	0.1	CV

Comments:

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10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

ICP ID Number: Date: 04/01/05

Flame AA ID Number: LACHAT1 TestCode: ILM4.1_CN_W

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (UG/L)	IDL (UG/L)	M
Cyanide			10	2.0	CA

Comments:

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

ICP ID Number: OPTIMA2 Date: 04/01/05

Flame AA ID Number: TestCode: ILM4.1_ICP_W

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (UG/L)	IDL (UG/L)	M
Aluminum	308.21		200	18.0	P
Arsenic	188.98		10	2.0	P
Barium	233.53		200	0.4	P
Beryllium	313.11		5.0	0.2	P
Cadmium	226.50		5.0	0.2	P
Calcium	227.54		5000	50.0	P
Chromium	267.72		10	0.5	P
Cobalt	228.62		50	0.4	P
Copper	324.75		25	1.0	P
Iron	273.96		100	4.0	P
Lead	220.35		3.0	0.9	P
Magnesium	279.08		5000	9.0	P
Manganese	257.61		15	0.4	P
Nickel	231.60		40	0.7	P
Selenium	196.03		5.0	3.0	P
Silver	328.07		10	0.7	P
Thallium	190.80		10	2.0	P
Vanadium	292.40		50	0.4	P
Zinc	206.20		20	2.0	P

Comments:

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10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

ICP ID Number: OPTIMA3 Date: 04/01/05

Flame AA ID Number: TestCode: ILM4.1_ICP_W

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (UG/L)	IDL (UG/L)	M
Antimony	206.83		60	2.0	P
Potassium	766.49		5000	55.0	P
Sodium	589.59		5000	32.0	P

Comments:

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11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

ICP ID Number: OPTIMA2 Date: 3/30/05

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	308.21		0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0174150	-0.0031006	0.1190830	0.0081035	5.7478200
Arsenic	188.97	0.0728007	0.0000000	0.0111660	0.0111660	-5.3346900
Barium	233.52	0.0046014	0.0068611	0.1471710	0.0036820	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	-0.0035740	0.0000000	0.0664913	0.0000000	0.0000000
Calcium	227.54	-0.5000390		12.8307000	0.0000000	5.5746300
Chromium	267.71	0.0000000	0.0000000	0.0000000	0.0000000	
Cobalt	228.61	0.0000000	0.0000000	0.0250613	0.0000000	-0.0557816
Copper	324.75	0.0072906	0.0039852	-0.1106930	0.0033097	0.1265570
Iron	273.95	0.0000000	0.0000000		0.0000000	0.0000000
Lead	220.35	-0.2678550	-0.0170279	-0.0228521	0.0021432	-0.1462470
Magnesium	279.07	0.0000000	0.0000000	-0.3250520		0.0000000
Manganese	257.61	-0.0388603	0.0047481	-0.5591400	0.0077324	-0.5826900
Nickel	231.60	0.0000000	0.0000000	0.0000302	0.0000000	0.0000000
Selenium	196.02	-0.0555964	-0.0182908	-0.0004092	-0.0058448	-0.0625148
Silver	328.06	0.3719790	0.5376300	-0.0000575	0.0509589	0.1291050
Sodium	330.24	0.3088000	0.5913160	-1.5536100	0.0000000	0.0000000
Thallium	190.80	0.0623562	-0.0110972	0.0000000	0.0062609	0.1560700
Vanadium	292.40	0.0000000	0.0000000	-0.0108800	-0.0030049	-1.6625200
Zinc	206.2	0.0105770	0.0063648	0.0243549	0.0478891	-2.4316200

Comments:

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11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

ICP ID Number: OPTIMA2 Date: 3/30/05

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cu	Mn	Ni	Tl	Ti
Aluminum	308.21	0.0000000	3.5113200	0.0000000	0.0000000	7.7972300
Antimony	206.83	0.0635122	0.0000000	-0.6345370	0.0000000	0.0000000
Arsenic	188.97	0.0950247	0.0943115	0.0353420	0.0000000	0.0000000
Barium	233.52	0.0000000	0.0000000	0.0363350	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	-1.3160900
Cadmium	226.50	0.0000000	0.0000000	-0.2330110	0.0000000	0.0000000
Calcium	227.54	15.2080000	4.8753100	26.9670000	0.0000000	9.7776700
Chromium	267.71	0.3955010	0.5395740	0.0680176	0.1064640	0.3212980
Cobalt	228.61	0.0000000	0.0000000	0.1294980	0.0000000	1.6297500
Copper	324.75		0.7489700	0.1716190	0.2134400	0.6450550
Iron	273.95	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	-0.0913612	0.0505016	-0.6345370	0.0000000	-0.5608130
Magnesium	279.07	0.0000000	-17.7574000	0.0000000	0.0000000	-7.9278400
Manganese	257.61	0.0000000		0.0224954	0.1603130	0.4882460
Nickel	231.60	0.0000000	0.0000000		0.9385730	1.7139400
Selenium	196.02	0.0619276	0.6810920	0.0000000	0.0000000	0.0000000
Silver	328.06	0.1111620	0.0927470	0.0262930	0.0894754	0.0000000
Sodium	330.24	-11.2798000	0.0000000	0.0000000	0.0000000	-588.4260000
Thallium	190.80	0.0000000	-1.3575900	-0.0201988		0.5053050
Vanadium	292.40	0.0000000	-0.0678184	0.0000000	0.0000000	0.2716680
Zinc	206.2	0.0000000	0.1280170	0.0329218	0.2110700	0.5658720

Comments:

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11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

ICP ID Number: OPTIMA2 Date: 3/30/05

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	___	___	___	___
Aluminum	308.21	14.9737000				
Antimony	206.83	-1.4152400				
Arsenic	188.97	0.0696804				
Barium	233.52	0.5825770				
Beryllium	313.10	0.0000000				
Cadmium	226.50	0.0000000				
Calcium	227.54	42.7958000				
Chromium	267.71	-0.1479760				
Cobalt	228.61	0.0000000				
Copper	324.75	-0.2133690				
Iron	273.95	58.8950000				
Lead	220.35	-0.0935740				
Magnesium	279.07	-1.7446300				
Manganese	257.61	-0.1035920				
Nickel	231.60	0.1378080				
Selenium	196.02	0.2808450				
Silver	328.06	-1.0256500				
Sodium	330.24	0.0000000				
Thallium	190.80	2.1012200				
Vanadium	292.40					
Zinc	206.2	0.0217066				

Comments:

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11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

ICP ID Number: OPTIMA3 Date: 3/30/05

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	308.21		0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	-0.0517312	0.0000000	15.4803000
Arsenic	188.97	0.0045356	0.0024744	-0.0285871	0.0092064	0.1871210
Barium	233.52	0.0025226	0.0068006	0.0333679	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0411486	0.0000000	0.0000000
Calcium	227.54	0.0000000		27.1137000	0.2574310	4.3574700
Chromium	267.71	0.0000000	0.0021322	-0.0049863	0.0000000	
Cobalt	228.61	0.0000000	0.0000000	0.0222111	0.0000000	-0.0728049
Copper	324.75	0.0134956	0.0000000	-0.2539560	-0.0033103	-0.0915122
Iron	273.95	0.0000000	0.0000000		0.0000000	0.0000000
Lead	220.35	-0.0876746	-0.0229064	0.0293723	0.0033855	-0.0939601
Magnesium	279.07	0.0000000	0.0000000	0.6940750		0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0238222	-0.0405452
Nickel	231.60	0.0000000	0.0031128	0.0185769	0.0000000	0.0000000
Selenium	196.02	-0.0296877	-0.0209754	-0.1962320	-0.0169028	0.0432675
Silver	328.06	0.3670370	0.5515260	0.0549539	0.0058626	0.0000000
Sodium	330.24	0.0721289	1.6032800	-1.5017600	-0.0869609	10.6933000
Thallium	190.80	0.0000000	0.0099136	-0.0481012	-0.0155318	0.2873470
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	-2.5362100
Zinc	206.2	0.0055655	0.0000000	0.0134116	0.0450133	-3.7838400

Comments:

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11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

ICP ID Number: OPTIMA3 Date: 3/30/05

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cu	Mn	Ni	Tl	Ti
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0782287	-0.1102270	-0.8122530	0.0000000	0.2031080
Arsenic	188.97	0.0000000	0.0000000	0.0186825	-0.0952024	0.0000000
Barium	233.52	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	-1.1853200
Cadmium	226.50	0.0000000	0.0000000	-0.2560290	0.0000000	0.0000000
Calcium	227.54	9.2404200	4.8478000	45.3181000	0.0000000	6.0943300
Chromium	267.71	0.0000000	0.2669770	0.0000000	0.0000000	0.1082320
Cobalt	228.61	0.0000000	0.0000000	0.0935109	0.0000000	2.1801300
Copper	324.75		0.0000000	0.0000000	0.0865919	0.1871190
Iron	273.95	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.2515750	0.1073900	0.0000000	0.0000000	-0.1902580
Magnesium	279.07	0.0000000	-3.4112600	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000		0.0000000	0.1517340	0.5352630
Nickel	231.60	0.0000000	0.0507419		0.2032970	0.0014408
Selenium	196.02	-0.0634704	0.8209090	0.0315190	-0.1350020	-0.1919800
Silver	328.06	0.0000000	0.0774532	-0.0602150	-0.0850740	0.3390440
Sodium	330.24	-4.8099800	0.0000000	2.6787200	-4.5025700	380.7280000
Thallium	190.80	0.0000000	-2.3409500	0.0450492		0.7407530
Vanadium	292.40	0.0000000	-0.0539501	0.0000000	0.0000000	0.6419912
Zinc	206.2	0.0000000	0.3582140	0.0000000	0.1493410	0.4049780

Comments:

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11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

ICP ID Number: OPTIMA3 Date: 3/30/05

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	___	___	___	___
Aluminum	308.21	-24.1150000				
Antimony	206.83	-0.1104220				
Arsenic	188.97	0.1568980				
Barium	233.52	-0.6748410				
Beryllium	313.10	-0.0346689				
Cadmium	226.50	0.0000000				
Calcium	227.54	58.0892000				
Chromium	267.71	-0.3813230				
Cobalt	228.61	0.0000000				
Copper	324.75	-0.1314340				
Iron	273.95	30.6163000				
Lead	220.35	-0.0674069				
Magnesium	279.07	0.0000000				
Manganese	257.61	-0.0342472				
Nickel	231.60	0.0000000				
Selenium	196.02	-0.0783879				
Silver	328.06	-5.7249500				
Sodium	330.24	3.2989700				
Thallium	190.80	0.0000000				
Vanadium	292.40					
Zinc	206.2	0.0000000				

Comments:

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ICP LINEAR RANGES (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

ICP ID Number: OPTIMA2 Date: 04/01/2005

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	0.20	500000	P
Arsenic	0.20	25000	P
Barium	0.20	50000	P
Beryllium	0.20	1000	P
Cadmium	0.20	10000	P
Calcium	0.20	500000	P
Chromium	0.20	25000	P
Cobalt	0.20	50000	P
Copper	0.20	25000	P
Iron	0.20	300000	P
Lead	0.20	50000	P
Magnesium	0.20	500000	P
Manganese	0.20	25000	P
Nickel	0.20	50000	P
Selenium	0.20	25000	P
Silver	0.20	2500	P
Thallium	0.20	25000	P
Vanadium	0.20	50000	P
Zinc	0.20	25000	P

Comments:

U.S. EPA - CLP

12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

ICP ID Number: OPTIMA3 Date: 04/01/2005

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Antimony	0.20	50000	P
Potassium	0.20	250000	P
Sodium	0.20	250000	P

Comments:

U.S. EPA - CLP

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PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Method: CA

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
B-390	05/12/05	1.04	50
B-390D	05/12/05	1.04	50
B-390S	05/12/05	1.04	50
LCSS	05/12/05	1.03	50
PBS	05/12/05	1.00	50

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PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Method: CA

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PBW	05/16/05		50
RINSATE2	05/16/05		50
RINSATE2D	05/16/05		50
RINSATE2S	05/16/05		50

U.S. EPA - CLP

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PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PBW	05/18/05		100
RINSATE2	05/18/05		132

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PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
B-390	05/18/05	0.20	100
B-390D	05/18/05	0.20	100
B-390S	05/18/05	0.20	100
LCSS	05/18/05	0.20	100
PBS	05/18/05	0.20	100

U.S. EPA - CLP

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PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSW	05/18/05		50
PBW	05/18/05		50
RINSATE2	05/18/05		50

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PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
B-390	05/18/05	1.34	200
B-390D	05/18/05	1.34	200
B-390S	05/18/05	1.34	200
LCSS	05/18/05	1.00	200
PBS	05/18/05	1.00	200

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ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Instrument ID Number: FIMS1 Method: CV

Start Date: 05/18/2005 End Date: 05/18/2005

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1525																X								
S0.2	1.00	1527																X								
S1.0	1.00	1528																X								
S2.0	1.00	1529																X								
S5.0	1.00	1531																X								
S10.0	1.00	1532																X								
ICV	1.00	1533																X								
ICB	1.00	1535																X								
CRA	1.00	1536																X								
CCV	1.00	1537																X								
CCB	1.00	1539																X								
PBW	1.00	1540																X								
RINSATE2	1.00	1541																X								
ZZZZZZ	1.00	1543																								
ZZZZZZ	1.00	1544																								
ZZZZZZ	1.00	1545																								
CCV	1.00	1547																X								
CCB	1.00	1548																X								
PBS	1.00	1549																X								
ZZZZZZ	1.00	1551																								
ZZZZZZ	1.00	1552																								
B-390	1.00	1553																X								
B-390D	1.00	1555																X								
B-390S	1.00	1556																X								
LCSS	10.00	1557																X								
ZZZZZZ	1.00	1559																								
CCV	1.00	1600																X								
CCB	1.00	1601																X								

U.S. EPA - CLP

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ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Instrument ID Number: LACHAT1 Method: CA

Start Date: 05/13/2005 End Date: 05/13/2005

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1142																								X
S0.01	1.00	1144																								X
S0.025	1.00	1147																								X
S0.05	1.00	1149																								X
S0.10	1.00	1152																								X
S0.20	1.00	1154																								X
S0.40	1.00	1157																								X
ICV	1.00	1200																								X
ICB	1.00	1203																								X
CRA	1.00	1205																								X
CCV	1.00	1208																								X
CCB	1.00	1210																								X
ZZZZZZ	1.00	1213																								
ZZZZZZ	1.00	1216																								
ZZZZZZ	1.00	1218																								
ZZZZZZ	1.00	1221																								
CCV	1.00	1223																								X
CCB	1.00	1226																								X
ZZZZZZ	1.00	1228																								
ZZZZZZ	1.00	1231																								
ZZZZZZ	1.00	1233																								
ZZZZZZ	1.00	1236																								
ZZZZZZ	1.00	1238																								
ZZZZZZ	1.00	1241																								
ZZZZZZ	1.00	1243																								
ZZZZZZ	1.00	1246																								
CCV	1.00	1248																								X
CCB	1.00	1251																								X
ZZZZZZ	1.00	1253																								
ZZZZZZ	1.00	1256																								
ZZZZZZ	1.00	1258																								
ZZZZZZ	1.00	1301																								
ZZZZZZ	1.00	1303																								
ZZZZZZ	1.00	1306																								
ZZZZZZ	1.00	1309																								

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ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Instrument ID Number: LACHAT1 Method: CA

Start Date: 05/13/2005 End Date: 05/13/2005

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1311																								
CCV	1.00	1314																								X
CCB	1.00	1316																								X
ZZZZZZ	1.00	1319																								
PBS	1.00	1321																								X
ZZZZZZ	1.00	1324																								
B-390	1.00	1326																								X
B-390D	1.00	1329																								X
B-390S	1.00	1331																								X
ZZZZZZ	1.00	1334																								
CCV	1.00	1336																								X
CCB	1.00	1339																								X
ZZZZZZ	1.00	1341																								
LCSS	10.00	1445																								X
CCV	1.00	1447																								X
CCB	1.00	1450																								X

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ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Instrument ID Number: LACHAT1 Method: CA

Start Date: 05/17/2005 End Date: 05/17/2005

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1145																								X
S0.01	1.00	1147																								X
S0.025	1.00	1150																								X
S0.05	1.00	1152																								X
S0.10	1.00	1155																								X
S0.20	1.00	1157																								X
S0.40	1.00	1200																								X
ICV	1.00	1203																								X
ICB	1.00	1206																								X
CRA	1.00	1208																								X
CCV	1.00	1211																								X
CCB	1.00	1214																								X
ZZZZZZ	1.00	1216																								
ZZZZZZ	1.00	1219																								
ZZZZZZ	1.00	1221																								
ZZZZZZ	1.00	1224																								
CCV	1.00	1226																								X
CCB	1.00	1229																								X
ZZZZZZ	1.00	1231																								
ZZZZZZ	1.00	1234																								
ZZZZZZ	1.00	1236																								
ZZZZZZ	1.00	1239																								
ZZZZZZ	1.00	1241																								
ZZZZZZ	1.00	1244																								
ZZZZZZ	1.00	1246																								
ZZZZZZ	1.00	1249																								
CCV	1.00	1251																								X
CCB	1.00	1254																								X
ZZZZZZ	1.00	1256																								
PBW	1.00	1259																								X
RINSATE2	1.00	1301																								X
RINSATE2D	1.00	1304																								X
RINSATE2S	1.00	1307																								X
CCV	1.00	1309																								X
CCB	1.00	1312																								X

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ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Instrument ID Number: OPTIMA2 Method: P

Start Date: 05/19/2005 End Date: 05/19/2005

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1053		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
S1	1.00	1057		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ZZZZZZ	1.00	1102																										
ZZZZZZ	1.00	1106																										
ICV	1.00	1109		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICB	1.00	1119		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CRI	1.00	1123				X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1127		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1131		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.00	1136		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCB	1.00	1140		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ZZZZZZ	1.00	1144																										
ZZZZZZ	1.00	1148																										
ZZZZZZ	1.00	1152																										
ZZZZZZ	1.00	1156																										
ZZZZZZ	5.00	1201																										
ZZZZZZ	1.00	1205																										
ZZZZZZ	1.00	1209																										
CCV	1.00	1218		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCB	1.00	1223		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
PBS	1.00	1227		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
LCSS	1.00	1231		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ZZZZZZ	5.00	1235																										
ZZZZZZ	1.00	1239																										
B-390	1.00	1243		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CRI	1.00	1248				X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1252		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1256		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.00	1300		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCB	1.00	1304		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
B-390D	1.00	1309		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
B-390S	1.00	1313		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
B 390L	5.00	1317		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
B-390A	1.00	1321																			X							
RINSATE2	1.00	1325		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	

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ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Instrument ID Number: OPTIMA2 Method: P

Start Date: 05/19/2005 End Date: 05/19/2005

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
RINSATE2L	5.00	1329		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ZZZZZZ	1.00	1333																										
ZZZZZZ	5.00	1337																										
ZZZZZZ	1.00	1341																										
ZZZZZZ	1.00	1346																										
CCV	1.00	1350		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCB	1.00	1354		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
PBW	1.00	1358		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
LCSW	1.00	1402		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ZZZZZZ	1.00	1406																										
ZZZZZZ	1.00	1410																										
ZZZZZZ	1.00	1414																										
ZZZZZZ	1.00	1419																										
ZZZZZZ	1.00	1423																										
CRI	1.00	1427				X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1431		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1435		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.00	1440		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCB	1.00	1444		X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	

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ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Instrument ID Number: OPTIMA3 Method: P

Start Date: 05/19/2005 End Date: 05/19/2005

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1404																				X				
S1	1.00	1406																				X				
ICV	1.00	1408																				X				
ICB	1.00	1411																				X				
ICSA	1.00	1413																				X				
ICSAB	1.00	1415																				X				
CCV	1.00	1418																				X				
CCB	1.00	1420																				X				
PBS	1.00	1423																				X				
LCSS	1.00	1425																				X				
ZZZZZZ	5.00	1427																								
ZZZZZZ	1.00	1430																								
B-390	1.00	1432																				X				
B 390D	1.00	1434																				X				
B-390L	5.00	1437																				X				
PBW	1.00	1439																				X				
CCV	1.00	1441																				X				
CCB	1.00	1444																				X				
LCSW	1.00	1446																				X				
RINSATE2	1.00	1448																				X				
RINSATE2L	5.00	1451																				X				
ZZZZZZ	1.00	1453																								
ZZZZZZ	5.00	1455																								
ICSA	1.00	1458																				X				
ICSAB	1.00	1500																				X				
CCV	1.00	1502																				X				
CCB	1.00	1505																				X				

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ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Instrument ID Number: OPTIMA3 Method: P

Start Date: 05/19/2005 End Date: 05/19/2005

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1507																		X							
S1	1.00	1509																		X							
ICV	1.00	1512																		X							
ICB	1.00	1514																		X							
ICSA	1.00	1516																		X							
ICSAB	1.00	1519																		X							
CCV	1.00	1521																		X							
CCB	1.00	1523																		X							
PBS	1.00	1526																		X							
LCSS	1.00	1528																		X							
ZZZZZZ	5.00	1531																									
ZZZZZZ	1.00	1533																									
B-390	1.00	1535																		X							
B-390D	1.00	1538																		X							
B-390L	5.00	1540																		X							
PBW	1.00	1542																		X							
CCV	1.00	1545																		X							
CCB	1.00	1547																		X							
LCSW	1.00	1549																		X							
RINSATE2	1.00	1552																		X							
RINSATE2L	5.00	1554																		X							
ZZZZZZ	1.00	1556																									
ZZZZZZ	5.00	1559																									
ICSA	1.00	1601																		X							
ICSAB	1.00	1603																		X							
CCV	1.00	1606																		X							
CCB	1.00	1608																		X							

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ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0529

Instrument ID Number: OPTIMA3 Method: P

Start Date: 05/20/2005 End Date: 05/20/2005

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1330			X																						
S1	1.00	1334			X																						
ICV	1.00	1337			X																						
ICB	1.00	1340			X																						
CRI	1.00	1343			X																						
ICSA	1.00	1346			X																						
ICSAB	1.00	1349			X																						
CCV	1.00	1352			X																						
CCB	1.00	1356			X																						
PBS	1.00	1359			X																						
LCSS	1.00	1402			X																						
ZZZZZZ	5.00	1405																									
ZZZZZZ	1.00	1408																									
B 390	1.00	1412			X																						
B-390D	1.00	1415			X																						
B-390S	1.00	1418			X																						
B-390L	5.00	1421			X																						
B-390A	1.00	1424			X																						
PBW	1.00	1427			X																						
CCV	1.00	1431			X																						
CCB	1.00	1434			X																						
LCSW	1.00	1437			X																						
RINSATE2	1.00	1440			X																						
RINSATE2L	5.00	1443			X																						
ZZZZZZ	1.00	1446																									
ZZZZZZ	5.00	1449																									
CRI	1.00	1453			X																						
ICSA	1.00	1456			X																						
ICSAB	1.00	1459			X																						
CCV	1.00	1502			X																						
CCB	1.00	1505			X																						

Instrument Raw Data

- [x] ICP
- [x] Mercury
- [x] Cyanide

Reprocessing Begun
Logged In Analyst: optima2 Technique: ICP Continuous

Results Data Set (original): A05051901
Results Library (original): D:\pe\administrator\Results\Results.mdb
Results Data Set (reprocessed): A05051901A
Results Library (reprocessed): D:\pe\administrator\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 1
Sample ID: S0 Date Collected: 5/19/05 10:53:43 AM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 5/20/05 9:15:57 AM,

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	-1124.9	85.80	7.63%	[0.00]	mg/L
Al 308.215	17136.0	182.80	1.07%	[0.00]	mg/L
As 188.979	16.6	0.51	3.06%	[0.00]	mg/L
Ba 233.527	566.8	3.73	0.66%	[0.00]	mg/L
Be 313.107	-1957.5	2.67	0.14%	[0.00]	mg/L
Co 228.616	-191.0	0.91	0.48%	[0.00]	mg/L
Cr 267.716	1404.8	22.35	1.59%	[0.00]	mg/L
Cu 324.752	4661.6	25.28	0.54%	[0.00]	mg/L
Fe 273.955	-2387.5	5.26	0.22%	[0.00]	mg/L
Mg 279.077	-9896.8	0.64	0.01%	[0.00]	mg/L
Mn 257.610	-2775.0	2.36	0.09%	[0.00]	mg/L
Ni 231.604	-146.3	8.79	6.01%	[0.00]	mg/L
Pb 220.353	-401.7	5.58	1.39%	[0.00]	mg/L
Sb 206.836	207.3	0.44	0.21%	[0.00]	mg/L
Se 196.026	16.3	3.68	22.55%	[0.00]	mg/L
Tl 190.801	20.3	0.12	0.59%	[0.00]	mg/L
V 292.402	-375.3	42.26	11.26%	[0.00]	mg/L
Zn 206.200	344.5	11.54	3.35%	[0.00]	mg/L
Na 330.237	338.1	157.16	46.48%	[0.00]	mg/L
Cd 226.502	-632.8	8.44	1.33%	[0.00]	mg/L
Ti 334.940	548.1	73.25	13.36%	[0.00]	mg/L
Ca 227.546	151.2	10.06	6.65%	[0.00]	mg/L

Sequence No.: 2 Autosampler Location: 2
Sample ID: S1 Date Collected: 5/19/05 10:57:47 AM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 5/20/05 9:16:02 AM,

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	851786.5	1002.51	0.12%	[2.5]	mg/L
Al 308.215	675285.0	1720.18	0.25%	[20]	mg/L
As 188.979	1717.4	12.19	0.71%	[1]	mg/L
Ba 233.527	1721940.6	8763.05	0.51%	[20]	mg/L
Be 313.107	3095880.4	17232.87	0.56%	[0.5]	mg/L
Co 228.616	233167.3	3.01	0.00%	[5]	mg/L
Cr 267.716	451304.9	1127.46	0.25%	[2]	mg/L
Cu 324.752	980315.4	6430.42	0.66%	[2.5]	mg/L
Fe 273.955	231296.2	659.26	0.29%	[10]	mg/L
Mg 279.077	941971.8	1345.73	0.14%	[50]	mg/L
Mn 257.610	556919.0	321.99	0.06%	[5]	mg/L
Ni 231.604	364885.1	114.06	0.03%	[5]	mg/L
Pb 220.353	11818.9	56.53	0.48%	[1]	mg/L
Sb 206.836	3056.9	309.99	10.14%	[1]	mg/L
Se 196.026	2332.2	19.74	0.85%	[1]	mg/L
Tl 190.801	2096.4	12.17	0.58%	[1]	mg/L

V 292.402	1212556.0	4139.88	0.34%	[5] mg/L
Zn 206.200	482779.9	1922.61	0.40%	[5] mg/L
Na 330.237	79332.6	460.71	0.58%	[50] mg/L
Cd 226.502	115280.3	503.43	0.44%	[0.5] mg/L
Ti 334.940	739094.2	4751.30	0.64%	[1] mg/L
Ca 227.546	25287.3	135.66	0.54%	[50] mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	340700	0.00000	1.000000	
Al 308.215	1	Lin Thru 0	0.0	33760	0.00000	1.000000	
As 188.979	1	Lin Thru 0	0.0	1717	0.00000	1.000000	
Ba 233.527	1	Lin Thru 0	0.0	86100	0.00000	1.000000	
Be 313.107	1	Lin Thru 0	0.0	6192000	0.00000	1.000000	
Co 228.616	1	Lin Thru 0	0.0	46630	0.00000	1.000000	
Cr 267.716	1	Lin Thru 0	0.0	225700	0.00000	1.000000	
Cu 324.752	1	Lin Thru 0	0.0	392100	0.00000	1.000000	
Fe 273.955	1	Lin Thru 0	0.0	23130	0.00000	1.000000	
Mg 279.077	1	Lin Thru 0	0.0	18840	0.00000	1.000000	
Mn 257.610	1	Lin Thru 0	0.0	111400	0.00000	1.000000	
Ni 231.604	1	Lin Thru 0	0.0	72980	0.00000	1.000000	
Pb 220.353	1	Lin Thru 0	0.0	11820	0.00000	1.000000	
Sb 206.836	1	Lin Thru 0	0.0	3057	0.00000	1.000000	
Se 196.026	1	Lin Thru 0	0.0	2332	0.00000	1.000000	
Tl 190.801	1	Lin Thru 0	0.0	2096	0.00000	1.000000	
V 292.402	1	Lin Thru 0	0.0	242500	0.00000	1.000000	
Zn 206.200	1	Lin Thru 0	0.0	96560	0.00000	1.000000	
Na 330.237	1	Lin Thru 0	0.0	1587	0.00000	1.000000	
Cd 226.502	1	Lin Thru 0	0.0	230600	0.00000	1.000000	
Ti 334.940	1	Lin Thru 0	0.0	739100	0.00000	1.000000	
Ca 227.546	1	Lin Thru 0	0.0	505.7	0.00000	1.000000	

Sequence No.: 3
Sample ID: ICV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 5/19/05 11:02:02 AM

DW 5/20/05

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:03 AM,

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	703901.7	2.0677	mg/L	0.00259	2.0677	mg/L	0.00259	0.13%
Al 308.215	505263.3	14.894	mg/L	0.1193	14.894	mg/L	0.1193	0.80%
As 188.979	1313.0	0.7707	mg/L	0.00099	0.7707	mg/L	0.00099	0.13%
Ba 233.527	1353116.9	15.712	mg/L	0.0841	15.712	mg/L	0.0841	0.54%
Be 313.107	2373334.7	0.3833	mg/L	0.00051	0.3833	mg/L	0.00051	0.13%
Co 228.616	177536.0	3.8065	mg/L	0.03387	3.8065	mg/L	0.03387	0.89%
Cr 267.716	342138.9	1.5136	mg/L	0.01271	1.5136	mg/L	0.01271	0.84%
Cu 324.752	754271.3	1.9210	mg/L	0.00651	1.9210	mg/L	0.00651	0.34%
Fe 273.955	177691.9	7.4562	mg/L	0.06689	7.4562	mg/L	0.06689	0.90%
Mg 279.077	715715.3	38.067	mg/L	0.3229	38.067	mg/L	0.3229	0.85%
Mn 257.610	424365.0	3.8162	mg/L	0.03210	3.8162	mg/L	0.03210	0.84%
Ni 231.604	277212.1	3.7967	mg/L	0.02788	3.7967	mg/L	0.02788	0.73%
Pb 220.353	8982.1	0.7670	mg/L	0.00075	0.7670	mg/L	0.00075	0.10%
Sb 206.836	2712.0	0.8800	mg/L	0.01123	0.8800	mg/L	0.01123	1.28%
Se 196.026	1780.7	0.7643	mg/L	0.00011	0.7643	mg/L	0.00011	0.01%
Tl 190.801	1608.1	0.7632	mg/L	0.00044	0.7632	mg/L	0.00044	0.06%
V 292.402	931402.6	3.8436	mg/L	0.00975	3.8436	mg/L	0.00975	0.25%
Zn 206.200	368750.9	3.8202	mg/L	0.03454	3.8202	mg/L	0.03454	0.90%
Na 330.237	59555.2	37.541	mg/L	0.3727	37.541	mg/L	0.3727	0.99%
Cd 226.502	87274.2	0.3790	mg/L	0.00305	0.3790	mg/L	0.00305	0.80%
Ti 334.940	-23.2	0.0012	mg/L	0.00024	0.0012	mg/L	0.00024	19.87%
Ca 227.546	19519.2	38.181	mg/L	0.0445	38.181	mg/L	0.0445	0.12%

Sequence No.: 4
Sample ID: ICB

Autosampler Location: 4
Date Collected: 5/19/05 11:06:12 AM

Analyst:
Sample Wt:
Dilution:

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:05 AM,

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	3602.3	0.0106	mg/L	0.00105	0.0106	mg/L	0.00105	9.94%
Al 308.215	108.3	0.0032	mg/L	0.00296	0.0032	mg/L	0.00296	92.49%
As 188.979	-0.2	-0.0001	mg/L	0.00073	-0.0001	mg/L	0.00073	549.34%
Ba 233.527	135.6	0.0016	mg/L	0.00068	0.0016	mg/L	0.00068	43.20%
Be 313.107	368.0	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	19.72%
Co 228.616	35.7	0.0008	mg/L	0.00026	0.0008	mg/L	0.00026	33.74%
Cr 267.716	56.1	0.0002	mg/L	0.00015	0.0002	mg/L	0.00015	60.29%
Cu 324.752	2758.8	0.0070	mg/L	0.00090	0.0070	mg/L	0.00090	12.75%
Fe 273.955	79.3	0.0034	mg/L	0.00063	0.0034	mg/L	0.00063	18.39%
Mg 279.077	226.9	0.0121	mg/L	0.00716	0.0121	mg/L	0.00716	59.36%
Mn 257.610	61.8	0.0006	mg/L	0.00017	0.0006	mg/L	0.00017	29.65%
Ni 231.604	46.9	0.0006	mg/L	0.00025	0.0006	mg/L	0.00025	38.39%
Pb 220.353	12.6	0.0011	mg/L	0.00071	0.0011	mg/L	0.00071	66.27%
Sb 206.836	69.4	0.0227	mg/L	0.00533	0.0227	mg/L	0.00533	23.46%
Se 196.026	1.0	0.0004	mg/L	0.00122	0.0004	mg/L	0.00122	288.77%
Tl 190.801	7.1	0.0034	mg/L	0.00086	0.0034	mg/L	0.00086	25.55%
V 292.402	111.7	0.0005	mg/L	0.00042	0.0005	mg/L	0.00042	91.75%
Zn 206.200	781.1	0.0081	mg/L	0.00137	0.0081	mg/L	0.00137	16.97%
Na 330.237	85.7	0.0542	mg/L	0.02803	0.0542	mg/L	0.02803	51.72%
Cd 226.502	22.1	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	30.45%
Ti 334.940	120.7	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	34.28%
Ca 227.546	0.0	-0.0002	mg/L	0.00200	-0.0002	mg/L	0.00200	>999.9%

Sequence No.: 5
Sample ID: ICV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 5/19/05 11:09:58 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:05 AM,

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	696394.0	2.0457	mg/L	0.01120	2.0457	mg/L	0.01120	0.55%
Al 308.215	508630.5	14.993	mg/L	0.1172	14.993	mg/L	0.1172	0.78%
As 188.979	1324.1	0.7772	mg/L	0.00363	0.7772	mg/L	0.00363	0.47%
Ba 233.527	1346543.6	15.636	mg/L	0.0654	15.636	mg/L	0.0654	0.42%
Be 313.107	2365835.3	0.3821	mg/L	0.00114	0.3821	mg/L	0.00114	0.30%
Co 228.616	178509.9	3.8273	mg/L	0.02252	3.8273	mg/L	0.02252	0.59%
Cr 267.716	344513.5	1.5242	mg/L	0.01565	1.5242	mg/L	0.01565	1.03%
Cu 324.752	746909.0	1.9022	mg/L	0.00591	1.9022	mg/L	0.00591	0.31%
Fe 273.955	178786.0	7.5041	mg/L	0.07674	7.5041	mg/L	0.07674	1.02%
Mg 279.077	719040.0	38.244	mg/L	0.2764	38.244	mg/L	0.2764	0.72%
Mn 257.610	426460.1	3.8350	mg/L	0.02583	3.8350	mg/L	0.02583	0.67%
Ni 231.604	278139.9	3.8094	mg/L	0.01480	3.8094	mg/L	0.01480	0.39%
Pb 220.353	9008.0	0.7692	mg/L	0.00340	0.7692	mg/L	0.00340	0.44%
Sb 206.836	2561.6	0.8307	mg/L	0.00909	0.8307	mg/L	0.00909	1.09%
Se 196.026	1787.1	0.7671	mg/L	0.00433	0.7671	mg/L	0.00433	0.56%
Tl 190.801	1615.8	0.7670	mg/L	0.00403	0.7670	mg/L	0.00403	0.53%
V 292.402	928989.7	3.8337	mg/L	0.01388	3.8337	mg/L	0.01388	0.36%
Zn 206.200	369671.7	3.8298	mg/L	0.03724	3.8298	mg/L	0.03724	0.97%
Na 330.237	59739.2	37.657	mg/L	0.2512	37.657	mg/L	0.2512	0.67%
Cd 226.502	87632.0	0.3805	mg/L	0.00313	0.3805	mg/L	0.00313	0.82%
Ti 334.940	-131.3	0.0011	mg/L	0.00000	0.0011	mg/L	0.00000	0.31%
Ca 227.546	19652.6	38.444	mg/L	0.1062	38.444	mg/L	0.1062	0.28%

Sequence No.: 6
Sample ID: ICB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/19/05 11:19:21 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:06 AM,

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	2278.4	0.0067	mg/L	0.00034	0.0067	mg/L	0.00034	5.16%
Al 308.215	140.1	0.0041	mg/L	0.00044	0.0041	mg/L	0.00044	10.55%
As 188.979	1.4	0.0008	mg/L	0.00230	0.0008	mg/L	0.00230	289.57%
Ba 233.527	56.4	0.0007	mg/L	0.00006	0.0007	mg/L	0.00006	8.53%
Be 313.107	96.3	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	44.96%
Co 228.616	19.1	0.0004	mg/L	0.00004	0.0004	mg/L	0.00004	10.12%
Cr 267.716	5.4	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	16.72%
Cu 324.752	1483.5	0.0038	mg/L	0.00005	0.0038	mg/L	0.00005	1.25%
Fe 273.955	53.5	0.0023	mg/L	0.00022	0.0023	mg/L	0.00022	9.45%
Mg 279.077	134.8	0.0072	mg/L	0.00098	0.0072	mg/L	0.00098	13.66%
Mn 257.610	36.1	0.0003	mg/L	0.00000	0.0003	mg/L	0.00000	1.11%
Ni 231.604	22.1	0.0003	mg/L	0.00007	0.0003	mg/L	0.00007	21.83%
Pb 220.353	2.9	0.0002	mg/L	0.00062	0.0002	mg/L	0.00062	254.79%
Sb 206.836	15.3	0.0050	mg/L	0.00116	0.0050	mg/L	0.00116	23.17%
Se 196.026	2.9	0.0012	mg/L	0.00131	0.0012	mg/L	0.00131	105.41%
Tl 190.801	0.3	0.0002	mg/L	0.00200	0.0002	mg/L	0.00200	>999.9%
V 292.402	13.0	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007	134.75%
Zn 206.200	492.1	0.0051	mg/L	0.00037	0.0051	mg/L	0.00037	7.24%
Na 330.237	-43.8	-0.0275	mg/L	0.11410	-0.0275	mg/L	0.11410	415.08%
Cd 226.502	3.9	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	78.71%
Ti 334.940	84.6	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	30.16%
Ca 227.546	11.2	0.0221	mg/L	0.00892	0.0221	mg/L	0.00892	40.45%

Sequence No.: 7
Sample ID: CRI
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/19/05 11:23:28 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:07 AM,

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	11222.8	0.0330	mg/L	0.00068	0.0330	mg/L	0.00068	2.05%
Al 308.215	323.1	0.0079	mg/L	0.00219	0.0079	mg/L	0.00219	27.78%
As 188.979	36.8	0.0215	mg/L	0.00006	0.0215	mg/L	0.00006	0.28%
Ba 233.527	103.9	0.0011	mg/L	0.00007	0.0011	mg/L	0.00007	5.87%
Be 313.107	63045.3	0.0102	mg/L	0.00008	0.0102	mg/L	0.00008	0.77%
Co 228.616	4954.9	0.1062	mg/L	0.00022	0.1062	mg/L	0.00022	0.20%
Cr 267.716	4749.7	0.0210	mg/L	0.00009	0.0210	mg/L	0.00009	0.45%
Cu 324.752	21672.2	0.0552	mg/L	0.00020	0.0552	mg/L	0.00020	0.36%
Fe 273.955	253.6	0.0048	mg/L	0.00041	0.0048	mg/L	0.00041	8.46%
Mg 279.077	-20.2	-0.0003	mg/L	0.00018	-0.0003	mg/L	0.00018	53.60%
Mn 257.610	3519.8	0.0316	mg/L	0.00005	0.0316	mg/L	0.00005	0.15%
Ni 231.604	6314.9	0.0865	mg/L	0.00083	0.0865	mg/L	0.00083	0.97%
Pb 220.353	83.7	0.0072	mg/L	0.00014	0.0072	mg/L	0.00014	1.97%
Sb 206.836	320.2	0.1047	mg/L	0.01279	0.1047	mg/L	0.01279	12.21%
Se 196.026	27.0	0.0115	mg/L	0.00012	0.0115	mg/L	0.00012	1.08%
Tl 190.801	45.6	0.0216	mg/L	0.00157	0.0216	mg/L	0.00157	7.29%
V 292.402	25270.0	0.1042	mg/L	0.00077	0.1042	mg/L	0.00077	0.74%
Zn 206.200	5330.1	0.0552	mg/L	0.00050	0.0552	mg/L	0.00050	0.91%
Na 330.237	205.3	0.1300	mg/L	0.15413	0.1300	mg/L	0.15413	118.52%
Cd 226.502	2441.1	0.0106	mg/L	0.00001	0.0106	mg/L	0.00001	0.06%
Ti 334.940	49.1	0.0001	mg/L	0.00013	0.0001	mg/L	0.00013	202.04%
Ca 227.546	31.8	0.0549	mg/L	0.00732	0.0549	mg/L	0.00732	13.33%

Sequence No.: 8
Sample ID: ICSA
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/19/05 11:27:37 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:08 AM,

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-3944.5	0.0059	mg/L	0.00086	0.0059	mg/L	0.00086	14.52%
Al 308.215	15923205.0	471.60	mg/L	0.359	471.60	mg/L	0.359	0.08%
As 188.979	51.2	0.0037	mg/L	0.00084	0.0037	mg/L	0.00084	22.52%
Ba 233.527	2433.9	-0.0038	mg/L	0.00009	-0.0038	mg/L	0.00009	2.34%
Be 313.107	-223.3	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	11.61%
Co 228.616	134.1	-0.0013	mg/L	0.00009	-0.0013	mg/L	0.00009	6.84%
Cr 267.716	245.1	0.0012	mg/L	0.00002	0.0012	mg/L	0.00002	2.04%
Cu 324.752	-5911.4	-0.0031	mg/L	0.00003	-0.0031	mg/L	0.00003	1.10%
Fe 273.955	3919953.5	169.48	mg/L	0.071	169.48	mg/L	0.071	0.04%
Mg 279.077	8605805.7	456.85	mg/L	0.425	456.85	mg/L	0.425	0.09%
Mn 257.610	-13388.6	0.0107	mg/L	0.00117	0.0107	mg/L	0.00117	11.02%
Ni 231.604	276.1	-0.0113	mg/L	0.00005	-0.0113	mg/L	0.00005	0.41%
Pb 220.353	-1338.0	0.0006	mg/L	0.00018	0.0006	mg/L	0.00018	29.39%
Sb 206.836	425.0	0.0345	mg/L	0.00137	0.0345	mg/L	0.00137	3.96%
Se 196.026	-248.6	-0.0012	mg/L	0.00267	-0.0012	mg/L	0.00267	221.54%
Tl 190.801	59.4	0.0013	mg/L	0.00012	0.0013	mg/L	0.00012	9.25%
V 292.402	-882.8	-0.0004	mg/L	0.00016	-0.0004	mg/L	0.00016	37.16%
Zn 206.200	2152.7	-0.0010	mg/L	0.00019	-0.0010	mg/L	0.00019	18.52%
Na 330.237	-198.3	-0.3036	mg/L	0.03032	-0.3036	mg/L	0.03032	9.99%
Cd 226.502	3040.5	0.0036	mg/L	0.00025	0.0036	mg/L	0.00025	6.82%
Ti 334.940	-15247.4	-0.0031	mg/L	0.00000	-0.0031	mg/L	0.00000	0.12%
Ca 227.546	242868.6	478.28	mg/L	5.292	478.28	mg/L	5.292	1.11%

Sequence No.: 9
Sample ID: ICSAB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/19/05 11:31:52 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:08 AM,

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	64023.9	0.2045	mg/L	0.00018	0.2045	mg/L	0.00018	0.09%
Al 308.215	15901292.4	470.94	mg/L	0.405	470.94	mg/L	0.405	0.09%
As 188.979	206.9	0.0968	mg/L	0.00106	0.0968	mg/L	0.00106	1.09%
Ba 233.527	44594.0	0.4855	mg/L	0.00023	0.4855	mg/L	0.00023	0.05%
Be 313.107	2856618.2	0.4613	mg/L	0.00082	0.4613	mg/L	0.00082	0.18%
Co 228.616	20877.9	0.4434	mg/L	0.00105	0.4434	mg/L	0.00105	0.24%
Cr 267.716	104207.7	0.4614	mg/L	0.00090	0.4614	mg/L	0.00090	0.20%
Cu 324.752	181167.0	0.4735	mg/L	0.00573	0.4735	mg/L	0.00573	1.21%
Fe 273.955	3922862.1	169.58	mg/L	0.197	169.58	mg/L	0.197	0.12%
Mg 279.077	8613832.8	457.29	mg/L	0.212	457.29	mg/L	0.212	0.05%
Mn 257.610	38867.1	0.4801	mg/L	0.00182	0.4801	mg/L	0.00182	0.38%
Ni 231.604	64143.1	0.8638	mg/L	0.00286	0.8638	mg/L	0.00286	0.33%
Pb 220.353	-846.0	0.0429	mg/L	0.00081	0.0429	mg/L	0.00081	1.88%
Sb 206.836	2475.9	0.7035	mg/L	0.00039	0.7035	mg/L	0.00039	0.05%
Se 196.026	-141.0	0.0446	mg/L	0.00012	0.0446	mg/L	0.00012	0.26%
Tl 190.801	242.5	0.0883	mg/L	0.00095	0.0883	mg/L	0.00095	1.07%
V 292.402	113630.9	0.4726	mg/L	0.00115	0.4726	mg/L	0.00115	0.24%
Zn 206.200	85962.4	0.8679	mg/L	0.00576	0.8679	mg/L	0.00576	0.66%
Na 330.237	2436.8	1.3580	mg/L	0.01199	1.3580	mg/L	0.01199	0.88%
Cd 226.502	205096.0	0.8802	mg/L	0.00335	0.8802	mg/L	0.00335	0.38%
Ti 334.940	-15493.6	-0.0032	mg/L	0.00001	-0.0032	mg/L	0.00001	0.41%
Ca 227.546	246979.2	486.35	mg/L	1.653	486.35	mg/L	1.653	0.34%

Sequence No.: 10
Sample ID: CCV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/19/05 11:36:10 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:09 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	428898.3	1.2601	mg/L	0.00987	1.2601	mg/L	0.00987	0.78%

Al 308.215	336630.1	9.9224 mg/L	0.06543	9.9224 mg/L	0.06543	0.66%
As 188.979	880.6	0.5169 mg/L	0.00111	0.5169 mg/L	0.00111	0.21%
Ba 233.527	922409.2	10.711 mg/L	0.1605	10.711 mg/L	0.1605	1.50%
Be 313.107	1600993.0	0.2586 mg/L	0.00411	0.2586 mg/L	0.00411	1.59%
Co 228.616	119924.7	2.5712 mg/L	0.01648	2.5712 mg/L	0.01648	0.64%
Cr 267.716	231015.8	1.0220 mg/L	0.00283	1.0220 mg/L	0.00283	0.28%
Cu 324.752	504681.5	1.2853 mg/L	0.02140	1.2853 mg/L	0.02140	1.66%
Fe 273.955	120773.4	5.0696 mg/L	0.03958	5.0696 mg/L	0.03958	0.78%
Mg 279.077	487050.3	25.904 mg/L	0.2020	25.904 mg/L	0.2020	0.78%
Mn 257.610	285588.2	2.5682 mg/L	0.01642	2.5682 mg/L	0.01642	0.64%
Ni 231.604	186437.9	2.5534 mg/L	0.02542	2.5534 mg/L	0.02542	1.00%
Pb 220.353	6090.1	0.5200 mg/L	0.00019	0.5200 mg/L	0.00019	0.04%
Sb 206.836	1687.0	0.5470 mg/L	0.00785	0.5470 mg/L	0.00785	1.43%
Se 196.026	1190.4	0.5110 mg/L	0.00092	0.5110 mg/L	0.00092	0.18%
Tl 190.801	1095.6	0.5200 mg/L	0.00093	0.5200 mg/L	0.00093	0.18%
V 292.402	625841.6	2.5827 mg/L	0.04338	2.5827 mg/L	0.04338	1.68%
Zn 206.200	253730.4	2.6286 mg/L	0.00326	2.6286 mg/L	0.00326	0.12%
Na 330.237	38674.9	24.379 mg/L	0.0539	24.379 mg/L	0.0539	0.22%
Cd 226.502	59009.7	0.2562 mg/L	0.00149	0.2562 mg/L	0.00149	0.58%
Ti 334.940	-120.3	0.0006 mg/L	0.00000	0.0006 mg/L	0.00000	0.26%
Ca 227.546	13018.1	25.461 mg/L	0.0570	25.461 mg/L	0.0570	0.22%

Sequence No.: 11
Sample ID: CCB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/19/05 11:40:22 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:10 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	801.7	0.0024	mg/L	0.00014	0.0024	mg/L	0.00014	5.85%
Al 308.215	752.0	0.0223	mg/L	0.00969	0.0223	mg/L	0.00969	43.51%
As 188.979	-0.8	-0.0005	mg/L	0.00120	-0.0005	mg/L	0.00120	260.57%
Ba 233.527	130.2	0.0015	mg/L	0.00023	0.0015	mg/L	0.00023	15.00%
Be 313.107	265.0	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	50.64%
Co 228.616	31.9	0.0007	mg/L	0.00014	0.0007	mg/L	0.00014	19.85%
Cr 267.716	114.8	0.0005	mg/L	0.00023	0.0005	mg/L	0.00023	44.97%
Cu 324.752	2077.8	0.0053	mg/L	0.00068	0.0053	mg/L	0.00068	12.78%
Fe 273.955	202.5	0.0087	mg/L	0.00185	0.0087	mg/L	0.00185	21.12%
Mg 279.077	1842.7	0.0978	mg/L	0.01530	0.0978	mg/L	0.01530	15.64%
Mn 257.610	-10.4	-0.0001	mg/L	0.00013	-0.0001	mg/L	0.00013	145.35%
Ni 231.604	61.7	0.0008	mg/L	0.00013	0.0008	mg/L	0.00013	14.82%
Pb 220.353	0.5	0.0001	mg/L	0.00011	0.0001	mg/L	0.00011	227.31%
Sb 206.836	30.5	0.0100	mg/L	0.00142	0.0100	mg/L	0.00142	14.18%
Se 196.026	0.3	0.0001	mg/L	0.00192	0.0001	mg/L	0.00192	>999.9%
Tl 190.801	2.8	0.0013	mg/L	0.00066	0.0013	mg/L	0.00066	50.30%
V 292.402	72.5	0.0003	mg/L	0.00033	0.0003	mg/L	0.00033	109.50%
Zn 206.200	607.2	0.0063	mg/L	0.00078	0.0063	mg/L	0.00078	12.39%
Na 330.237	116.7	0.0736	mg/L	0.05747	0.0736	mg/L	0.05747	78.09%
Cd 226.502	15.9	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	12.16%
Ti 334.940	4.5	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	700.72%
Ca 227.546	26.3	0.0518	mg/L	0.00365	0.0518	mg/L	0.00365	7.03%

Sequence No.: 12
Sample ID: MB-18175,18175
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 5/19/05 11:44:29 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:10 AM,

Mean Data: MB-18175,18175

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	1147.1	0.0034	mg/L	0.00036	0.0034	mg/L	0.00036	10.75%
Al 308.215	665.4	0.0197	mg/L	0.00306	0.0197	mg/L	0.00306	15.54%
As 188.979	-1.5	-0.0009	mg/L	0.00026	-0.0009	mg/L	0.00026	29.09%
Ba 233.527	114.0	0.0013	mg/L	0.00005	0.0013	mg/L	0.00005	3.47%

Be 313.107	-82.1	0.0000 mg/L	0.00001	0.0000 mg/L	0.00001	44.22%
Co 228.616	19.2	0.0004 mg/L	0.00000	0.0004 mg/L	0.00000	0.21%
Cr 267.716	-16.0	-0.0001 mg/L	0.00001	-0.0001 mg/L	0.00001	15.65%
Cu 324.752	2642.6	0.0067 mg/L	0.00057	0.0067 mg/L	0.00057	8.49%
Fe 273.955	467.2	0.0202 mg/L	0.00089	0.0202 mg/L	0.00089	4.41%
Mg 279.077	1087.9	0.0578 mg/L	0.00483	0.0578 mg/L	0.00483	8.36%
Mn 257.610	29.7	0.0003 mg/L	0.00001	0.0003 mg/L	0.00001	5.16%
Ni 231.604	39.0	0.0005 mg/L	0.00001	0.0005 mg/L	0.00001	1.24%
Pb 220.353	2.5	0.0002 mg/L	0.00001	0.0002 mg/L	0.00001	6.61%
Sb 206.836	14.1	0.0046 mg/L	0.00044	0.0046 mg/L	0.00044	9.46%
Se 196.026	2.4	0.0010 mg/L	0.00092	0.0010 mg/L	0.00092	89.74%
Tl 190.801	-0.0	0.0000 mg/L	0.00152	0.0000 mg/L	0.00152	>999.9%
V 292.402	15.8	0.0001 mg/L	0.00029	0.0001 mg/L	0.00029	448.32%
Zn 206.200	956.5	0.0099 mg/L	0.00057	0.0099 mg/L	0.00057	5.80%
Na 330.237	-6.6	-0.0040 mg/L	0.11853	-0.0040 mg/L	0.11853	>999.9%
Cd 226.502	9.2	0.0000 mg/L	0.00003	0.0000 mg/L	0.00003	75.14%
Ti 334.940	145.4	0.0002 mg/L	0.00004	0.0002 mg/L	0.00004	21.80%
Ca 227.546	56.8	0.1119 mg/L	0.01678	0.1119 mg/L	0.01678	14.99%

DW 5/20/05

Sequence No.: 13
Sample ID: LCS-18175,18175
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 5/19/05 11:48:38 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:11 AM,

Mean Data: LCS-18175,18175

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Sample Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Ag 328.068	390416.8	1.1470	mg/L	0.01041	1.1470	mg/L	0.01041	0.91%
Al 308.215	304911.4	8.9879	mg/L	0.07259	8.9879	mg/L	0.07259	0.81%
As 188.979	794.1	0.4661	mg/L	0.00029	0.4661	mg/L	0.00029	0.06%
Ba 233.527	818526.1	9.5046	mg/L	0.03503	9.5046	mg/L	0.03503	0.37%
Be 313.107	1424910.5	0.2301	mg/L	0.00119	0.2301	mg/L	0.00119	0.52%
Co 228.616	108660.8	2.3297	mg/L	0.02060	2.3297	mg/L	0.02060	0.88%
Cr 267.716	207121.5	0.9163	mg/L	0.00449	0.9163	mg/L	0.00449	0.49%
Cu 324.752	449321.5	1.1443	mg/L	0.01356	1.1443	mg/L	0.01356	1.19%
Fe 273.955	108299.6	4.5464	mg/L	0.02710	4.5464	mg/L	0.02710	0.60%
Mg 279.077	440307.7	23.419	mg/L	0.1697	23.419	mg/L	0.1697	0.72%
Mn 257.610	260043.1	2.3384	mg/L	0.01690	2.3384	mg/L	0.01690	0.72%
Ni 231.604	170152.7	2.3304	mg/L	0.02078	2.3304	mg/L	0.02078	0.89%
Pb 220.353	5524.5	0.4717	mg/L	0.00118	0.4717	mg/L	0.00118	0.25%
Sb 206.836	1695.4	0.5502	mg/L	0.00061	0.5502	mg/L	0.00061	0.11%
Se 196.026	1065.8	0.4575	mg/L	0.00402	0.4575	mg/L	0.00402	0.88%
Tl 190.801	982.3	0.4663	mg/L	0.00233	0.4663	mg/L	0.00233	0.50%
V 292.402	559428.2	2.3086	mg/L	0.00798	2.3086	mg/L	0.00798	0.35%
Zn 206.200	228066.1	2.3627	mg/L	0.01111	2.3627	mg/L	0.01111	0.47%
Na 330.237	35109.5	22.131	mg/L	0.2680	22.131	mg/L	0.2680	1.21%
Cd 226.502	53390.1	0.2318	mg/L	0.00062	0.2318	mg/L	0.00062	0.27%
Ti 334.940	-486.6	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	7.45%
Ca 227.546	11637.0	22.758	mg/L	0.0061	22.758	mg/L	0.0061	0.03%

Sequence No.: 14
Sample ID: D0569-01B,18175
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 5/19/05 11:52:51 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:12 AM,

Mean Data: D0569-01B,18175

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Sample Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Ag 328.068	449.4	-0.0117	mg/L	0.00006	-0.0117	mg/L	0.00006	0.55%
Al 308.215	6083.6	0.1149	mg/L	0.00302	0.1149	mg/L	0.00302	2.62%
As 188.979	14.9	0.0067	mg/L	0.00063	0.0067	mg/L	0.00063	9.37%
Ba 233.527	41679.5	0.4818	mg/L	0.00024	0.4818	mg/L	0.00024	0.05%
Be 313.107	48439.5	0.0078	mg/L	0.00004	0.0078	mg/L	0.00004	0.53%
Co 228.616	469.3	0.0098	mg/L	0.00005	0.0098	mg/L	0.00005	0.53%
Cr 267.716	2221.1	-0.0002	mg/L	0.00017	-0.0002	mg/L	0.00017	86.58%

Cu 324.752	6951.0	0.0041 mg/L	0.00478	0.0041 mg/L	0.00478	117.80%
Fe 273.955	198845.0	8.5970 mg/L	0.03849	8.5970 mg/L	0.03849	0.45%
Mg 279.077	1338674.3	71.390 mg/L	0.4877	71.390 mg/L	0.4877	0.68%
Mn 257.610	2070235.9	18.590 mg/L	0.1071	18.590 mg/L	0.1071	0.58%
Ni 231.604	4714.1	0.0639 mg/L	0.00006	0.0639 mg/L	0.00006	0.10%
Pb 220.353	52.1	0.0056 mg/L	0.00004	0.0056 mg/L	0.00004	0.80%
Sb 206.836	22.9	0.0062 mg/L	0.00056	0.0062 mg/L	0.00056	9.05%
Se 196.026	9.6	-0.0039 mg/L	0.00389	-0.0039 mg/L	0.00389	100.59%
Tl 190.801	-49.1	0.0026 mg/L	0.00094	0.0026 mg/L	0.00094	35.63%
V 292.402	20.0	0.0017 mg/L	0.00007	0.0017 mg/L	0.00007	4.39%
Zn 206.200	56499.5	0.5798 mg/L	0.00217	0.5798 mg/L	0.00217	0.37%
Na 330.237	448036.2	282.32 mg/L	0.865	282.32 mg/L	0.865	0.31%
Cd 226.502	288.6	0.0007 mg/L	0.00003	0.0007 mg/L	0.00003	3.61%
Ti 334.940	-707.8	0.0032 mg/L	0.00007	0.0032 mg/L	0.00007	2.13%
Ca 227.546	58115.6	114.71 mg/L	0.268	114.71 mg/L	0.268	0.23%

Sequence No.: 15
Sample ID: D0569-03B,18175
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 5/19/05 11:56:57 AM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:13 AM,

Mean Data: D0569-03B,18175

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	1347.8	-0.0108	mg/L	0.00012	-0.0108	mg/L	0.00012	1.09%
Al 308.215	8439.1	0.1816	mg/L	0.00210	0.1816	mg/L	0.00210	1.16%
As 188.979	16.2	0.0069	mg/L	0.00183	0.0069	mg/L	0.00183	26.53%
Ba 233.527	41453.5	0.4804	mg/L	0.00348	0.4804	mg/L	0.00348	0.73%
Be 313.107	10476.0	0.0017	mg/L	0.00000	0.0017	mg/L	0.00000	0.28%
Co 228.616	150.2	0.0032	mg/L	0.00003	0.0032	mg/L	0.00003	1.02%
Cr 267.716	1313.6	-0.0047	mg/L	0.00008	-0.0047	mg/L	0.00008	1.63%
Cu 324.752	5731.0	-0.0007	mg/L	0.00050	-0.0007	mg/L	0.00050	76.02%
Fe 273.955	2409.3	0.1042	mg/L	0.00034	0.1042	mg/L	0.00034	0.33%
Mg 279.077	1262974.9	67.385	mg/L	0.4752	67.385	mg/L	0.4752	0.71%
Mn 257.610	2168369.6	19.467	mg/L	0.1113	19.467	mg/L	0.1113	0.57%
Ni 231.604	4140.7	0.0568	mg/L	0.00003	0.0568	mg/L	0.00003	0.05%
Pb 220.353	-5.5	0.0005	mg/L	0.00002	0.0005	mg/L	0.00002	4.50%
Sb 206.836	21.4	0.0067	mg/L	0.00008	0.0067	mg/L	0.00008	1.26%
Se 196.026	17.3	-0.0032	mg/L	0.00069	-0.0032	mg/L	0.00069	21.37%
Tl 190.801	-55.6	0.0008	mg/L	0.00103	0.0008	mg/L	0.00103	132.31%
V 292.402	-172.4	0.0008	mg/L	0.00000	0.0008	mg/L	0.00000	0.60%
Zn 206.200	43881.0	0.4491	mg/L	0.00089	0.4491	mg/L	0.00089	0.20%
Na 330.237	429267.2	270.48	mg/L	2.017	270.48	mg/L	2.017	0.75%
Cd 226.502	16.9	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	21.89%
Ti 334.940	-2128.4	0.0015	mg/L	0.00008	0.0015	mg/L	0.00008	5.43%
Ca 227.546	60176.2	118.89	mg/L	0.968	118.89	mg/L	0.968	0.81%

Sequence No.: 16
Sample ID: D0569-03BSD,18175
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 5/19/05 12:01:03 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:13 AM,

Mean Data: D0569-03BSD,18175

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	358.7	-0.0018	mg/L	0.00008	-0.0018	mg/L	0.00008	4.37%
Al 308.215	2049.8	0.0457	mg/L	0.00110	0.0457	mg/L	0.00110	2.41%
As 188.979	2.5	0.0009	mg/L	0.00140	0.0009	mg/L	0.00140	153.07%
Ba 233.527	8674.6	0.1005	mg/L	0.00007	0.1005	mg/L	0.00007	0.07%
Be 313.107	2144.1	0.0003	mg/L	0.00001	0.0003	mg/L	0.00001	2.52%
Co 228.616	32.2	0.0007	mg/L	0.00007	0.0007	mg/L	0.00007	9.77%
Cr 267.716	267.7	-0.0011	mg/L	0.00004	-0.0011	mg/L	0.00004	3.23%
Cu 324.752	1194.1	-0.0003	mg/L	0.00011	-0.0003	mg/L	0.00011	35.00%
Fe 273.955	327.4	0.0142	mg/L	0.00088	0.0142	mg/L	0.00088	6.21%
Mg 279.077	267240.3	14.261	mg/L	0.0102	14.261	mg/L	0.0102	0.07%

Mn 257.610	476980.7	4.2821 mg/L	0.00303	4.2821 mg/L	0.00303	0.07%
Ni 231.604	881.4	0.0121 mg/L	0.00011	0.0121 mg/L	0.00011	0.87%
Pb 220.353	-12.6	-0.0009 mg/L	0.00040	-0.0009 mg/L	0.00040	45.16%
Sb 206.836	6.7	0.0021 mg/L	0.00011	0.0021 mg/L	0.00011	5.04%
Se 196.026	3.1	-0.0011 mg/L	0.00072	-0.0011 mg/L	0.00072	67.64%
Tl 190.801	-14.7	-0.0010 mg/L	0.00051	-0.0010 mg/L	0.00051	50.45%
V 292.402	-5.7	0.0003 mg/L	0.00036	0.0003 mg/L	0.00036	116.92%
Zn 206.200	9539.6	0.0977 mg/L	0.00035	0.0977 mg/L	0.00035	0.36%
Na 330.237	73469.6	46.291 mg/L	0.0679	46.291 mg/L	0.0679	0.15%
Cd 226.502	1.7	0.0000 mg/L	0.00002	0.0000 mg/L	0.00002	176.22%
Ti 334.940	-420.3	0.0003 mg/L	0.00000	0.0003 mg/L	0.00000	1.40%
Ca 227.546	11860.6	23.430 mg/L	0.2754	23.430 mg/L	0.2754	1.18%

Sequence No.: 17
Sample ID: D0566-03C,18175
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 5/19/05 12:05:07 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:14 AM,

Mean Data: D0566-03C,18175

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	999.2	0.0005	mg/L	0.00011	0.0005	mg/L	0.00011	24.27%
Al 308.215	718.0	0.0211	mg/L	0.00037	0.0211	mg/L	0.00037	1.73%
As 188.979	-1.7	-0.0010	mg/L	0.00146	-0.0010	mg/L	0.00146	143.77%
Ba 233.527	5966.7	0.0691	mg/L	0.00033	0.0691	mg/L	0.00033	0.47%
Be 313.107	73.3	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	56.55%
Co 228.616	25.1	0.0005	mg/L	0.00007	0.0005	mg/L	0.00007	12.32%
Cr 267.716	361.1	0.0016	mg/L	0.00010	0.0016	mg/L	0.00010	6.24%
Cu 324.752	962.6	0.0023	mg/L	0.00008	0.0023	mg/L	0.00008	3.36%
Fe 273.955	543.0	0.0235	mg/L	0.00005	0.0235	mg/L	0.00005	0.22%
Mg 279.077	80773.1	4.2883	mg/L	0.07271	4.2883	mg/L	0.07271	1.70%
Mn 257.610	5283.2	0.0473	mg/L	0.00003	0.0473	mg/L	0.00003	0.05%
Ni 231.604	259.6	0.0036	mg/L	0.00004	0.0036	mg/L	0.00004	0.99%
Pb 220.353	-26.9	-0.0019	mg/L	0.00008	-0.0019	mg/L	0.00008	3.91%
Sb 206.836	8.5	0.0028	mg/L	0.00099	0.0028	mg/L	0.00099	35.42%
Se 196.026	5.3	0.0026	mg/L	0.00035	0.0026	mg/L	0.00035	13.19%
Tl 190.801	-4.8	-0.0020	mg/L	0.00043	-0.0020	mg/L	0.00043	21.48%
V 292.402	52.8	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	22.81%
Zn 206.200	1835.0	0.0187	mg/L	0.00052	0.0187	mg/L	0.00052	2.76%
Na 330.237	41904.1	26.398	mg/L	0.3405	26.398	mg/L	0.3405	1.29%
Cd 226.502	2.4	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	182.41%
Ti 334.940	-527.3	0.0000	mg/L	0.00012	0.0000	mg/L	0.00012	>999.9%
Ca 227.546	9877.2	19.529	mg/L	0.1378	19.529	mg/L	0.1378	0.71%

Sequence No.: 18
Sample ID: D0566-03CDUP,18175
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 5/19/05 12:09:11 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:15 AM,

Mean Data: D0566-03CDUP,18175

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	921.3	0.0003	mg/L	0.00006	0.0003	mg/L	0.00006	19.93%
Al 308.215	582.1	0.0171	mg/L	0.00244	0.0171	mg/L	0.00244	14.26%
As 188.979	-0.7	-0.0005	mg/L	0.00136	-0.0005	mg/L	0.00136	289.97%
Ba 233.527	5789.2	0.0671	mg/L	0.00024	0.0671	mg/L	0.00024	0.36%
Be 313.107	99.3	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	82.65%
Co 228.616	23.7	0.0005	mg/L	0.00012	0.0005	mg/L	0.00012	23.04%
Cr 267.716	352.1	0.0015	mg/L	0.00026	0.0015	mg/L	0.00026	16.76%
Cu 324.752	676.3	0.0016	mg/L	0.00036	0.0016	mg/L	0.00036	22.24%
Fe 273.955	906.6	0.0392	mg/L	0.00063	0.0392	mg/L	0.00063	1.60%
Mg 279.077	78494.4	4.1673	mg/L	0.01488	4.1673	mg/L	0.01488	0.36%
Mn 257.610	5067.4	0.0454	mg/L	0.00008	0.0454	mg/L	0.00008	0.17%
Ni 231.604	251.4	0.0034	mg/L	0.00007	0.0034	mg/L	0.00007	1.96%
Pb 220.353	-23.0	-0.0016	mg/L	0.00003	-0.0016	mg/L	0.00003	2.01%

Sb 206.836	9.5	0.0031 mg/L	0.00020	0.0031 mg/L	0.00020	6.46%
Se 196.026	1.0	0.0008 mg/L	0.00034	0.0008 mg/L	0.00034	44.34%
Tl 190.801	-3.4	-0.0014 mg/L	0.00061	-0.0014 mg/L	0.00061	44.14%
V 292.402	39.4	0.0002 mg/L	0.00018	0.0002 mg/L	0.00018	97.35%
Zn 206.200	1718.4	0.0175 mg/L	0.00040	0.0175 mg/L	0.00040	2.28%
Na 330.237	40508.2	25.519 mg/L	0.0862	25.519 mg/L	0.0862	0.34%
Cd 226.502	2.5	0.0000 mg/L	0.00003	0.0000 mg/L	0.00003	371.97%
Ti 334.940	-567.2	-0.0001 mg/L	0.00005	-0.0001 mg/L	0.00005	62.76%
Ca 227.546	9616.6	19.014 mg/L	0.0263	19.014 mg/L	0.0263	0.14%

Sequence No.: 19
Sample ID: CCV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/19/05 12:18:54 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:16 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	412225.7	1.2111	mg/L	0.00269	1.2111	mg/L	0.00269	0.22%
Al 308.215	326762.6	9.6313	mg/L	0.00068	9.6313	mg/L	0.00068	0.01%
As 188.979	859.5	0.5046	mg/L	0.00005	0.5046	mg/L	0.00005	0.01%
Ba 233.527	897138.7	10.417	mg/L	0.0613	10.417	mg/L	0.0613	0.59%
Be 313.107	1562450.8	0.2523	mg/L	0.00124	0.2523	mg/L	0.00124	0.49%
Co 228.616	117618.8	2.5218	mg/L	0.00452	2.5218	mg/L	0.00452	0.18%
Cr 267.716	224858.6	0.9948	mg/L	0.00067	0.9948	mg/L	0.00067	0.07%
Cu 324.752	486157.7	1.2381	mg/L	0.01069	1.2381	mg/L	0.01069	0.86%
Fe 273.955	117101.6	4.9149	mg/L	0.00732	4.9149	mg/L	0.00732	0.15%
Mg 279.077	473176.0	25.167	mg/L	0.0316	25.167	mg/L	0.0316	0.13%
Mn 257.610	280213.8	2.5198	mg/L	0.00245	2.5198	mg/L	0.00245	0.10%
Ni 231.604	183922.1	2.5190	mg/L	0.01042	2.5190	mg/L	0.01042	0.41%
Pb 220.353	5881.3	0.5022	mg/L	0.00248	0.5022	mg/L	0.00248	0.49%
Sb 206.836	1635.0	0.5301	mg/L	0.00568	0.5301	mg/L	0.00568	1.07%
Se 196.026	1158.1	0.4971	mg/L	0.00113	0.4971	mg/L	0.00113	0.23%
Tl 190.801	1060.3	0.5033	mg/L	0.00509	0.5033	mg/L	0.00509	1.01%
V 292.402	608990.7	2.5131	mg/L	0.01157	2.5131	mg/L	0.01157	0.46%
Zn 206.200	245332.7	2.5416	mg/L	0.00281	2.5416	mg/L	0.00281	0.11%
Na 330.237	37609.0	23.707	mg/L	0.0214	23.707	mg/L	0.0214	0.09%
Cd 226.502	57402.9	0.2493	mg/L	0.00010	0.2493	mg/L	0.00010	0.04%
Ti 334.940	-181.7	0.0005	mg/L	0.00005	0.0005	mg/L	0.00005	9.19%
Ca 227.546	12595.6	24.633	mg/L	0.0322	24.633	mg/L	0.0322	0.13%

Sequence No.: 20
Sample ID: CCB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/19/05 12:23:07 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:16 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	232.0	0.0007	mg/L	0.00001	0.0007	mg/L	0.00001	1.95%
Al 308.215	599.1	0.0177	mg/L	0.00151	0.0177	mg/L	0.00151	8.50%
As 188.979	0.4	0.0002	mg/L	0.00130	0.0002	mg/L	0.00130	592.56%
Ba 233.527	99.3	0.0012	mg/L	0.00004	0.0012	mg/L	0.00004	3.17%
Be 313.107	80.8	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	17.32%
Co 228.616	19.9	0.0004	mg/L	0.00001	0.0004	mg/L	0.00001	3.17%
Cr 267.716	72.3	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	8.92%
Cu 324.752	1366.3	0.0035	mg/L	0.00041	0.0035	mg/L	0.00041	11.86%
Fe 273.955	237.5	0.0103	mg/L	0.01420	0.0103	mg/L	0.01420	138.28%
Mg 279.077	53.2	0.0028	mg/L	0.00414	0.0028	mg/L	0.00414	146.45%
Mn 257.610	-11.3	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	28.29%
Ni 231.604	38.0	0.0005	mg/L	0.00000	0.0005	mg/L	0.00000	0.07%
Pb 220.353	1.1	0.0001	mg/L	0.00074	0.0001	mg/L	0.00074	773.28%
Sb 206.836	28.1	0.0092	mg/L	0.00094	0.0092	mg/L	0.00094	10.16%
Se 196.026	0.8	0.0004	mg/L	0.00163	0.0004	mg/L	0.00163	447.03%
Tl 190.801	5.0	0.0024	mg/L	0.00292	0.0024	mg/L	0.00292	122.80%

Cd 226.502	130188.9	0.5619 mg/L	0.00463	0.5619 mg/L	0.00463	0.82%
Ti 334.940	900643.7	1.2192 mg/L	0.00956	1.2192 mg/L	0.00956	0.78%
Ca 227.546	10102.0	19.335 mg/L	0.1690	19.335 mg/L	0.1690	0.87%

Sequence No.: 23 SD
Sample ID: D0523-01A,18177
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 5/19/05 12:35:33 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:19 AM,

SD

Mean Data: D0523-01A,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-741.4	-0.0003	mg/L	0.00013	-0.0003	mg/L	0.00013	46.70%
Al 308.215	431695.8	12.783	mg/L	0.0196	12.783	mg/L	0.0196	0.15%
As 188.979	21.5	0.0136	mg/L	0.00045	0.0136	mg/L	0.00045	3.28%
Ba 233.527	16338.4	0.1850	mg/L	0.00113	0.1850	mg/L	0.00113	0.61%
Be 313.107	3824.9	0.0007	mg/L	0.00001	0.0007	mg/L	0.00001	1.48%
Co 228.616	688.1	0.0139	mg/L	0.00001	0.0139	mg/L	0.00001	0.07%
Cr 267.716	4455.6	0.0194	mg/L	0.00000	0.0194	mg/L	0.00000	0.01%
Cu 324.752	9900.6	0.0280	mg/L	0.00030	0.0280	mg/L	0.00030	1.07%
Fe 273.955	708114.5	30.614	mg/L	0.0133	30.614	mg/L	0.0133	0.04%
Mg 279.077	178390.9	9.4897	mg/L	0.00406	9.4897	mg/L	0.00406	0.04%
Mn 257.610	65138.9	0.6029	mg/L	0.00036	0.6029	mg/L	0.00036	0.06%
Ni 231.604	2459.2	0.0309	mg/L	0.00003	0.0309	mg/L	0.00003	0.11%
Pb 220.353	381.9	0.0361	mg/L	0.00017	0.0361	mg/L	0.00017	0.47%
Sb 206.836	34.1	0.0052	mg/L	0.00002	0.0052	mg/L	0.00002	0.34%
Se 196.026	-31.1	-0.0043	mg/L	0.00047	-0.0043	mg/L	0.00047	10.82%
Tl 190.801	1.5	0.0008	mg/L	0.00018	0.0008	mg/L	0.00018	21.65%
V 292.402	4053.9	0.0171	mg/L	0.00002	0.0171	mg/L	0.00002	0.14%
Zn 206.200	8887.3	0.0913	mg/L	0.00036	0.0913	mg/L	0.00036	0.39%
Na 330.237	200.0	0.1850	mg/L	0.04083	0.1850	mg/L	0.04083	22.07%
Cd 226.502	566.5	0.0005	mg/L	0.00006	0.0005	mg/L	0.00006	11.74%
Ti 334.940	33809.0	0.0465	mg/L	0.00015	0.0465	mg/L	0.00015	0.32%
Ca 227.546	10174.0	19.725	mg/L	0.1958	19.725	mg/L	0.1958	0.99%

Sequence No.: 24
Sample ID: D0523-01ASD,18177
Analyst:
Sample Wt: 5/26/05
Dilution:

Autosampler Location: 51
Date Collected: 5/19/05 12:39:40 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:19 AM,

Mean Data: D0523-01ASD,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-4160.6	-0.0036	mg/L	0.00026	-0.0036	mg/L	0.00026	7.28%
Al 308.215	2251501.9	66.670	mg/L	0.4684	66.670	mg/L	0.4684	0.70%
As 188.979	123.0	0.0764	mg/L	0.00021	0.0764	mg/L	0.00021	0.28%
Ba 233.527	80867.5	0.9163	mg/L	0.00555	0.9163	mg/L	0.00555	0.61%
Be 313.107	17803.9	0.0032	mg/L	0.00003	0.0032	mg/L	0.00003	0.93%
Co 228.616	3377.9	0.0684	mg/L	0.00022	0.0684	mg/L	0.00022	0.32%
Cr 267.716	22068.9	0.0961	mg/L	0.00085	0.0961	mg/L	0.00085	0.88%
Cu 324.752	48833.4	0.1374	mg/L	0.00127	0.1374	mg/L	0.00127	0.92%
Fe 273.955	3405172.1	147.22	mg/L	0.919	147.22	mg/L	0.919	0.62%
Mg 279.077	868920.7	46.224	mg/L	0.2647	46.224	mg/L	0.2647	0.57%
Mn 257.610	323051.3	2.9877	mg/L	0.01682	2.9877	mg/L	0.01682	0.56%
Ni 231.604	11836.3	0.1487	mg/L	0.00064	0.1487	mg/L	0.00064	0.43%
Pb 220.353	1911.9	0.1815	mg/L	0.00051	0.1815	mg/L	0.00051	0.28%
Sb 206.836	120.5	0.0098	mg/L	0.00115	0.0098	mg/L	0.00115	11.79%
Se 196.026	-143.0	-0.0172	mg/L	0.00042	-0.0172	mg/L	0.00042	2.44%
Tl 190.801	-3.8	-0.0015	mg/L	0.00066	-0.0015	mg/L	0.00066	45.35%
V 292.402	20835.6	0.0880	mg/L	0.00112	0.0880	mg/L	0.00112	1.27%
Zn 206.200	41953.2	0.4307	mg/L	0.00387	0.4307	mg/L	0.00387	0.90%
Na 330.237	1705.4	1.3598	mg/L	0.06712	1.3598	mg/L	0.06712	4.94%
Cd 226.502	2673.1	0.0021	mg/L	0.00009	0.0021	mg/L	0.00009	4.44%
Ti 334.940	172134.2	0.2367	mg/L	0.00120	0.2367	mg/L	0.00120	0.51%
Ca 227.546	52708.1	102.34	mg/L	0.688	102.34	mg/L	0.688	0.67%

V 292.402	8.2	0.0000 mg/L	0.00028	0.0000 mg/L	0.00028	807.93%
Zn 206.200	745.4	0.0077 mg/L	0.00087	0.0077 mg/L	0.00087	11.32%
Na 330.237	104.2	0.0658 mg/L	0.14930	0.0658 mg/L	0.14930	227.00%
Cd 226.502	-2.3	0.0000 mg/L	0.00004	0.0000 mg/L	0.00004	359.85%
Ti 334.940	33.1	0.0000 mg/L	0.00012	0.0000 mg/L	0.00012	267.43%
Ca 227.546	5.0	0.0097 mg/L	0.02690	0.0097 mg/L	0.02690	276.87%

Sequence No.: 21
Sample ID: MB-18177,18177
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 5/19/05 12:27:14 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:17 AM,

Mean Data: MB-18177,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	313.2	0.0009	mg/L	0.00013	0.0009	mg/L	0.00013	14.21%
Al 308.215	571.3	0.0169	mg/L	0.00391	0.0169	mg/L	0.00391	23.11%
As 188.979	-2.5	-0.0015	mg/L	0.00087	-0.0015	mg/L	0.00087	58.86%
Ba 233.527	93.7	0.0011	mg/L	0.00010	0.0011	mg/L	0.00010	9.23%
Be 313.107	57.9	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	115.32%
Co 228.616	11.7	0.0002	mg/L	0.00007	0.0002	mg/L	0.00007	26.12%
Cr 267.716	77.3	0.0003	mg/L	0.00018	0.0003	mg/L	0.00018	54.18%
Cu 324.752	1834.8	0.0047	mg/L	0.00051	0.0047	mg/L	0.00051	10.89%
Fe 273.955	604.5	0.0261	mg/L	0.00058	0.0261	mg/L	0.00058	2.23%
Mg 279.077	80.9	0.0043	mg/L	0.00092	0.0043	mg/L	0.00092	21.23%
Mn 257.610	99.7	0.0009	mg/L	0.00004	0.0009	mg/L	0.00004	4.69%
Ni 231.604	46.9	0.0006	mg/L	0.00001	0.0006	mg/L	0.00001	1.83%
Pb 220.353	-6.2	-0.0005	mg/L	0.00048	-0.0005	mg/L	0.00048	94.27%
Sb 206.836	16.5	0.0054	mg/L	0.00037	0.0054	mg/L	0.00037	6.87%
Se 196.026	5.7	0.0025	mg/L	0.00042	0.0025	mg/L	0.00042	17.30%
Tl 190.801	0.9	0.0004	mg/L	0.00101	0.0004	mg/L	0.00101	225.05%
V 292.402	-23.1	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	87.94%
Zn 206.200	1879.6	0.0195	mg/L	0.00040	0.0195	mg/L	0.00040	2.06%
Na 330.237	152.6	0.0964	mg/L	0.06227	0.0964	mg/L	0.06227	64.61%
Cd 226.502	-12.3	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	9.25%
Ti 334.940	221.7	0.0003	mg/L	0.00001	0.0003	mg/L	0.00001	3.50%
Ca 227.546	53.7	0.1057	mg/L	0.02320	0.1057	mg/L	0.02320	21.95%

Sequence No.: 22
Sample ID: LCS-18177,18177
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 5/19/05 12:31:19 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:18 AM,

Mean Data: LCS-18177,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	154358.9	0.4584	mg/L	0.00376	0.4584	mg/L	0.00376	0.82%
Al 308.215	1101755.7	32.611	mg/L	0.0071	32.611	mg/L	0.0071	0.02%
As 188.979	950.1	0.5576	mg/L	0.00569	0.5576	mg/L	0.00569	1.02%
Ba 233.527	91910.2	1.0602	mg/L	0.00886	1.0602	mg/L	0.00886	0.84%
Be 313.107	1920024.7	0.3117	mg/L	0.00161	0.3117	mg/L	0.00161	0.52%
Co 228.616	15382.6	0.3267	mg/L	0.00217	0.3267	mg/L	0.00217	0.66%
Cr 267.716	173435.8	0.7671	mg/L	0.00827	0.7671	mg/L	0.00827	1.08%
Cu 324.752	208393.6	0.5339	mg/L	0.00679	0.5339	mg/L	0.00679	1.27%
Fe 273.955	1056703.8	45.666	mg/L	0.0576	45.666	mg/L	0.0576	0.13%
Mg 279.077	226037.2	12.052	mg/L	0.0905	12.052	mg/L	0.0905	0.75%
Mn 257.610	180777.6	1.6511	mg/L	0.01243	1.6511	mg/L	0.01243	0.75%
Ni 231.604	60931.2	0.8283	mg/L	0.00373	0.8283	mg/L	0.00373	0.45%
Pb 220.353	9654.1	0.8266	mg/L	0.00527	0.8266	mg/L	0.00527	0.64%
Sb 206.836	600.5	0.1813	mg/L	0.00075	0.1813	mg/L	0.00075	0.42%
Se 196.026	1031.3	0.4564	mg/L	0.00051	0.4564	mg/L	0.00051	0.11%
Tl 190.801	1008.8	0.4801	mg/L	0.00183	0.4801	mg/L	0.00183	0.38%
V 292.402	82909.5	0.3435	mg/L	0.00336	0.3435	mg/L	0.00336	0.98%
Zn 206.200	96430.4	0.9985	mg/L	0.01068	0.9985	mg/L	0.01068	1.07%
Na 330.237	7218.1	5.3214	mg/L	0.10499	5.3214	mg/L	0.10499	1.97%

Sequence No.: 25
Sample ID: D0529-01B,18177
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 5/19/05 12:43:51 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:20 AM,

Mean Data: D0529-01B,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-2705.9	-0.0268	mg/L	0.00000	-0.0268	mg/L	0.00000	0.00%
Al 308.215	1246983.1	36.918	mg/L	0.2305	36.918	mg/L	0.2305	0.62%
As 188.979	125.3	0.0767	mg/L	0.00036	0.0767	mg/L	0.00036	0.46%
Ba 233.527	32704.2	0.3623	mg/L	0.00158	0.3623	mg/L	0.00158	0.44%
Be 313.107	7379.4	0.0015	mg/L	0.00000	0.0015	mg/L	0.00000	0.25%
Co 228.616	1608.3	0.0315	mg/L	0.00008	0.0315	mg/L	0.00008	0.27%
Cr 267.716	12391.0	0.0531	mg/L	0.00021	0.0531	mg/L	0.00021	0.40%
Cu 324.752	51895.9	0.1400	mg/L	0.00017	0.1400	mg/L	0.00017	0.12%
Fe 273.955	2431017.8	105.10	mg/L	0.475	105.10	mg/L	0.475	0.45%
Mg 279.077	904617.9	48.110	mg/L	0.1790	48.110	mg/L	0.1790	0.37%
Mn 257.610	354432.6	3.2425	mg/L	0.01243	3.2425	mg/L	0.01243	0.38%
Ni 231.604	5837.6	0.0703	mg/L	0.00027	0.0703	mg/L	0.00027	0.39%
Pb 220.353	552.2	0.0614	mg/L	0.00032	0.0614	mg/L	0.00032	0.52%
Sb 206.836	79.0	0.0071	mg/L	0.00070	0.0071	mg/L	0.00070	9.86%
Se 196.026	-109.6	-0.0141	mg/L	0.00382	-0.0141	mg/L	0.00382	27.15%
Tl 190.801	-6.1	0.0014	mg/L	0.00186	0.0014	mg/L	0.00186	137.42%
V 292.402	16124.2	0.0680	mg/L	0.00082	0.0680	mg/L	0.00082	1.20%
Zn 206.200	31551.2	0.3224	mg/L	0.00076	0.3224	mg/L	0.00076	0.24%
Na 330.237	1494.8	1.0835	mg/L	0.01764	1.0835	mg/L	0.01764	1.63%
Cd 226.502	1941.6	0.0016	mg/L	0.00010	0.0016	mg/L	0.00010	6.13%
Ti 334.940	173337.4	0.2438	mg/L	0.00124	0.2438	mg/L	0.00124	0.51%
Ca 227.546	128255.1	252.24	mg/L	1.677	252.24	mg/L	1.677	0.66%

Sequence No.: 26
Sample ID: CRI
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/19/05 12:48:02 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:21 AM,

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	7377.9	0.0217	mg/L	0.00023	0.0217	mg/L	0.00023	1.06%
Al 308.215	1111.0	0.0313	mg/L	0.01039	0.0313	mg/L	0.01039	33.23%
As 188.979	34.5	0.0202	mg/L	0.00042	0.0202	mg/L	0.00042	2.06%
Ba 233.527	97.0	0.0011	mg/L	0.00009	0.0011	mg/L	0.00009	8.49%
Be 313.107	62236.1	0.0101	mg/L	0.00003	0.0101	mg/L	0.00003	0.28%
Co 228.616	4958.4	0.1063	mg/L	0.00025	0.1063	mg/L	0.00025	0.24%
Cr 267.716	4606.9	0.0204	mg/L	0.00010	0.0204	mg/L	0.00010	0.48%
Cu 324.752	20032.4	0.0511	mg/L	0.00026	0.0511	mg/L	0.00026	0.51%
Fe 273.955	933.4	0.0343	mg/L	0.01332	0.0343	mg/L	0.01332	38.82%
Mg 279.077	397.9	0.0219	mg/L	0.01813	0.0219	mg/L	0.01813	82.83%
Mn 257.610	3629.6	0.0326	mg/L	0.00028	0.0326	mg/L	0.00028	0.87%
Ni 231.604	6319.7	0.0866	mg/L	0.00090	0.0866	mg/L	0.00090	1.04%
Pb 220.353	73.1	0.0063	mg/L	0.00046	0.0063	mg/L	0.00046	7.27%
Sb 206.836	314.1	0.1028	mg/L	0.01002	0.1028	mg/L	0.01002	9.75%
Se 196.026	27.4	0.0117	mg/L	0.00071	0.0117	mg/L	0.00071	6.01%
Tl 190.801	44.0	0.0208	mg/L	0.00129	0.0208	mg/L	0.00129	6.18%
V 292.402	24823.9	0.1024	mg/L	0.00031	0.1024	mg/L	0.00031	0.30%
Zn 206.200	5131.0	0.0532	mg/L	0.00037	0.0532	mg/L	0.00037	0.70%
Na 330.237	215.3	0.1364	mg/L	0.10161	0.1364	mg/L	0.10161	74.51%
Cd 226.502	2428.5	0.0106	mg/L	0.00002	0.0106	mg/L	0.00002	0.22%
Ti 334.940	151.7	0.0002	mg/L	0.00010	0.0002	mg/L	0.00010	48.19%
Ca 227.546	69.7	0.1295	mg/L	0.05103	0.1295	mg/L	0.05103	39.41%

Sequence No.: 27

Autosampler Location: 5

Sample ID: ICSA
Analyst:
Sample Wt:
Dilution:

Date Collected: 5/19/05 12:52:12 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:21 AM,

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-4910.7	0.0032	mg/L	0.00112	0.0032	mg/L	0.00112	34.99%
Al 308.215	15904095.9	471.03	mg/L	4.131	471.03	mg/L	4.131	0.88%
As 188.979	47.8	0.0018	mg/L	0.00143	0.0018	mg/L	0.00143	80.70%
Ba 233.527	2381.2	-0.0043	mg/L	0.00026	-0.0043	mg/L	0.00026	6.03%
Be 313.107	-371.2	-0.0001	mg/L	0.00000	-0.0001	mg/L	0.00000	3.69%
Co 228.616	128.6	-0.0014	mg/L	0.00010	-0.0014	mg/L	0.00010	6.82%
Cr 267.716	246.1	0.0012	mg/L	0.00005	0.0012	mg/L	0.00005	3.90%
Cu 324.752	-6319.5	-0.0042	mg/L	0.00068	-0.0042	mg/L	0.00068	16.14%
Fe 273.955	3902340.1	168.72	mg/L	1.068	168.72	mg/L	1.068	0.63%
Mg 279.077	8611188.5	457.14	mg/L	3.204	457.14	mg/L	3.204	0.70%
Mn 257.610	-13234.5	0.0116	mg/L	0.00176	0.0116	mg/L	0.00176	15.23%
Ni 231.604	273.7	-0.0112	mg/L	0.00006	-0.0112	mg/L	0.00006	0.50%
Pb 220.353	-1359.0	-0.0013	mg/L	0.00142	-0.0013	mg/L	0.00142	105.78%
Sb 206.836	414.9	0.0314	mg/L	0.00067	0.0314	mg/L	0.00067	2.14%
Se 196.026	-250.5	-0.0023	mg/L	0.00122	-0.0023	mg/L	0.00122	52.82%
Tl 190.801	58.4	0.0008	mg/L	0.00106	0.0008	mg/L	0.00106	137.25%
V 292.402	-831.4	-0.0002	mg/L	0.00015	-0.0002	mg/L	0.00015	69.68%
Zn 206.200	2069.1	-0.0019	mg/L	0.00007	-0.0019	mg/L	0.00007	3.75%
Na 330.237	-311.1	-0.3747	mg/L	0.02098	-0.3747	mg/L	0.02098	5.60%
Cd 226.502	3054.1	0.0037	mg/L	0.00012	0.0037	mg/L	0.00012	3.33%
Ti 334.940	-15235.7	-0.0032	mg/L	0.00002	-0.0032	mg/L	0.00002	0.47%
Ca 227.546	241991.9	476.56	mg/L	0.718	476.56	mg/L	0.718	0.15%

Sequence No.: 28
Sample ID: ICSAB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/19/05 12:56:27 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:22 AM,

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	62358.4	0.2011	mg/L	0.00232	0.2011	mg/L	0.00232	1.15%
Al 308.215	15901453.7	470.95	mg/L	3.245	470.95	mg/L	3.245	0.69%
As 188.979	204.4	0.0952	mg/L	0.00094	0.0952	mg/L	0.00094	0.99%
Ba 233.527	43308.5	0.4707	mg/L	0.00635	0.4707	mg/L	0.00635	1.35%
Be 313.107	2833099.3	0.4575	mg/L	0.00496	0.4575	mg/L	0.00496	1.08%
Co 228.616	20875.4	0.4434	mg/L	0.00158	0.4434	mg/L	0.00158	0.36%
Cr 267.716	101719.3	0.4504	mg/L	0.00653	0.4504	mg/L	0.00653	1.45%
Cu 324.752	176751.1	0.4622	mg/L	0.00464	0.4622	mg/L	0.00464	1.00%
Fe 273.955	3906318.6	168.86	mg/L	1.225	168.86	mg/L	1.225	0.73%
Mg 279.077	8620927.8	457.66	mg/L	2.788	457.66	mg/L	2.788	0.61%
Mn 257.610	38374.5	0.4753	mg/L	0.00635	0.4753	mg/L	0.00635	1.34%
Ni 231.604	63576.4	0.8561	mg/L	0.01272	0.8561	mg/L	0.01272	1.49%
Pb 220.353	-858.7	0.0416	mg/L	0.00108	0.0416	mg/L	0.00108	2.60%
Sb 206.836	2466.6	0.7005	mg/L	0.00253	0.7005	mg/L	0.00253	0.36%
Se 196.026	-132.6	0.0478	mg/L	0.00232	0.0478	mg/L	0.00232	4.85%
Tl 190.801	238.6	0.0863	mg/L	0.00119	0.0863	mg/L	0.00119	1.38%
V 292.402	110563.2	0.4599	mg/L	0.00738	0.4599	mg/L	0.00738	1.61%
Zn 206.200	84429.9	0.8521	mg/L	0.00595	0.8521	mg/L	0.00595	0.70%
Na 330.237	2504.6	1.4060	mg/L	0.01531	1.4060	mg/L	0.01531	1.09%
Cd 226.502	200750.1	0.8614	mg/L	0.01116	0.8614	mg/L	0.01116	1.30%
Ti 334.940	-15227.6	-0.0033	mg/L	0.00004	-0.0033	mg/L	0.00004	1.35%
Ca 227.546	241617.6	475.76	mg/L	9.034	475.76	mg/L	9.034	1.90%

Sequence No.: 29
Sample ID: CCV
Analyst:
Sample Wt:

Autosampler Location: 3
Date Collected: 5/19/05 1:00:45 PM

Sample Prep Volume:

Dilution: Data Type: Reprocessed on 5/20/05 9:16:23 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	415130.8	1.2196	mg/L	0.00315	1.2196	mg/L	0.00315	0.26%
Al 308.215	337857.4	9.9588	mg/L	0.03447	9.9588	mg/L	0.03447	0.35%
As 188.979	883.6	0.5186	mg/L	0.00235	0.5186	mg/L	0.00235	0.45%
Ba 233.527	917069.7	10.649	mg/L	0.0500	10.649	mg/L	0.0500	0.47%
Be 313.107	1598519.8	0.2582	mg/L	0.00079	0.2582	mg/L	0.00079	0.31%
Co 228.616	120420.7	2.5819	mg/L	0.00022	2.5819	mg/L	0.00022	0.01%
Cr 267.716	230385.6	1.0192	mg/L	0.00293	1.0192	mg/L	0.00293	0.29%
Cu 324.752	505217.0	1.2867	mg/L	0.00502	1.2867	mg/L	0.00502	0.39%
Fe 273.955	121108.4	5.0846	mg/L	0.01517	5.0846	mg/L	0.01517	0.30%
Mg 279.077	488573.7	25.986	mg/L	0.0746	25.986	mg/L	0.0746	0.29%
Mn 257.610	287506.6	2.5854	mg/L	0.00335	2.5854	mg/L	0.00335	0.13%
Ni 231.604	188906.1	2.5873	mg/L	0.00037	2.5873	mg/L	0.00037	0.01%
Pb 220.353	6005.2	0.5128	mg/L	0.00177	0.5128	mg/L	0.00177	0.34%
Sb 206.836	1698.5	0.5507	mg/L	0.00791	0.5507	mg/L	0.00791	1.44%
Se 196.026	1198.7	0.5145	mg/L	0.00300	0.5145	mg/L	0.00300	0.58%
Tl 190.801	1079.0	0.5122	mg/L	0.00281	0.5122	mg/L	0.00281	0.55%
V 292.402	623680.4	2.5738	mg/L	0.00863	2.5738	mg/L	0.00863	0.34%
Zn 206.200	252694.5	2.6179	mg/L	0.00403	2.6179	mg/L	0.00403	0.15%
Na 330.237	38514.8	24.278	mg/L	0.1359	24.278	mg/L	0.1359	0.56%
Cd 226.502	58845.0	0.2555	mg/L	0.00157	0.2555	mg/L	0.00157	0.62%
Ti 334.940	-153.8	0.0006	mg/L	0.00004	0.0006	mg/L	0.00004	6.74%
Ca 227.546	13026.1	25.476	mg/L	0.1454	25.476	mg/L	0.1454	0.57%

Sequence No.: 30
Sample ID: CCB
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 5/19/05 1:04:57 PM
Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:24 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	246.5	0.0007	mg/L	0.00013	0.0007	mg/L	0.00013	17.41%
Al 308.215	1068.1	0.0316	mg/L	0.00354	0.0316	mg/L	0.00354	11.19%
As 188.979	-0.1	0.0000	mg/L	0.00016	0.0000	mg/L	0.00016	472.50%
Ba 233.527	101.4	0.0012	mg/L	0.00033	0.0012	mg/L	0.00033	27.77%
Be 313.107	168.7	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	148.72%
Co 228.616	27.7	0.0006	mg/L	0.00011	0.0006	mg/L	0.00011	17.95%
Cr 267.716	66.4	0.0003	mg/L	0.00012	0.0003	mg/L	0.00012	40.53%
Cu 324.752	1911.3	0.0049	mg/L	0.00075	0.0049	mg/L	0.00075	15.49%
Fe 273.955	219.1	0.0095	mg/L	0.00110	0.0095	mg/L	0.00110	11.67%
Mg 279.077	1530.5	0.0812	mg/L	0.01066	0.0812	mg/L	0.01066	13.12%
Mn 257.610	14.6	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009	68.51%
Ni 231.604	59.8	0.0008	mg/L	0.00007	0.0008	mg/L	0.00007	8.26%
Pb 220.353	-5.3	-0.0004	mg/L	0.00030	-0.0004	mg/L	0.00030	67.07%
Sb 206.836	29.4	0.0096	mg/L	0.00040	0.0096	mg/L	0.00040	4.19%
Se 196.026	3.2	0.0014	mg/L	0.00084	0.0014	mg/L	0.00084	60.45%
Tl 190.801	3.6	0.0017	mg/L	0.00071	0.0017	mg/L	0.00071	41.33%
V 292.402	68.2	0.0003	mg/L	0.00021	0.0003	mg/L	0.00021	73.28%
Zn 206.200	560.6	0.0058	mg/L	0.00082	0.0058	mg/L	0.00082	14.11%
Na 330.237	78.4	0.0495	mg/L	0.03128	0.0495	mg/L	0.03128	63.20%
Cd 226.502	12.6	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	65.68%
Ti 334.940	14.4	0.0000	mg/L	0.00013	0.0000	mg/L	0.00013	617.81%
Ca 227.546	18.2	0.0357	mg/L	0.01269	0.0357	mg/L	0.01269	35.52%

Sequence No.: 31
Sample ID: D0529-01BDUP,18177
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 53
Date Collected: 5/19/05 1:09:04 PM
Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:24 AM,

Mean Data: D0529-01BDUP,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-2183.5	-0.0130	mg/L	0.00015	-0.0130	mg/L	0.00015	1.13%
Al 308.215	1045490.4	30.956	mg/L	0.0204	30.956	mg/L	0.0204	0.07%
As 188.979	87.3	0.0540	mg/L	0.00320	0.0540	mg/L	0.00320	5.93%
Ba 233.527	26473.5	0.2938	mg/L	0.00016	0.2938	mg/L	0.00016	0.05%
Be 313.107	5751.6	0.0012	mg/L	0.00000	0.0012	mg/L	0.00000	0.27%
Co 228.616	1323.5	0.0260	mg/L	0.00001	0.0260	mg/L	0.00001	0.04%
Cr 267.716	9060.7	0.0390	mg/L	0.00011	0.0390	mg/L	0.00011	0.29%
Cu 324.752	46787.5	0.1263	mg/L	0.00032	0.1263	mg/L	0.00032	0.26%
Fe 273.955	1953978.8	84.477	mg/L	0.0186	84.477	mg/L	0.0186	0.02%
Mg 279.077	461930.9	24.581	mg/L	0.0190	24.581	mg/L	0.0190	0.08%
Mn 257.610	208156.7	1.9179	mg/L	0.00263	1.9179	mg/L	0.00263	0.14%
Ni 231.604	4899.7	0.0593	mg/L	0.00009	0.0593	mg/L	0.00009	0.15%
Pb 220.353	466.3	0.0505	mg/L	0.00043	0.0505	mg/L	0.00043	0.86%
Sb 206.836	75.9	0.0094	mg/L	0.00102	0.0094	mg/L	0.00102	10.87%
Se 196.026	-85.2	-0.0107	mg/L	0.00006	-0.0107	mg/L	0.00006	0.58%
Tl 190.801	-6.1	-0.0011	mg/L	0.00046	-0.0011	mg/L	0.00046	41.67%
V 292.402	10274.6	0.0435	mg/L	0.00045	0.0435	mg/L	0.00045	1.03%
Zn 206.200	26784.3	0.2748	mg/L	0.00090	0.2748	mg/L	0.00090	0.33%
Na 330.237	1344.4	0.9922	mg/L	0.02049	0.9922	mg/L	0.02049	2.07%
Cd 226.502	1530.9	0.0011	mg/L	0.00018	0.0011	mg/L	0.00018	16.02%
Ti 334.940	130012.6	0.1809	mg/L	0.00550	0.1809	mg/L	0.00550	3.04%
Ca 227.546	69844.9	137.02	mg/L	0.011	137.02	mg/L	0.011	0.01%

Sequence No.: 32
Sample ID: D0529-01BMS,18177
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 5/19/05 1:13:16 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:25 AM,

Mean Data: D0529-01BMS,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	14124.4	0.0250	mg/L	0.00005	0.0250	mg/L	0.00005	0.22%
Al 308.215	1140079.0	33.746	mg/L	0.3884	33.746	mg/L	0.3884	1.15%
As 188.979	184.6	0.1117	mg/L	0.00070	0.1117	mg/L	0.00070	0.63%
Ba 233.527	206390.2	2.3815	mg/L	0.02189	2.3815	mg/L	0.02189	0.92%
Be 313.107	310558.4	0.0505	mg/L	0.00040	0.0505	mg/L	0.00040	0.79%
Co 228.616	24392.6	0.5203	mg/L	0.00266	0.5203	mg/L	0.00266	0.51%
Cr 267.716	53659.6	0.2361	mg/L	0.00149	0.2361	mg/L	0.00149	0.63%
Cu 324.752	146060.0	0.3791	mg/L	0.00632	0.3791	mg/L	0.00632	1.67%
Fe 273.955	2128348.0	91.986	mg/L	0.7207	91.986	mg/L	0.7207	0.78%
Mg 279.077	655279.8	34.866	mg/L	0.2597	34.866	mg/L	0.2597	0.74%
Mn 257.610	321003.7	2.9351	mg/L	0.02652	2.9351	mg/L	0.02652	0.90%
Ni 231.604	40765.8	0.5499	mg/L	0.00550	0.5499	mg/L	0.00550	1.00%
Pb 220.353	747.5	0.0769	mg/L	0.00038	0.0769	mg/L	0.00038	0.49%
Sb 206.836	261.0	0.0683	mg/L	0.00078	0.0683	mg/L	0.00078	1.15%
Se 196.026	-73.2	-0.0026	mg/L	0.00114	-0.0026	mg/L	0.00114	43.51%
Tl 190.801	92.8	0.0470	mg/L	0.00166	0.0470	mg/L	0.00166	3.52%
V 292.402	132710.0	0.5489	mg/L	0.00378	0.5489	mg/L	0.00378	0.69%
Zn 206.200	74827.4	0.7717	mg/L	0.00623	0.7717	mg/L	0.00623	0.81%
Na 330.237	2730.0	1.8759	mg/L	0.19251	1.8759	mg/L	0.19251	10.26%
Cd 226.502	2721.6	0.0059	mg/L	0.00026	0.0059	mg/L	0.00026	4.45%
Ti 334.940	188889.1	0.2637	mg/L	0.00402	0.2637	mg/L	0.00402	1.52%
Ca 227.546	112756.5	221.72	mg/L	2.782	221.72	mg/L	2.782	1.25%

Sequence No.: 33
Sample ID: D0529-01BSD,18177
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 5/19/05 1:17:29 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:26 AM,

Mean Data: D0529-01BSD,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

Ag 328.068	-512.5	-0.0051 mg/L	0.00014	-0.0051 mg/L	0.00014	2.74%
Al 308.215	252391.6	7.4721 mg/L	0.02979	7.4721 mg/L	0.02979	0.40%
As 188.979	26.9	0.0165 mg/L	0.00202	0.0165 mg/L	0.00202	12.26%
Ba 233.527	6993.5	0.0774 mg/L	0.00011	0.0774 mg/L	0.00011	0.14%
Be 313.107	1458.7	0.0003 mg/L	0.00000	0.0003 mg/L	0.00000	0.30%
Co 228.616	349.1	0.0068 mg/L	0.00004	0.0068 mg/L	0.00004	0.56%
Cr 267.716	2613.8	0.0112 mg/L	0.00021	0.0112 mg/L	0.00021	1.85%
Cu 324.752	11472.8	0.0310 mg/L	0.00049	0.0310 mg/L	0.00049	1.58%
Fe 273.955	527980.9	22.826 mg/L	0.0582	22.826 mg/L	0.0582	0.26%
Mg 279.077	195807.4	10.413 mg/L	0.0181	10.413 mg/L	0.0181	0.17%
Mn 257.610	75388.8	0.6899 mg/L	0.00042	0.6899 mg/L	0.00042	0.06%
Ni 231.604	1275.1	0.0154 mg/L	0.00002	0.0154 mg/L	0.00002	0.13%
Pb 220.353	101.1	0.0116 mg/L	0.00037	0.0116 mg/L	0.00037	3.17%
Sb 206.836	20.7	0.0028 mg/L	0.00032	0.0028 mg/L	0.00032	11.54%
Se 196.026	-24.3	-0.0034 mg/L	0.00067	-0.0034 mg/L	0.00067	19.59%
Tl 190.801	-7.2	-0.0026 mg/L	0.00120	-0.0026 mg/L	0.00120	46.97%
V 292.402	3356.2	0.0142 mg/L	0.00025	0.0142 mg/L	0.00025	1.76%
Zn 206.200	6928.5	0.0708 mg/L	0.00029	0.0708 mg/L	0.00029	0.41%
Na 330.237	350.7	0.2534 mg/L	0.09641	0.2534 mg/L	0.09641	38.04%
Cd 226.502	407.1	0.0003 mg/L	0.00009	0.0003 mg/L	0.00009	33.48%
Ti 334.940	36772.4	0.0516 mg/L	0.00168	0.0516 mg/L	0.00168	3.25%
Ca 227.546	26003.3	51.121 mg/L	0.1655	51.121 mg/L	0.1655	0.32%

Sequence No.: 34
Sample ID: D0529-01BPDS,18177
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 5/19/05 1:21:30 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:26 AM,

Mean Data: D0529-01BPDS,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	3833.8	-0.0073	mg/L	0.00006	-0.0073	mg/L	0.00006	0.83%
Al 308.215	1237753.3	36.643	mg/L	0.4083	36.643	mg/L	0.4083	1.11%
As 188.979	159.0	0.0964	mg/L	0.00153	0.0964	mg/L	0.00153	1.59%
Ba 233.527	32503.9	0.3600	mg/L	0.00309	0.3600	mg/L	0.00309	0.86%
Be 313.107	68740.9	0.0114	mg/L	0.00010	0.0114	mg/L	0.00010	0.88%
Co 228.616	6148.9	0.1288	mg/L	0.00010	0.1288	mg/L	0.00010	0.08%
Cr 267.716	16617.2	0.0718	mg/L	0.00083	0.0718	mg/L	0.00083	1.16%
Cu 324.752	71526.4	0.1900	mg/L	0.00347	0.1900	mg/L	0.00347	1.82%
Fe 273.955	2415028.1	104.40	mg/L	1.091	104.40	mg/L	1.091	1.04%
Mg 279.077	898092.7	47.763	mg/L	0.5539	47.763	mg/L	0.5539	1.16%
Mn 257.610	354484.1	3.2426	mg/L	0.03544	3.2426	mg/L	0.03544	1.09%
Ni 231.604	11513.8	0.1481	mg/L	0.00025	0.1481	mg/L	0.00025	0.17%
Pb 220.353	615.0	0.0667	mg/L	0.00026	0.0667	mg/L	0.00026	0.39%
Sb 206.836	523.2	0.1525	mg/L	0.00044	0.1525	mg/L	0.00044	0.29%
Se 196.026	-80.9	-0.0020	mg/L	0.00099	-0.0020	mg/L	0.00099	49.06%
Tl 190.801	30.8	0.0188	mg/L	0.00072	0.0188	mg/L	0.00072	3.82%
V 292.402	40223.7	0.1674	mg/L	0.00088	0.1674	mg/L	0.00088	0.53%
Zn 206.200	34444.0	0.3524	mg/L	0.00306	0.3524	mg/L	0.00306	0.87%
Na 330.237	1369.6	1.0048	mg/L	0.17420	1.0048	mg/L	0.17420	17.34%
Cd 226.502	4189.8	0.0114	mg/L	0.00011	0.0114	mg/L	0.00011	0.98%
Ti 334.940	172380.0	0.2424	mg/L	0.00201	0.2424	mg/L	0.00201	0.83%
Ca 227.546	127081.0	249.92	mg/L	3.432	249.92	mg/L	3.432	1.37%

Sequence No.: 35
Sample ID: D0529-03D,18176
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 5/19/05 1:25:35 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:27 AM,

Mean Data: D0529-03D,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	556.2	0.0016	mg/L	0.00009	0.0016	mg/L	0.00009	5.85%
Al 308.215	1329.8	0.0394	mg/L	0.00530	0.0394	mg/L	0.00530	13.46%
As 188.979	0.8	0.0005	mg/L	0.00081	0.0005	mg/L	0.00081	173.08%

Ba 233.527	157.2	0.0018 mg/L	0.00010	0.0018 mg/L	0.00010	5.74%
Be 313.107	-115.1	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	15.29%
Co 228.616	28.4	0.0006 mg/L	0.00010	0.0006 mg/L	0.00010	16.15%
Cr 267.716	39.8	0.0002 mg/L	0.00012	0.0002 mg/L	0.00012	67.99%
Cu 324.752	1750.4	0.0045 mg/L	0.00111	0.0045 mg/L	0.00111	24.84%
Fe 273.955	525.0	0.0227 mg/L	0.00728	0.0227 mg/L	0.00728	32.06%
Mg 279.077	728.6	0.0387 mg/L	0.01765	0.0387 mg/L	0.01765	45.61%
Mn 257.610	93.1	0.0008 mg/L	0.00012	0.0008 mg/L	0.00012	14.66%
Ni 231.604	60.6	0.0008 mg/L	0.00005	0.0008 mg/L	0.00005	6.25%
Pb 220.353	-0.7	0.0000 mg/L	0.00015	0.0000 mg/L	0.00015	370.83%
Sb 206.836	3.7	0.0012 mg/L	0.00021	0.0012 mg/L	0.00021	17.19%
Se 196.026	3.8	0.0016 mg/L	0.00009	0.0016 mg/L	0.00009	5.71%
Tl 190.801	-0.1	0.0000 mg/L	0.00011	0.0000 mg/L	0.00011	229.01%
V 292.402	2.1	0.0000 mg/L	0.00004	0.0000 mg/L	0.00004	402.11%
Zn 206.200	2631.6	0.0273 mg/L	0.00063	0.0273 mg/L	0.00063	2.29%
Na 330.237	325.0	0.2049 mg/L	0.03590	0.2049 mg/L	0.03590	17.52%
Cd 226.502	3.6	0.0000 mg/L	0.00004	0.0000 mg/L	0.00004	267.09%
Ti 334.940	251.3	0.0004 mg/L	0.00010	0.0004 mg/L	0.00010	28.74%
Ca 227.546	167.5	0.3308 mg/L	0.04497	0.3308 mg/L	0.04497	13.60%

Sequence No.: 36
Sample ID: D0529-03DSD,18176
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 5/19/05 1:29:39 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:28 AM,

Mean Data: D0529-03DSD,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	104.0	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	10.49%
Al 308.215	1335.2	0.0395	mg/L	0.00682	0.0395	mg/L	0.00682	17.23%
As 188.979	-1.0	-0.0006	mg/L	0.00048	-0.0006	mg/L	0.00048	81.81%
Ba 233.527	32.8	0.0004	mg/L	0.00003	0.0004	mg/L	0.00003	7.92%
Be 313.107	-169.1	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	43.47%
Co 228.616	15.0	0.0003	mg/L	0.00001	0.0003	mg/L	0.00001	4.20%
Cr 267.716	17.9	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	44.18%
Cu 324.752	424.6	0.0011	mg/L	0.00007	0.0011	mg/L	0.00007	6.45%
Fe 273.955	87.5	0.0038	mg/L	0.00074	0.0038	mg/L	0.00074	19.56%
Mg 279.077	291.6	0.0155	mg/L	0.00897	0.0155	mg/L	0.00897	57.95%
Mn 257.610	16.1	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	3.68%
Ni 231.604	20.3	0.0003	mg/L	0.00012	0.0003	mg/L	0.00012	44.71%
Pb 220.353	-4.7	-0.0004	mg/L	0.00059	-0.0004	mg/L	0.00059	152.51%
Sb 206.836	6.6	0.0021	mg/L	0.00088	0.0021	mg/L	0.00088	40.93%
Se 196.026	2.0	0.0008	mg/L	0.00061	0.0008	mg/L	0.00061	72.27%
Tl 190.801	-3.1	-0.0015	mg/L	0.00055	-0.0015	mg/L	0.00055	36.91%
V 292.402	-2.6	0.0000	mg/L	0.00029	0.0000	mg/L	0.00029	>999.9%
Zn 206.200	654.0	0.0068	mg/L	0.00019	0.0068	mg/L	0.00019	2.78%
Na 330.237	241.8	0.1524	mg/L	0.09184	0.1524	mg/L	0.09184	60.25%
Cd 226.502	0.9	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	874.28%
Ti 334.940	79.9	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	15.02%
Ca 227.546	22.4	0.0442	mg/L	0.00692	0.0442	mg/L	0.00692	15.64%

Sequence No.: 37
Sample ID: D0565-01C,18176
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 5/19/05 1:33:43 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:29 AM,

Mean Data: D0565-01C,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	667.9	-0.0009	mg/L	0.00013	-0.0009	mg/L	0.00013	13.94%
Al 308.215	1171.6	0.0305	mg/L	0.00547	0.0305	mg/L	0.00547	17.92%
As 188.979	-1.4	-0.0009	mg/L	0.00130	-0.0009	mg/L	0.00130	136.76%
Ba 233.527	1639.3	0.0189	mg/L	0.00002	0.0189	mg/L	0.00002	0.10%
Be 313.107	-85.1	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	129.11%
Co 228.616	36.5	0.0008	mg/L	0.00004	0.0008	mg/L	0.00004	4.74%

Cr 267.716	117.3	-0.0001 mg/L	0.00028	-0.0001 mg/L	0.00028	225.51%
Cu 324.752	1574.2	0.0030 mg/L	0.00010	0.0030 mg/L	0.00010	3.18%
Fe 273.955	2990.0	0.1293 mg/L	0.00281	0.1293 mg/L	0.00281	2.17%
Mg 279.077	71499.0	3.8164 mg/L	0.03423	3.8164 mg/L	0.03423	0.90%
Mn 257.610	132967.0	1.1937 mg/L	0.01060	1.1937 mg/L	0.01060	0.89%
Ni 231.604	73.9	0.0010 mg/L	0.00009	0.0010 mg/L	0.00009	8.48%
Pb 220.353	-6.7	-0.0003 mg/L	0.00066	-0.0003 mg/L	0.00066	261.31%
Sb 206.836	8.1	0.0027 mg/L	0.00043	0.0027 mg/L	0.00043	16.00%
Se 196.026	-2.0	-0.0012 mg/L	0.00139	-0.0012 mg/L	0.00139	116.23%
Tl 190.801	-5.4	-0.0008 mg/L	0.00054	-0.0008 mg/L	0.00054	71.50%
V 292.402	3.1	0.0001 mg/L	0.00012	0.0001 mg/L	0.00012	114.68%
Zn 206.200	4087.3	0.0419 mg/L	0.00039	0.0419 mg/L	0.00039	0.92%
Na 330.237	28211.4	17.767 mg/L	0.1089	17.767 mg/L	0.1089	0.61%
Cd 226.502	29.7	0.0001 mg/L	0.00008	0.0001 mg/L	0.00008	68.05%
Ti 334.940	-641.9	-0.0001 mg/L	0.00004	-0.0001 mg/L	0.00004	51.35%
Ca 227.546	10960.1	21.664 mg/L	0.2222	21.664 mg/L	0.2222	1.03%

Sequence No.: 38
Sample ID: D0565-01CSD,18176
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 5/19/05 1:37:48 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:29 AM,

Mean Data: D0565-01CSD,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	125.2	-0.0002	mg/L	0.00002	-0.0002	mg/L	0.00002	9.52%
Al 308.215	1102.0	0.0318	mg/L	0.00112	0.0318	mg/L	0.00112	3.54%
As 188.979	-0.8	-0.0005	mg/L	0.00006	-0.0005	mg/L	0.00006	11.44%
Ba 233.527	335.6	0.0039	mg/L	0.00000	0.0039	mg/L	0.00000	0.05%
Be 313.107	-146.1	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	34.78%
Co 228.616	12.1	0.0003	mg/L	0.00004	0.0003	mg/L	0.00004	15.77%
Cr 267.716	37.0	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	93.86%
Cu 324.752	482.8	0.0010	mg/L	0.00004	0.0010	mg/L	0.00004	4.04%
Fe 273.955	738.7	0.0319	mg/L	0.00152	0.0319	mg/L	0.00152	4.78%
Mg 279.077	14640.4	0.7815	mg/L	0.00350	0.7815	mg/L	0.00350	0.45%
Mn 257.610	27264.4	0.2448	mg/L	0.00006	0.2448	mg/L	0.00006	0.02%
Ni 231.604	20.6	0.0003	mg/L	0.00012	0.0003	mg/L	0.00012	42.83%
Pb 220.353	-0.8	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	>999.9%
Sb 206.836	8.0	0.0026	mg/L	0.00045	0.0026	mg/L	0.00045	17.39%
Se 196.026	2.9	0.0012	mg/L	0.00245	0.0012	mg/L	0.00245	208.40%
Tl 190.801	-2.8	-0.0010	mg/L	0.00139	-0.0010	mg/L	0.00139	146.03%
V 292.402	24.5	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010	83.14%
Zn 206.200	1169.7	0.0120	mg/L	0.00020	0.0120	mg/L	0.00020	1.67%
Na 330.237	5165.2	3.2529	mg/L	0.04360	3.2529	mg/L	0.04360	1.34%
Cd 226.502	15.3	0.0001	mg/L	0.00000	0.0001	mg/L	0.00000	3.01%
Ti 334.940	-80.3	0.0000	mg/L	0.00011	0.0000	mg/L	0.00011	229.17%
Ca 227.546	2163.5	4.2763	mg/L	0.03726	4.2763	mg/L	0.03726	0.87%

Sequence No.: 39
Sample ID: D0539-01E,18176
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 63
Date Collected: 5/19/05 1:41:53 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:30 AM,

Mean Data: D0539-01E,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	513.9	0.0005	mg/L	0.00009	0.0005	mg/L	0.00009	19.85%
Al 308.215	2985.9	0.0509	mg/L	0.00758	0.0509	mg/L	0.00758	14.87%
As 188.979	1.9	0.0005	mg/L	0.00107	0.0005	mg/L	0.00107	197.07%
Ba 233.527	3168.1	0.0354	mg/L	0.00001	0.0354	mg/L	0.00001	0.03%
Be 313.107	-43.5	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	268.62%
Co 228.616	183.9	0.0037	mg/L	0.00002	0.0037	mg/L	0.00002	0.42%
Cr 267.716	664.8	-0.0028	mg/L	0.00011	-0.0028	mg/L	0.00011	3.80%
Cu 324.752	302.3	-0.0064	mg/L	0.00025	-0.0064	mg/L	0.00025	3.99%
Fe 273.955	198159.7	8.5674	mg/L	0.02872	8.5674	mg/L	0.02872	0.34%

Mg 279.077	251173.2	13.525 mg/L	0.0044	13.525 mg/L	0.0044	0.03%
Mn 257.610	1189484.7	10.684 mg/L	0.0736	10.684 mg/L	0.0736	0.69%
Ni 231.604	82.6	0.0004 mg/L	0.00001	0.0004 mg/L	0.00001	3.32%
Pb 220.353	9.6	0.0007 mg/L	0.00089	0.0007 mg/L	0.00089	135.99%
Sb 206.836	45.8	0.0139 mg/L	0.00108	0.0139 mg/L	0.00108	7.80%
Se 196.026	7.3	-0.0017 mg/L	0.00126	-0.0017 mg/L	0.00126	73.32%
Tl 190.801	-26.4	0.0019 mg/L	0.00074	0.0019 mg/L	0.00074	38.41%
V 292.402	-195.1	0.0001 mg/L	0.00009	0.0001 mg/L	0.00009	149.43%
Zn 206.200	2873.1	0.0279 mg/L	0.00056	0.0279 mg/L	0.00056	2.02%
Na 330.237	26139.1	16.481 mg/L	0.1026	16.481 mg/L	0.1026	0.62%
Cd 226.502	131.6	0.0000 mg/L	0.00003	0.0000 mg/L	0.00003	>999.9%
Ti 334.940	-200.7	0.0001 mg/L	0.00004	0.0001 mg/L	0.00004	28.97%
Ca 227.546	5822.0	11.350 mg/L	0.0930	11.350 mg/L	0.0930	0.82%

Sequence No.: 40
Sample ID: D0539-02E,18176
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 64
Date Collected: 5/19/05 1:46:03 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:31 AM,

Mean Data: D0539-02E,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	388.2	0.0002	mg/L	0.00010	0.0002	mg/L	0.00010	54.29%
Al 308.215	1587.5	0.0113	mg/L	0.00066	0.0113	mg/L	0.00066	5.87%
As 188.979	2.0	0.0006	mg/L	0.00020	0.0006	mg/L	0.00020	31.79%
Ba 233.527	2968.2	0.0331	mg/L	0.00005	0.0331	mg/L	0.00005	0.15%
Be 313.107	-247.3	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	1.16%
Co 228.616	188.5	0.0038	mg/L	0.00001	0.0038	mg/L	0.00001	0.17%
Cr 267.716	522.3	-0.0032	mg/L	0.00013	-0.0032	mg/L	0.00013	4.08%
Cu 324.752	139.3	-0.0064	mg/L	0.00010	-0.0064	mg/L	0.00010	1.63%
Fe 273.955	194209.7	8.3966	mg/L	0.08657	8.3966	mg/L	0.08657	1.03%
Mg 279.077	243372.9	13.102	mg/L	0.1090	13.102	mg/L	0.1090	0.83%
Mn 257.610	1134496.8	10.190	mg/L	0.1330	10.190	mg/L	0.1330	1.31%
Ni 231.604	68.0	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	21.90%
Pb 220.353	-0.6	-0.0002	mg/L	0.00080	-0.0002	mg/L	0.00080	389.39%
Sb 206.836	12.0	0.0028	mg/L	0.00053	0.0028	mg/L	0.00053	18.75%
Se 196.026	6.6	-0.0018	mg/L	0.00018	-0.0018	mg/L	0.00018	10.03%
Tl 190.801	-22.6	0.0031	mg/L	0.00088	0.0031	mg/L	0.00088	28.52%
V 292.402	-231.7	-0.0001	mg/L	0.00022	-0.0001	mg/L	0.00022	170.47%
Zn 206.200	2199.4	0.0210	mg/L	0.00040	0.0210	mg/L	0.00040	1.91%
Na 330.237	24720.2	15.586	mg/L	0.2368	15.586	mg/L	0.2368	1.52%
Cd 226.502	137.2	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	49.98%
Ti 334.940	-286.9	0.0000	mg/L	0.00013	0.0000	mg/L	0.00013	>999.9%
Ca 227.546	5552.7	10.822	mg/L	0.0583	10.822	mg/L	0.0583	0.54%

Sequence No.: 41
Sample ID: CCV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/19/05 1:50:13 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:31 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	410745.6	1.2067	mg/L	0.01040	1.2067	mg/L	0.01040	0.86%
Al 308.215	335548.0	9.8907	mg/L	0.08890	9.8907	mg/L	0.08890	0.90%
As 188.979	876.7	0.5146	mg/L	0.00024	0.5146	mg/L	0.00024	0.05%
Ba 233.527	911539.8	10.585	mg/L	0.1224	10.585	mg/L	0.1224	1.16%
Be 313.107	1586918.2	0.2563	mg/L	0.00348	0.2563	mg/L	0.00348	1.36%
Co 228.616	119540.7	2.5630	mg/L	0.02051	2.5630	mg/L	0.02051	0.80%
Cr 267.716	229371.2	1.0147	mg/L	0.00825	1.0147	mg/L	0.00825	0.81%
Cu 324.752	498181.7	1.2687	mg/L	0.00995	1.2687	mg/L	0.00995	0.78%
Fe 273.955	119720.8	5.0257	mg/L	0.03242	5.0257	mg/L	0.03242	0.65%
Mg 279.077	481244.1	25.596	mg/L	0.1462	25.596	mg/L	0.1462	0.57%
Mn 257.610	285893.0	2.5709	mg/L	0.02178	2.5709	mg/L	0.02178	0.85%
Ni 231.604	186802.0	2.5584	mg/L	0.01309	2.5584	mg/L	0.01309	0.51%

Pb 220.353	5983.4	0.5109 mg/L	0.00078	0.5109 mg/L	0.00078	0.15%
Sb 206.836	1680.3	0.5448 mg/L	0.00630	0.5448 mg/L	0.00630	1.16%
Se 196.026	1198.1	0.5142 mg/L	0.00336	0.5142 mg/L	0.00336	0.65%
Tl 190.801	1080.7	0.5130 mg/L	0.00021	0.5130 mg/L	0.00021	0.04%
V 292.402	619336.7	2.5558 mg/L	0.03777	2.5558 mg/L	0.03777	1.48%
Zn 206.200	249495.3	2.5847 mg/L	0.01448	2.5847 mg/L	0.01448	0.56%
Na 330.237	38645.6	24.361 mg/L	0.3395	24.361 mg/L	0.3395	1.39%
Cd 226.502	58362.4	0.2534 mg/L	0.00191	0.2534 mg/L	0.00191	0.75%
Ti 334.940	-162.5	0.0006 mg/L	0.00010	0.0006 mg/L	0.00010	16.15%
Ca 227.546	12949.9	25.328 mg/L	0.0858	25.328 mg/L	0.0858	0.34%

Sequence No.: 42 **Autosampler Location: 4**
Sample ID: CCB **Date Collected: 5/19/05 1:54:25 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 5/20/05 9:16:32 AM,**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	245.9	0.0007	mg/L	0.00022	0.0007	mg/L	0.00022	30.95%
Al 308.215	825.6	0.0244	mg/L	0.00568	0.0244	mg/L	0.00568	23.22%
As 188.979	0.3	0.0002	mg/L	0.00111	0.0002	mg/L	0.00111	563.98%
Ba 233.527	74.6	0.0009	mg/L	0.00024	0.0009	mg/L	0.00024	27.40%
Be 313.107	46.3	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	315.15%
Co 228.616	19.6	0.0004	mg/L	0.00023	0.0004	mg/L	0.00023	55.08%
Cr 267.716	46.7	0.0002	mg/L	0.00014	0.0002	mg/L	0.00014	67.16%
Cu 324.752	1460.0	0.0037	mg/L	0.00055	0.0037	mg/L	0.00055	14.83%
Fe 273.955	82.2	0.0035	mg/L	0.00066	0.0035	mg/L	0.00066	18.58%
Mg 279.077	119.5	0.0064	mg/L	0.00211	0.0064	mg/L	0.00211	33.17%
Mn 257.610	74.7	0.0007	mg/L	0.00004	0.0007	mg/L	0.00004	5.63%
Ni 231.604	32.3	0.0004	mg/L	0.00014	0.0004	mg/L	0.00014	30.72%
Pb 220.353	3.7	0.0003	mg/L	0.00045	0.0003	mg/L	0.00045	140.69%
Sb 206.836	21.2	0.0069	mg/L	0.00193	0.0069	mg/L	0.00193	27.85%
Se 196.026	-0.2	-0.0001	mg/L	0.00045	-0.0001	mg/L	0.00045	516.29%
Tl 190.801	2.8	0.0013	mg/L	0.00087	0.0013	mg/L	0.00087	64.77%
V 292.402	111.2	0.0005	mg/L	0.00001	0.0005	mg/L	0.00001	1.35%
Zn 206.200	512.7	0.0053	mg/L	0.00077	0.0053	mg/L	0.00077	14.51%
Na 330.237	-80.7	-0.0508	mg/L	0.04096	-0.0508	mg/L	0.04096	80.59%
Cd 226.502	4.8	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	13.62%
Ti 334.940	18.9	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	185.25%
Ca 227.546	15.1	0.0298	mg/L	0.01422	0.0298	mg/L	0.01422	47.71%

Sequence No.: 43 **Autosampler Location: 57**
Sample ID: MB-18176,18176 **Date Collected: 5/19/05 1:58:32 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 5/20/05 9:16:33 AM,**

Mean Data: MB-18176,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	574.7	0.0017	mg/L	0.00010	0.0017	mg/L	0.00010	6.22%
Al 308.215	893.1	0.0264	mg/L	0.00134	0.0264	mg/L	0.00134	5.08%
As 188.979	-0.5	-0.0003	mg/L	0.00074	-0.0003	mg/L	0.00074	272.49%
Ba 233.527	102.6	0.0012	mg/L	0.00014	0.0012	mg/L	0.00014	11.75%
Be 313.107	-141.6	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	68.20%
Co 228.616	28.7	0.0006	mg/L	0.00004	0.0006	mg/L	0.00004	7.04%
Cr 267.716	23.6	0.0001	mg/L	0.00016	0.0001	mg/L	0.00016	157.98%
Cu 324.752	1758.4	0.0045	mg/L	0.00087	0.0045	mg/L	0.00087	19.40%
Fe 273.955	352.5	0.0153	mg/L	0.00112	0.0153	mg/L	0.00112	7.34%
Mg 279.077	351.5	0.0187	mg/L	0.00187	0.0187	mg/L	0.00187	10.01%
Mn 257.610	185.1	0.0017	mg/L	0.00097	0.0017	mg/L	0.00097	58.19%
Ni 231.604	67.9	0.0009	mg/L	0.00013	0.0009	mg/L	0.00013	13.58%
Pb 220.353	0.4	0.0000	mg/L	0.00045	0.0000	mg/L	0.00045	994.45%
Sb 206.836	9.9	0.0032	mg/L	0.00106	0.0032	mg/L	0.00106	32.64%
Se 196.026	-2.3	-0.0010	mg/L	0.00245	-0.0010	mg/L	0.00245	253.24%

Tl 190.801	3.5	0.0017 mg/L	0.00027	0.0017 mg/L	0.00027	16.17%
V 292.402	-37.6	-0.0002 mg/L	0.00032	-0.0002 mg/L	0.00032	209.50%
Zn 206.200	1799.5	0.0186 mg/L	0.00026	0.0186 mg/L	0.00026	1.37%
Na 330.237	112.4	0.0710 mg/L	0.11097	0.0710 mg/L	0.11097	156.33%
Cd 226.502	3.2	0.0000 mg/L	0.00003	0.0000 mg/L	0.00003	232.46%
Ti 334.940	198.3	0.0003 mg/L	0.00001	0.0003 mg/L	0.00001	3.20%
Ca 227.546	88.5	0.1747 mg/L	0.02468	0.1747 mg/L	0.02468	14.13%

Sequence No.: 44
Sample ID: LCS-18176,18176
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 5/19/05 2:02:34 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:34 AM,

Mean Data: LCS-18176,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	395257.5	1.1612	mg/L	0.00571	1.1612	mg/L	0.00571	0.49%
Al 308.215	308548.1	9.0945	mg/L	0.05923	9.0945	mg/L	0.05923	0.65%
As 188.979	819.0	0.4807	mg/L	0.00137	0.4807	mg/L	0.00137	0.28%
Ba 233.527	839371.8	9.7467	mg/L	0.02439	9.7467	mg/L	0.02439	0.25%
Be 313.107	1477800.8	0.2387	mg/L	0.00096	0.2387	mg/L	0.00096	0.40%
Co 228.616	109751.6	2.3531	mg/L	0.01118	2.3531	mg/L	0.01118	0.48%
Cr 267.716	208026.2	0.9203	mg/L	0.00627	0.9203	mg/L	0.00627	0.68%
Cu 324.752	465660.2	1.1859	mg/L	0.00768	1.1859	mg/L	0.00768	0.65%
Fe 273.955	108750.8	4.5621	mg/L	0.02586	4.5621	mg/L	0.02586	0.57%
Mg 279.077	443489.9	23.588	mg/L	0.0869	23.588	mg/L	0.0869	0.37%
Mn 257.610	262734.0	2.3626	mg/L	0.01274	2.3626	mg/L	0.01274	0.54%
Ni 231.604	171248.0	2.3454	mg/L	0.00448	2.3454	mg/L	0.00448	0.19%
Pb 220.353	5623.2	0.4801	mg/L	0.00049	0.4801	mg/L	0.00049	0.10%
Sb 206.836	1755.5	0.5699	mg/L	0.00153	0.5699	mg/L	0.00153	0.27%
Se 196.026	1126.6	0.4835	mg/L	0.00050	0.4835	mg/L	0.00050	0.10%
Tl 190.801	1008.9	0.4789	mg/L	0.00193	0.4789	mg/L	0.00193	0.40%
V 292.402	575087.8	2.3732	mg/L	0.00751	2.3732	mg/L	0.00751	0.32%
Zn 206.200	231405.3	2.3973	mg/L	0.00589	2.3973	mg/L	0.00589	0.25%
Na 330.237	35507.1	22.382	mg/L	0.0047	22.382	mg/L	0.0047	0.02%
Cd 226.502	54531.5	0.2368	mg/L	0.00126	0.2368	mg/L	0.00126	0.53%
Ti 334.940	-511.0	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	9.68%
Ca 227.546	11955.3	23.384	mg/L	0.0374	23.384	mg/L	0.0374	0.16%

Sequence No.: 45
Sample ID: D0539-04E,18176
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 65
Date Collected: 5/19/05 2:06:44 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:34 AM,

Mean Data: D0539-04E,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	545.1	0.0016	mg/L	0.00026	0.0016	mg/L	0.00026	16.55%
Al 308.215	1316.5	0.0390	mg/L	0.00254	0.0390	mg/L	0.00254	6.50%
As 188.979	2.5	0.0014	mg/L	0.00000	0.0014	mg/L	0.00000	0.27%
Ba 233.527	251.3	0.0029	mg/L	0.00041	0.0029	mg/L	0.00041	13.93%
Be 313.107	77.2	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	37.20%
Co 228.616	37.4	0.0008	mg/L	0.00019	0.0008	mg/L	0.00019	23.75%
Cr 267.716	100.5	0.0004	mg/L	0.00015	0.0004	mg/L	0.00015	34.84%
Cu 324.752	3033.0	0.0077	mg/L	0.00243	0.0077	mg/L	0.00243	31.40%
Fe 273.955	400.1	0.0173	mg/L	0.00052	0.0173	mg/L	0.00052	3.00%
Mg 279.077	220.6	0.0117	mg/L	0.00611	0.0117	mg/L	0.00611	52.08%
Mn 257.610	86.3	0.0008	mg/L	0.00008	0.0008	mg/L	0.00008	10.68%
Ni 231.604	86.1	0.0012	mg/L	0.00008	0.0012	mg/L	0.00008	7.14%
Pb 220.353	-1.2	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	53.34%
Sb 206.836	5.9	0.0019	mg/L	0.00145	0.0019	mg/L	0.00145	75.83%
Se 196.026	2.3	0.0010	mg/L	0.00055	0.0010	mg/L	0.00055	54.08%
Tl 190.801	4.1	0.0019	mg/L	0.00186	0.0019	mg/L	0.00186	96.03%
V 292.402	97.6	0.0004	mg/L	0.00003	0.0004	mg/L	0.00003	7.51%
Zn 206.200	2529.8	0.0262	mg/L	0.00104	0.0262	mg/L	0.00104	3.97%

Na 330.237	104.7	0.0660 mg/L	0.07159	0.0660 mg/L	0.07159	108.48%
Cd 226.502	8.6	0.0000 mg/L	0.00001	0.0000 mg/L	0.00001	34.97%
Ti 334.940	78.1	0.0001 mg/L	0.00007	0.0001 mg/L	0.00007	65.26%
Ca 227.546	128.6	0.2539 mg/L	0.02544	0.2539 mg/L	0.02544	10.02%

Sequence No.: 46
Sample ID: D0539-05E,18176
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 66
Date Collected: 5/19/05 2:10:49 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:35 AM,

Mean Data: D0539-05E,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	446.3	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	90.40%
Al 308.215	2162.5	0.0640	mg/L	0.00364	0.0640	mg/L	0.00364	5.68%
As 188.979	-0.9	-0.0005	mg/L	0.00035	-0.0005	mg/L	0.00035	63.45%
Ba 233.527	3261.9	0.0378	mg/L	0.00007	0.0378	mg/L	0.00007	0.19%
Be 313.107	-84.2	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	7.33%
Co 228.616	31.9	0.0007	mg/L	0.00013	0.0007	mg/L	0.00013	19.13%
Cr 267.716	479.7	0.0021	mg/L	0.00014	0.0021	mg/L	0.00014	6.74%
Cu 324.752	1585.7	0.0040	mg/L	0.00069	0.0040	mg/L	0.00069	17.13%
Fe 273.955	1132.9	0.0490	mg/L	0.00007	0.0490	mg/L	0.00007	0.14%
Mg 279.077	20884.0	1.1086	mg/L	0.00044	1.1086	mg/L	0.00044	0.04%
Mn 257.610	317.7	0.0028	mg/L	0.00008	0.0028	mg/L	0.00008	2.69%
Ni 231.604	227.6	0.0031	mg/L	0.00001	0.0031	mg/L	0.00001	0.30%
Pb 220.353	4.5	0.0006	mg/L	0.00056	0.0006	mg/L	0.00056	99.95%
Sb 206.836	1.0	0.0003	mg/L	0.00069	0.0003	mg/L	0.00069	216.29%
Se 196.026	1.9	0.0010	mg/L	0.00261	0.0010	mg/L	0.00261	262.88%
Tl 190.801	-0.1	0.0001	mg/L	0.00016	0.0001	mg/L	0.00016	297.73%
V 292.402	70.3	0.0003	mg/L	0.00035	0.0003	mg/L	0.00035	116.27%
Zn 206.200	4098.6	0.0424	mg/L	0.00045	0.0424	mg/L	0.00045	1.06%
Na 330.237	10166.2	6.4018	mg/L	0.08039	6.4018	mg/L	0.08039	1.26%
Cd 226.502	8.8	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	105.81%
Ti 334.940	110.9	0.0005	mg/L	0.00024	0.0005	mg/L	0.00024	47.81%
Ca 227.546	4898.6	9.6850	mg/L	0.02083	9.6850	mg/L	0.02083	0.22%

Sequence No.: 47
Sample ID: D0539-06E,18176
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 67
Date Collected: 5/19/05 2:14:56 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:36 AM,

Mean Data: D0539-06E,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	370.6	-0.0018	mg/L	0.00017	-0.0018	mg/L	0.00017	9.34%
Al 308.215	1617.9	0.0479	mg/L	0.00038	0.0479	mg/L	0.00038	0.80%
As 188.979	-0.2	-0.0004	mg/L	0.00038	-0.0004	mg/L	0.00038	104.15%
Ba 233.527	3529.2	0.0407	mg/L	0.00003	0.0407	mg/L	0.00003	0.08%
Be 313.107	-37.3	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	19.83%
Co 228.616	31.2	0.0007	mg/L	0.00011	0.0007	mg/L	0.00011	16.58%
Cr 267.716	208.7	0.0009	mg/L	0.00015	0.0009	mg/L	0.00015	16.61%
Cu 324.752	2262.9	0.0056	mg/L	0.00001	0.0056	mg/L	0.00001	0.26%
Fe 273.955	857.1	0.0371	mg/L	0.00064	0.0371	mg/L	0.00064	1.72%
Mg 279.077	417135.7	22.142	mg/L	0.2008	22.142	mg/L	0.2008	0.91%
Mn 257.610	884.7	0.0077	mg/L	0.00005	0.0077	mg/L	0.00005	0.67%
Ni 231.604	324.1	0.0044	mg/L	0.00002	0.0044	mg/L	0.00002	0.42%
Pb 220.353	-18.0	-0.0011	mg/L	0.00075	-0.0011	mg/L	0.00075	70.75%
Sb 206.836	7.1	0.0022	mg/L	0.00013	0.0022	mg/L	0.00013	5.64%
Se 196.026	6.5	0.0035	mg/L	0.00084	0.0035	mg/L	0.00084	24.17%
Tl 190.801	0.9	0.0006	mg/L	0.00129	0.0006	mg/L	0.00129	210.60%
V 292.402	-68.8	-0.0002	mg/L	0.00015	-0.0002	mg/L	0.00015	69.77%
Zn 206.200	3699.4	0.0374	mg/L	0.00047	0.0374	mg/L	0.00047	1.27%
Na 330.237	11617.0	7.3043	mg/L	0.03135	7.3043	mg/L	0.03135	0.43%
Cd 226.502	30.5	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	18.60%
Ti 334.940	-367.7	0.0006	mg/L	0.00003	0.0006	mg/L	0.00003	5.64%

Ca 227.546	14745.6	29.155 mg/L	0.5701	29.155 mg/L	0.5701	1.96%

Sequence No.: 48 **Autosampler Location: 68**
Sample ID: D0539-06EDUP,18176 **Date Collected: 5/19/05 2:19:03 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 5/20/05 9:16:37 AM,**

Mean Data: D0539-06EDUP,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	426.0	-0.0016	mg/L	0.00017	-0.0016	mg/L	0.00017	10.73%
Al 308.215	1501.3	0.0444	mg/L	0.00113	0.0444	mg/L	0.00113	2.54%
As 188.979	0.3	-0.0001	mg/L	0.00026	-0.0001	mg/L	0.00026	332.86%
Ba 233.527	3474.3	0.0401	mg/L	0.00037	0.0401	mg/L	0.00037	0.92%
Be 313.107	6.5	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	57.24%
Co 228.616	35.5	0.0008	mg/L	0.00014	0.0008	mg/L	0.00014	18.98%
Cr 267.716	262.7	0.0012	mg/L	0.00009	0.0012	mg/L	0.00009	7.48%
Cu 324.752	2053.1	0.0050	mg/L	0.00029	0.0050	mg/L	0.00029	5.70%
Fe 273.955	847.0	0.0366	mg/L	0.00018	0.0366	mg/L	0.00018	0.48%
Mg 279.077	414602.5	22.007	mg/L	0.0605	22.007	mg/L	0.0605	0.27%
Mn 257.610	888.5	0.0077	mg/L	0.00022	0.0077	mg/L	0.00022	2.85%
Ni 231.604	330.4	0.0045	mg/L	0.00000	0.0045	mg/L	0.00000	0.09%
Pb 220.353	-17.7	-0.0010	mg/L	0.00008	-0.0010	mg/L	0.00008	7.32%
Sb 206.836	5.7	0.0017	mg/L	0.00019	0.0017	mg/L	0.00019	10.69%
Se 196.026	5.1	0.0029	mg/L	0.00113	0.0029	mg/L	0.00113	39.28%
Tl 190.801	-5.3	-0.0023	mg/L	0.00008	-0.0023	mg/L	0.00008	3.59%
V 292.402	-41.8	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	92.29%
Zn 206.200	3410.3	0.0344	mg/L	0.00048	0.0344	mg/L	0.00048	1.39%
Na 330.237	11637.6	7.3174	mg/L	0.13520	7.3174	mg/L	0.13520	1.85%
Cd 226.502	28.8	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	32.99%
Ti 334.940	-308.1	0.0006	mg/L	0.00006	0.0006	mg/L	0.00006	8.88%
Ca 227.546	14640.3	28.947	mg/L	0.1077	28.947	mg/L	0.1077	0.37%

Sequence No.: 49 **Autosampler Location: 69**
Sample ID: D0539-06EMS,18176 **Date Collected: 5/19/05 2:23:11 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 5/20/05 9:16:37 AM,**

Mean Data: D0539-06EMS,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	18235.3	0.0513	mg/L	0.00029	0.0513	mg/L	0.00029	0.56%
Al 308.215	73226.7	2.1587	mg/L	0.02269	2.1587	mg/L	0.02269	1.05%
As 188.979	73.5	0.0435	mg/L	0.00122	0.0435	mg/L	0.00122	2.81%
Ba 233.527	198703.9	2.3071	mg/L	0.01964	2.3071	mg/L	0.01964	0.85%
Be 313.107	333632.7	0.0539	mg/L	0.00031	0.0539	mg/L	0.00031	0.58%
Co 228.616	24874.6	0.5333	mg/L	0.00362	0.5333	mg/L	0.00362	0.68%
Cr 267.716	48515.9	0.2146	mg/L	0.00091	0.2146	mg/L	0.00091	0.42%
Cu 324.752	102582.5	0.2611	mg/L	0.00610	0.2611	mg/L	0.00610	2.34%
Fe 273.955	25716.3	1.0800	mg/L✓	0.00982	1.0800	mg/L	0.00982	0.91%
Mg 279.077	422412.1	22.433	mg/L	0.1724	22.433	mg/L	0.1724	0.77%
Mn 257.610	62838.9	0.5648	mg/L	0.00543	0.5648	mg/L	0.00543	0.96%
Ni 231.604	38931.1	0.5332	mg/L	0.00683	0.5332	mg/L	0.00683	1.28%
Pb 220.353	225.4	0.0204	mg/L	0.00007	0.0204	mg/L	0.00007	0.36%
Sb 206.836	412.9	0.1340	mg/L	0.00086	0.1340	mg/L	0.00086	0.64%
Se 196.026	34.5	0.0154	mg/L	0.00087	0.0154	mg/L	0.00087	5.62%
Tl 190.801	111.8	0.0530	mg/L	0.00033	0.0530	mg/L	0.00033	0.61%
V 292.402	130882.0	0.5402	mg/L	0.00336	0.5402	mg/L	0.00336	0.62%
Zn 206.200	55218.3	0.5714	mg/L	0.00575	0.5714	mg/L	0.00575	1.01%
Na 330.237	13606.6	8.5620	mg/L	0.03271	8.5620	mg/L	0.03271	0.38%
Cd 226.502	1229.5	0.0054	mg/L	0.00005	0.0054	mg/L	0.00005	0.92%
Ti 334.940	-211.4	0.0008	mg/L	0.00024	0.0008	mg/L	0.00024	31.77%
Ca 227.546	14954.7	29.511	mg/L	0.5829	29.511	mg/L	0.5829	1.98%

Sequence No.: 50
Sample ID: CRI
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/19/05 2:27:21 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:38 AM,

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	7222.2	0.0213	mg/L	0.00035	0.0213	mg/L	0.00035	1.66%
Al 308.215	729.6	0.0199	mg/L	0.00151	0.0199	mg/L	0.00151	7.57%
As 188.979	34.5	0.0202	mg/L	0.00058	0.0202	mg/L	0.00058	2.87%
Ba 233.527	53.1	0.0006	mg/L	0.00011	0.0006	mg/L	0.00011	19.17%
Be 313.107	62813.5	0.0101	mg/L	0.00003	0.0101	mg/L	0.00003	0.27%
Co 228.616	5011.4	0.1075	mg/L	0.00071	0.1075	mg/L	0.00071	0.66%
Cr 267.716	4683.8	0.0207	mg/L	0.00016	0.0207	mg/L	0.00016	0.79%
Cu 324.752	20922.7	0.0533	mg/L	0.00049	0.0533	mg/L	0.00049	0.92%
Fe 273.955	246.8	0.0046	mg/L	0.00044	0.0046	mg/L	0.00044	9.71%
Mg 279.077	192.7	0.0110	mg/L	0.00398	0.0110	mg/L	0.00398	36.21%
Mn 257.610	3605.7	0.0324	mg/L	0.00022	0.0324	mg/L	0.00022	0.68%
Ni 231.604	6353.1	0.0870	mg/L	0.00014	0.0870	mg/L	0.00014	0.16%
Pb 220.353	69.2	0.0059	mg/L	0.00019	0.0059	mg/L	0.00019	3.14%
Sb 206.836	328.4	0.1075	mg/L	0.00956	0.1075	mg/L	0.00956	8.90%
Se 196.026	32.8	0.0140	mg/L	0.00049	0.0140	mg/L	0.00049	3.50%
Tl 190.801	46.3	0.0219	mg/L	0.00021	0.0219	mg/L	0.00021	0.96%
V 292.402	25074.8	0.1034	mg/L	0.00024	0.1034	mg/L	0.00024	0.23%
Zn 206.200	4901.7	0.0508	mg/L	0.00069	0.0508	mg/L	0.00069	1.36%
Na 330.237	141.5	0.0897	mg/L	0.13435	0.0897	mg/L	0.13435	149.77%
Cd 226.502	2442.6	0.0106	mg/L	0.00003	0.0106	mg/L	0.00003	0.24%
Ti 334.940	-27.9	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010	254.63%
Ca 227.546	31.7	0.0547	mg/L	0.01354	0.0547	mg/L	0.01354	24.75%

Sequence No.: 51
Sample ID: ICSA
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/19/05 2:31:30 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:39 AM,

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-4950.7	0.0024	mg/L	0.00053	0.0024	mg/L	0.00053	22.50%
Al 308.215	15900057.0	470.91	mg/L	3.780	470.91	mg/L	3.780	0.80%
As 188.979	48.2	0.0020	mg/L	0.00059	0.0020	mg/L	0.00059	29.40%
Ba 233.527	2378.6	-0.0043	mg/L	0.00005	-0.0043	mg/L	0.00005	1.20%
Be 313.107	-385.9	-0.0001	mg/L	0.00000	-0.0001	mg/L	0.00000	1.91%
Co 228.616	131.8	-0.0014	mg/L	0.00005	-0.0014	mg/L	0.00005	3.49%
Cr 267.716	236.0	0.0011	mg/L	0.00001	0.0011	mg/L	0.00001	1.05%
Cu 324.752	-6258.6	-0.0041	mg/L	0.00036	-0.0041	mg/L	0.00036	8.80%
Fe 273.955	3898026.2	168.53	mg/L	0.713	168.53	mg/L	0.713	0.42%
Mg 279.077	8597095.5	456.39	mg/L	2.364	456.39	mg/L	2.364	0.52%
Mn 257.610	-13345.5	0.0104	mg/L	0.00073	0.0104	mg/L	0.00073	6.95%
Ni 231.604	272.2	-0.0112	mg/L	0.00008	-0.0112	mg/L	0.00008	0.72%
Pb 220.353	-1352.3	-0.0007	mg/L	0.00083	-0.0007	mg/L	0.00083	113.01%
Sb 206.836	412.8	0.0308	mg/L	0.00106	0.0308	mg/L	0.00106	3.44%
Se 196.026	-249.7	-0.0019	mg/L	0.00166	-0.0019	mg/L	0.00166	85.40%
Tl 190.801	54.4	-0.0011	mg/L	0.00266	-0.0011	mg/L	0.00266	249.58%
V 292.402	-815.8	-0.0002	mg/L	0.00027	-0.0002	mg/L	0.00027	170.59%
Zn 206.200	1918.0	-0.0035	mg/L	0.00010	-0.0035	mg/L	0.00010	2.95%
Na 330.237	-460.4	-0.4720	mg/L	0.15837	-0.4720	mg/L	0.15837	33.55%
Cd 226.502	3051.6	0.0037	mg/L	0.00028	0.0037	mg/L	0.00028	7.50%
Ti 334.940	-15456.5	-0.0033	mg/L	0.00000	-0.0033	mg/L	0.00000	0.09%
Ca 227.546	244411.1	481.34	mg/L	0.549	481.34	mg/L	0.549	0.11%

Sequence No.: 52
Sample ID: ICSAB
Analyst:

Autosampler Location: 6
Date Collected: 5/19/05 2:35:45 PM

Sample Wt:
Dilution:

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:39 AM,

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	63636.7	0.2042	mg/L	0.00157	0.2042	mg/L	0.00157	0.77%
Al 308.215	16065358.0	475.80	mg/L	2.403	475.80	mg/L	2.403	0.50%
As 188.979	207.9	0.0970	mg/L	0.00085	0.0970	mg/L	0.00085	0.88%
Ba 233.527	44088.9	0.4795	mg/L	0.00008	0.4795	mg/L	0.00008	0.02%
Be 313.107	2857386.2	0.4615	mg/L	0.00149	0.4615	mg/L	0.00149	0.32%
Co 228.616	20963.5	0.4452	mg/L	0.00349	0.4452	mg/L	0.00349	0.78%
Cr 267.716	103326.6	0.4575	mg/L	0.00170	0.4575	mg/L	0.00170	0.37%
Cu 324.752	181030.6	0.4732	mg/L	0.00209	0.4732	mg/L	0.00209	0.44%
Fe 273.955	3937004.5	170.19	mg/L	0.589	170.19	mg/L	0.589	0.35%
Mg 279.077	8693060.7	461.49	mg/L	1.919	461.49	mg/L	1.919	0.42%
Mn 257.610	39120.1	0.4831	mg/L	0.00282	0.4831	mg/L	0.00282	0.58%
Ni 231.604	64705.8	0.8714	mg/L	0.00472	0.8714	mg/L	0.00472	0.54%
Pb 220.353	-855.0	0.0432	mg/L	0.00011	0.0432	mg/L	0.00011	0.25%
Sb 206.836	2493.9	0.7084	mg/L	0.00286	0.7084	mg/L	0.00286	0.40%
Se 196.026	-145.3	0.0434	mg/L	0.00317	0.0434	mg/L	0.00317	7.29%
Tl 190.801	240.0	0.0868	mg/L	0.00012	0.0868	mg/L	0.00012	0.13%
V 292.402	112292.3	0.4671	mg/L	0.00264	0.4671	mg/L	0.00264	0.57%
Zn 206.200	85240.3	0.8602	mg/L	0.00274	0.8602	mg/L	0.00274	0.32%
Na 330.237	2456.8	1.3704	mg/L	0.04254	1.3704	mg/L	0.04254	3.10%
Cd 226.502	203148.8	0.8717	mg/L	0.00183	0.8717	mg/L	0.00183	0.21%
Ti 334.940	-15569.9	-0.0034	mg/L	0.00003	-0.0034	mg/L	0.00003	0.80%
Ca 227.546	246594.9	485.59	mg/L	2.752	485.59	mg/L	2.752	0.57%

Sequence No.: 53
Sample ID: CCV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/19/05 2:40:05 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:40 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	409216.3	1.2022	mg/L	0.00990	1.2022	mg/L	0.00990	0.82%
Al 308.215	331932.3	9.7843	mg/L	0.12242	9.7843	mg/L	0.12242	1.25%
As 188.979	880.0	0.5165	mg/L	0.00085	0.5165	mg/L	0.00085	0.16%
Ba 233.527	897839.2	10.426	mg/L	0.1568	10.426	mg/L	0.1568	1.50%
Be 313.107	1566675.6	0.2530	mg/L	0.00419	0.2530	mg/L	0.00419	1.66%
Co 228.616	118198.4	2.5342	mg/L	0.01963	2.5342	mg/L	0.01963	0.77%
Cr 267.716	226412.6	1.0016	mg/L	0.00403	1.0016	mg/L	0.00403	0.40%
Cu 324.752	495559.4	1.2621	mg/L	0.02286	1.2621	mg/L	0.02286	1.81%
Fe 273.955	118654.8	4.9816	mg/L	0.05389	4.9816	mg/L	0.05389	1.08%
Mg 279.077	479714.4	25.514	mg/L	0.2068	25.514	mg/L	0.2068	0.81%
Mn 257.610	282705.2	2.5422	mg/L	0.01893	2.5422	mg/L	0.01893	0.74%
Ni 231.604	185133.5	2.5356	mg/L	0.02191	2.5356	mg/L	0.02191	0.86%
Pb 220.353	5921.2	0.5056	mg/L	0.00044	0.5056	mg/L	0.00044	0.09%
Sb 206.836	1682.6	0.5456	mg/L	0.00750	0.5456	mg/L	0.00750	1.38%
Se 196.026	1188.8	0.5102	mg/L	0.00624	0.5102	mg/L	0.00624	1.22%
Tl 190.801	1065.8	0.5059	mg/L	0.00021	0.5059	mg/L	0.00021	0.04%
V 292.402	610875.6	2.5209	mg/L	0.04566	2.5209	mg/L	0.04566	1.81%
Zn 206.200	247936.1	2.5686	mg/L	0.00902	2.5686	mg/L	0.00902	0.35%
Na 330.237	37924.7	23.906	mg/L	0.0904	23.906	mg/L	0.0904	0.38%
Cd 226.502	57706.9	0.2506	mg/L	0.00166	0.2506	mg/L	0.00166	0.66%
Ti 334.940	-84.6	0.0007	mg/L	0.00001	0.0007	mg/L	0.00001	1.14%
Ca 227.546	12835.8	25.106	mg/L	0.0104	25.106	mg/L	0.0104	0.04%

Sequence No.: 54
Sample ID: CCB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/19/05 2:44:20 PM

Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:41 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	179.3	0.0005	mg/L	0.00058	0.0005	mg/L	0.00058	110.46%
Al 308.215	980.7	0.0290	mg/L	0.00296	0.0290	mg/L	0.00296	10.18%
As 188.979	-0.6	-0.0004	mg/L	0.00046	-0.0004	mg/L	0.00046	127.71%
Ba 233.527	81.7	0.0009	mg/L	0.00010	0.0009	mg/L	0.00010	10.44%
Be 313.107	94.1	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	219.83%
Co 228.616	32.4	0.0007	mg/L	0.00013	0.0007	mg/L	0.00013	19.27%
Cr 267.716	53.6	0.0002	mg/L	0.00019	0.0002	mg/L	0.00019	80.71%
Cu 324.752	1987.1	0.0051	mg/L	0.00056	0.0051	mg/L	0.00056	11.10%
Fe 273.955	144.5	0.0062	mg/L	0.00084	0.0062	mg/L	0.00084	13.52%
Mg 279.077	1732.1	0.0919	mg/L	0.00852	0.0919	mg/L	0.00852	9.27%
Mn 257.610	9.5	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	32.86%
Ni 231.604	61.4	0.0008	mg/L	0.00011	0.0008	mg/L	0.00011	13.28%
Pb 220.353	-3.8	-0.0003	mg/L	0.00005	-0.0003	mg/L	0.00005	17.04%
Sb 206.836	23.4	0.0076	mg/L	0.00247	0.0076	mg/L	0.00247	32.31%
Se 196.026	4.8	0.0020	mg/L	0.00064	0.0020	mg/L	0.00064	31.15%
Tl 190.801	0.6	0.0003	mg/L	0.00021	0.0003	mg/L	0.00021	73.20%
V 292.402	82.3	0.0003	mg/L	0.00018	0.0003	mg/L	0.00018	52.33%
Zn 206.200	472.1	0.0049	mg/L	0.00067	0.0049	mg/L	0.00067	13.77%
Na 330.237	-203.3	-0.1281	mg/L	0.12067	-0.1281	mg/L	0.12067	94.19%
Cd 226.502	11.7	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	24.20%
Ti 334.940	10.2	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	304.76%
Ca 227.546	21.4	0.0420	mg/L	0.04099	0.0420	mg/L	0.04099	97.47%

Sequence No.: 55
Sample ID: D0539-06ESD,18176
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 5/19/05 2:48:27 PM
Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:41 AM,

Mean Data: D0539-06ESD,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	1186.8	0.0351	mg/L	0.00305	0.0351	mg/L	0.00305	8.68%
Cr 267.716	48.6	0.0002	mg/L	0.00011	0.0002	mg/L	0.00011	51.13%
Cu 324.752	1575.8	0.0040	mg/L	0.00026	0.0040	mg/L	0.00026	6.66%
Fe 273.955	207.6	0.0090	mg/L	0.00014	0.0090	mg/L	0.00014	1.53%
Mg 279.077	91320.7	4.8473	mg/L	0.02953	4.8473	mg/L	0.02953	0.61%
Mn 257.610	173.8	0.0015	mg/L	0.00004	0.0015	mg/L	0.00004	2.51%
Ni 231.604	100.4	0.0014	mg/L	0.00005	0.0014	mg/L	0.00005	3.47%
Tl 190.801	-4.0	-0.0019	mg/L	0.00141	-0.0019	mg/L	0.00141	75.06%
V 292.402	10.9	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	78.28%
Ti 334.940	-126.2	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	16.66%
Ca 227.546	3017.0	5.9652	mg/L	0.05040	5.9652	mg/L	0.05040	0.84%

Sequence No.: 56
Sample ID: D0539-06EPDS,18176
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 71
Date Collected: 5/19/05 2:52:35 PM
Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:42 AM,

Mean Data: D0539-06EPDS,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	2773.0	0.0804	mg/L	0.00270	0.0804	mg/L	0.00270	3.36%
Cr 267.716	5016.3	0.0222	mg/L	0.00071	0.0222	mg/L	0.00071	3.18%
Cu 324.752	23515.6	0.0598	mg/L	0.00069	0.0598	mg/L	0.00069	1.15%
Fe 273.955	1172.3	0.0445	mg/L	0.00095	0.0445	mg/L	0.00095	2.13%
Mg 279.077	419469.5	22.266	mg/L	0.3194	22.266	mg/L	0.3194	1.43%
Mn 257.610	4454.9	0.0397	mg/L	0.00009	0.0397	mg/L	0.00009	0.24%
Ni 231.604	6357.5	0.0871	mg/L	0.00130	0.0871	mg/L	0.00130	1.50%
Tl 190.801	41.8	0.0199	mg/L	0.00067	0.0199	mg/L	0.00067	3.36%
V 292.402	25509.8	0.1053	mg/L	0.00155	0.1053	mg/L	0.00155	1.47%
Ti 334.940	-299.4	0.0006	mg/L	0.00022	0.0006	mg/L	0.00022	33.25%

Ca 227.546	14690.7	29.039 mg/L	0.6401	29.039 mg/L	0.6401	2.20%

Sequence No.: 57
Sample ID: D0539-07E,18176
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 72
Date Collected: 5/19/05 2:56:36 PM
Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:42 AM,

Mean Data: D0539-07E,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	1570.0	0.0169	mg/L	0.00000	0.0169	mg/L	0.00000	0.03%
Cr 267.716	519.3	-0.0023	mg/L	0.00002	-0.0023	mg/L	0.00002	1.02%
Cu 324.752	-275.8	-0.0028	mg/L	0.00038	-0.0028	mg/L	0.00038	13.55%
Fe 273.955	987807.5	42.708	mg/L	0.0558	42.708	mg/L	0.0558	0.13%
Mg 279.077	512308.5	27.357	mg/L	0.0997	27.357	mg/L	0.0997	0.36%
Mn 257.610	941495.6	8.4759	mg/L	0.01969	8.4759	mg/L	0.01969	0.23%
Ni 231.604	1424.5	0.0157	mg/L	0.00009	0.0157	mg/L	0.00009	0.57%
Tl 190.801	-26.8	-0.0003	mg/L	0.00029	-0.0003	mg/L	0.00029	100.32%
V 292.402	-260.6	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	87.44%
Ti 334.940	-3419.0	-0.0007	mg/L	0.00001	-0.0007	mg/L	0.00001	2.08%
Ca 227.546	54297.8	106.77	mg/L	0.769	106.77	mg/L	0.769	0.72%

Sequence No.: 58
Sample ID: D0539-08E,18176
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 73
Date Collected: 5/19/05 3:00:39 PM
Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:43 AM,

Mean Data: D0539-08E,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	1256.5	0.0313	mg/L	0.00012	0.0313	mg/L	0.00012	0.39%
Cr 267.716	437.8	0.0010	mg/L	0.00011	0.0010	mg/L	0.00011	11.20%
Cu 324.752	1584.6	0.0027	mg/L	0.00054	0.0027	mg/L	0.00054	19.91%
Fe 273.955	9115.9	0.3941	mg/L	0.00601	0.3941	mg/L	0.00601	1.53%
Mg 279.077	283788.9	15.094	mg/L	0.0146	15.094	mg/L	0.0146	0.10%
Mn 257.610	187713.6	1.6853	mg/L	0.00267	1.6853	mg/L	0.00267	0.16%
Ni 231.604	4639.6	0.0635	mg/L	0.00084	0.0635	mg/L	0.00084	1.33%
Tl 190.801	-6.2	-0.0006	mg/L	0.00057	-0.0006	mg/L	0.00057	99.60%
V 292.402	-40.2	0.0000	mg/L	0.00027	0.0000	mg/L	0.00027	>999.9%
Ti 334.940	-400.3	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	20.68%
Ca 227.546	9474.2	18.718	mg/L	0.0570	18.718	mg/L	0.0570	0.30%

Sequence No.: 59
Sample ID: D0539-09E,18176
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 74
Date Collected: 5/19/05 3:04:41 PM
Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:43 AM,

Mean Data: D0539-09E,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	1774.1	0.0440	mg/L	0.00074	0.0440	mg/L	0.00074	1.68%
Cr 267.716	460.7	0.0007	mg/L	0.00007	0.0007	mg/L	0.00007	9.50%
Cu 324.752	996.1	0.0015	mg/L	0.00013	0.0015	mg/L	0.00013	8.75%
Fe 273.955	199804.8	8.6385	mg/L	0.00910	8.6385	mg/L	0.00910	0.11%
Mg 279.077	313867.8	16.706	mg/L	0.0394	16.706	mg/L	0.0394	0.24%
Mn 257.610	271983.7	2.4464	mg/L	0.00116	2.4464	mg/L	0.00116	0.05%
Ni 231.604	8226.1	0.1120	mg/L	0.00030	0.1120	mg/L	0.00030	0.27%
Tl 190.801	-7.5	-0.0001	mg/L	0.00071	-0.0001	mg/L	0.00071	>999.9%
V 292.402	-62.5	0.0001	mg/L	0.00030	0.0001	mg/L	0.00030	537.29%
Ti 334.940	-709.2	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	200.52%
Ca 227.546	13634.6	26.834	mg/L	0.1961	26.834	mg/L	0.1961	0.73%

Sequence No.: 60
Sample ID: CRI
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 7
Date Collected: 5/19/05 3:08:43 PM
Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:44 AM,

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	798.9	0.0220	mg/L	0.00314	0.0220	mg/L	0.00314	14.30%
Cr 267.716	4736.2	0.0210	mg/L	0.00031	0.0210	mg/L	0.00031	1.46%
Cu 324.752	20161.0	0.0514	mg/L	0.00045	0.0514	mg/L	0.00045	0.87%
Fe 273.955	257.3	0.0050	mg/L	0.00151	0.0050	mg/L	0.00151	30.46%
Mg 279.077	407.7	0.0224	mg/L	0.00489	0.0224	mg/L	0.00489	21.84%
Mn 257.610	3636.4	0.0327	mg/L	0.00009	0.0327	mg/L	0.00009	0.27%
Ni 231.604	6474.7	0.0887	mg/L	0.00062	0.0887	mg/L	0.00062	0.70%
Tl 190.801	44.6	0.0211	mg/L	0.00058	0.0211	mg/L	0.00058	2.75%
V 292.402	25414.6	0.1048	mg/L	0.00048	0.1048	mg/L	0.00048	0.46%
Ti 334.940	70.5	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007	73.48%
Ca 227.546	53.2	0.0972	mg/L	0.00744	0.0972	mg/L	0.00744	7.66%

Sequence No.: 61
Sample ID: ICSA
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 5/19/05 3:12:51 PM
Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:44 AM,

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	15949027.0	472.36	mg/L	2.643	472.36	mg/L	2.643	0.56%
Cr 267.716	261.6	0.0012	mg/L	0.00003	0.0012	mg/L	0.00003	2.82%
Cu 324.752	-6716.9	-0.0052	mg/L	0.00003	-0.0052	mg/L	0.00003	0.50%
Fe 273.955	3914706.7	169.25	mg/L	1.085	169.25	mg/L	1.085	0.64%
Mg 279.077	8628158.1	458.04	mg/L	2.197	458.04	mg/L	2.197	0.48%
Mn 257.610	-13477.2	0.0098	mg/L	0.00136	0.0098	mg/L	0.00136	13.89%
Ni 231.604	284.9	-0.0111	mg/L	0.00011	-0.0111	mg/L	0.00011	0.98%
Tl 190.801	58.1	0.0006	mg/L	0.00074	0.0006	mg/L	0.00074	116.86%
V 292.402	-909.6	-0.0005	mg/L	0.00000	-0.0005	mg/L	0.00000	0.03%
Ti 334.940	-15559.9	-0.0033	mg/L	0.00013	-0.0033	mg/L	0.00013	3.78%
Ca 227.546	246023.2	484.52	mg/L	10.505	484.52	mg/L	10.505	2.17%

Sequence No.: 62
Sample ID: ICSAB
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 5/19/05 3:17:05 PM
Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:44 AM,

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	16260083.5	481.57	mg/L	0.039	481.57	mg/L	0.039	0.01%
Cr 267.716	104019.4	0.4606	mg/L	0.00796	0.4606	mg/L	0.00796	1.73%
Cu 324.752	182113.5	0.4761	mg/L	0.01446	0.4761	mg/L	0.01446	3.04%
Fe 273.955	3977151.8	171.92	mg/L	0.278	171.92	mg/L	0.278	0.16%
Mg 279.077	8764602.5	465.29	mg/L	0.467	465.29	mg/L	0.467	0.10%
Mn 257.610	39258.7	0.4858	mg/L	0.00512	0.4858	mg/L	0.00512	1.05%
Ni 231.604	64791.9	0.8724	mg/L	0.01145	0.8724	mg/L	0.01145	1.31%
Tl 190.801	246.7	0.0897	mg/L	0.00197	0.0897	mg/L	0.00197	2.19%
V 292.402	113132.9	0.4706	mg/L	0.00942	0.4706	mg/L	0.00942	2.00%
Ti 334.940	-15648.5	-0.0034	mg/L	0.00009	-0.0034	mg/L	0.00009	2.56%
Ca 227.546	248283.6	488.90	mg/L	10.215	488.90	mg/L	10.215	2.09%

Sequence No.: 63
Autosampler Location: 3

Sample ID: CCV
Analyst:
Sample Wt:
Dilution:

Date Collected: 5/19/05 3:21:21 PM
Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:45 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	341231.0	10.059	mg/L	0.0767	10.059	mg/L	0.0767	0.76%
Cr 267.716	231901.2	1.0259	mg/L	0.00623	1.0259	mg/L	0.00623	0.61%
Cu 324.752	502450.4	1.2796	mg/L	0.01207	1.2796	mg/L	0.01207	0.94%
Fe 273.955	121413.0	5.0992	mg/L	0.02503	5.0992	mg/L	0.02503	0.49%
Mg 279.077	490537.4	26.090	mg/L	0.1405	26.090	mg/L	0.1405	0.54%
Mn 257.610	289451.5	2.6029	mg/L	0.02445	2.6029	mg/L	0.02445	0.94%
Ni 231.604	189303.7	2.5927	mg/L	0.02435	2.5927	mg/L	0.02435	0.94%
Tl 190.801	1076.4	0.5110	mg/L	0.00015	0.5110	mg/L	0.00015	0.03%
V 292.402	617852.2	2.5497	mg/L	0.01601	2.5497	mg/L	0.01601	0.63%
Ti 334.940	-163.0	0.0006	mg/L	0.00017	0.0006	mg/L	0.00017	29.07%
Ca 227.546	12920.2	25.268	mg/L	0.0546	25.268	mg/L	0.0546	0.22%

Sequence No.: 64
Sample ID: CCB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/19/05 3:25:26 PM
Sample Prep Volume:
Data Type: Reprocessed on 5/20/05 9:16:45 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	1203.9	0.0357	mg/L	0.00209	0.0357	mg/L	0.00209	5.87%
Cr 267.716	94.3	0.0004	mg/L	0.00025	0.0004	mg/L	0.00025	60.89%
Cu 324.752	1865.2	0.0048	mg/L	0.00089	0.0048	mg/L	0.00089	18.66%
Fe 273.955	226.0	0.0098	mg/L	0.00087	0.0098	mg/L	0.00087	8.90%
Mg 279.077	1965.2	0.1043	mg/L	0.00596	0.1043	mg/L	0.00596	5.72%
Mn 257.610	30.6	0.0003	mg/L	0.00008	0.0003	mg/L	0.00008	28.00%
Ni 231.604	65.2	0.0009	mg/L	0.00005	0.0009	mg/L	0.00005	5.97%
Tl 190.801	2.0	0.0010	mg/L	0.00014	0.0010	mg/L	0.00014	14.36%
V 292.402	44.4	0.0002	mg/L	0.00007	0.0002	mg/L	0.00007	37.25%
Ti 334.940	-57.4	-0.0001	mg/L	0.00009	-0.0001	mg/L	0.00009	117.56%
Ca 227.546	40.7	0.0802	mg/L	0.00058	0.0802	mg/L	0.00058	0.72%

Analysis Begun

Start Time: 5/19/2005 2:04:10 PM
Logged In Analyst: optima3
Spectrometer Model: Optima 4300 DV, S/N 077N3102302
Plasma On Time: 5/19/2005 12:12:23 PM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\523-565.sif
Batch ID:
Results Data Set: B05051902
Results Library: C:\pe\Administrator\Results\Results.mdb

Method Loaded
Method Name: Na CLP
IEC File:
Method Description: Na CLP
Method Last Saved: 1/6/2005 10:16:27 AM
MSF File:

Sequence No.: 1
Sample ID: S0
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 5/19/2005 2:04:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Calib Units
Na 589.592	1169.9	46.75	4.00%	[0.00]	mg/L

Sequence No.: 2
Sample ID: S1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 5/19/2005 2:06:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Calib Units
Na 589.592	381509.5	4064.40	1.07%	[50]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Na 589.592	1	Lin Thru 0	0.0	7630	0.00000	1.000000	

Sequence No.: 3
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 9
Date Collected: 5/19/2005 2:08:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Sample Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	296377.4	38.843	mg/L	0.0812	38.843	mg/L	0.0812	0.21%

Sequence No.: 4
Sample ID: ICB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 5/19/2005 2:11:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	187.6	0.0246	mg/L	0.00291	0.0246	mg/L	0.00291	11.83%

Sequence No.: 5
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 5/19/2005 2:13:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	647.0	0.0848	mg/L	0.00152	0.0848	mg/L	0.00152	1.79%

Sequence No.: 6
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 5/19/2005 2:15:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	577.2	0.0756	mg/L	0.01088	0.0756	mg/L	0.01088	14.38%

Sequence No.: 7
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 5/19/2005 2:18:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	195040.2	25.562	mg/L	0.3562	25.562	mg/L	0.3562	1.39%

Sequence No.: 8
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 5/19/2005 2:20:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	301.6	0.0395	mg/L	0.00196	0.0395	mg/L	0.00196	4.96%

Sequence No.: 9
Sample ID: MB-18177,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 48
Date Collected: 5/19/2005 2:23:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-18177,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	250.8	0.0329	mg/L	0.00352	0.0329	mg/L	0.00352	10.70%

Sequence No.: 10
Sample ID: LCS-18177,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 49
Date Collected: 5/19/2005 2:25:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-18177,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	35551.6	4.6593	mg/L	0.05528	4.6593	mg/L	0.05528	1.19%

Sequence No.: 11
Sample ID: D0523-01A,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 50
Date Collected: 5/19/2005 2:27:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0523-01A,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	817.6	0.1072	mg/L	0.01085	0.1072	mg/L	0.01085	10.12%

Sequence No.: 12
Sample ID: D0523-01ASD,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 51
Date Collected: 5/19/2005 2:30:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0523-01ASD,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	4022.0	0.5271	mg/L	0.01976	0.5271	mg/L	0.01976	3.75%

Sequence No.: 13
Sample ID: D0529-01B,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 52
Date Collected: 5/19/2005 2:32:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-01B,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	4600.7	0.6030	mg/L	0.00076	0.6030	mg/L	0.00076	0.13%

Sequence No.: 14
Sample ID: D0529-01BDUP,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 53
Date Collected: 5/19/2005 2:34:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-01BDUP,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	3549.1	0.4651	mg/L	0.01049	0.4651	mg/L	0.01049	2.25%

Sequence No.: 15
Sample ID: D0529-01BSD,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 55
Date Collected: 5/19/2005 2:37:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-01BSD,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	841.6	0.1103	mg/L	0.00449	0.1103	mg/L	0.00449	4.07%

Sequence No.: 16
Sample ID: MB-18176,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 57
Date Collected: 5/19/2005 2:39:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-18176,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	-110.5	-0.0145	mg/L	0.00204	-0.0145	mg/L	0.00204	14.10%

Sequence No.: 17
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 5/19/2005 2:41:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	199292.8	26.119	mg/L	0.1089	26.119	mg/L	0.1089	0.42%

Sequence No.: 18
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 5/19/2005 2:44:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	-2.4	-0.0003	mg/L	0.02273	-0.0003	mg/L	0.02273	>999.9%

Sequence No.: 19
Sample ID: LCS-18176,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 58
Date Collected: 5/19/2005 2:46:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-18176,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	187015.1	24.510	mg/L	0.2855	24.510	mg/L	0.2855	1.16%

Sequence No.: 20
Sample ID: D0529-03D,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 59
Date Collected: 5/19/2005 2:48:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-03D,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	819.2	0.1074	mg/L	0.00628	0.1074	mg/L	0.00628	5.85%

Sequence No.: 21
Sample ID: D0529-03DSD,18176
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 5/19/2005 2:51:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-03DSD,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	46.4	0.0061	mg/L	0.00672	0.0061	mg/L	0.00672	110.59%

Sequence No.: 22
Sample ID: D0565-01C,18176
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 5/19/2005 2:53:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0565-01C,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	190738.2	24.998	mg/L	0.3320	24.998	mg/L	0.3320	1.33%

Sequence No.: 23
Sample ID: D0565-01CSD,18176
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 5/19/2005 2:55:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0565-01CSD,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	39433.2	5.1681	mg/L	0.01238	5.1681	mg/L	0.01238	0.24%

Sequence No.: 24
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/19/2005 2:58:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	303.5	0.0398	mg/L	0.01235	0.0398	mg/L	0.01235	31.06%

Sequence No.: 25
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/19/2005 3:00:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	309.0	0.0405	mg/L	0.00258	0.0405	mg/L	0.00258	6.38%

Sequence No.: 26
Sample ID: CCV
Analyst:
Initial Sample Wt:

Autosampler Location: 3
Date Collected: 5/19/2005 3:02:55 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	198555.4	26.022	mg/L	0.3501	26.022	mg/L	0.3501	1.35%

==========

Sequence No.: 27 Autosampler Location: 4
Sample ID: CCB Date Collected: 5/19/2005 3:05:17 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	-36.4	-0.0048	mg/L	0.01320	-0.0048	mg/L	0.01320	276.88%

Analysis Begun

Start Time: 5/19/2005 3:07:34 PM
Logged In Analyst: optima3
Spectrometer Model: Optima 4300 DV, S/N 077N3102302
Plasma On Time: 5/19/2005 12:12:23 PM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\523-565.sif
Batch ID:
Results Data Set: B05051903
Results Library: C:\pe\Administrator\Results\Results.mdb

Method Loaded
Method Name: K CLP
IEC File:
Method Description: K CLP
Method Last Saved: 1/6/2005 10:16:44 AM
MSF File:

Sequence No.: 1
Sample ID: S0
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 5/19/2005 3:07:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
K 766.490	2233.1	115.79	5.19%	[0.00]	mg/L

Sequence No.: 2
Sample ID: S1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 5/19/2005 3:09:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
K 766.490	171685.0	333.00	0.19%	[50]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
K 766.490	1	Lin Thru 0	0.0	3434	0.00000	1.000000	

Sequence No.: 3
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 9
Date Collected: 5/19/2005 3:12:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	127360.7	37.091	mg/L	0.0982	37.091	mg/L	0.0982	0.26%

Sequence No.: 4
Sample ID: ICB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 5/19/2005 3:14:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	70.9	0.0206	mg/L	0.02685	0.0206	mg/L	0.02685	130.09%

Sequence No.: 5
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 5/19/2005 3:16:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	365.3	0.1064	mg/L	0.06481	0.1064	mg/L	0.06481	60.92%

Sequence No.: 6
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 5/19/2005 3:19:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	278.2	0.0810	mg/L	0.00766	0.0810	mg/L	0.00766	9.45%

Sequence No.: 7
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 5/19/2005 3:21:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	85802.7	24.988	mg/L	0.0230	24.988	mg/L	0.0230	0.09%

Sequence No.: 8
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 5/19/2005 3:23:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	145.5	0.0424	mg/L	0.01482	0.0424	mg/L	0.01482	34.99%

Sequence No.: 9
Sample ID: MB-18177,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 48
Date Collected: 5/19/2005 3:26:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-18177,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	-31.7	-0.0092	mg/L	0.00264	-0.0092	mg/L	0.00264	28.53%

Sequence No.: 10
Sample ID: LCS-18177,18177
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 5/19/2005 3:28:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-18177,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	32827.6	9.5604	mg/L	0.06224	9.5604	mg/L	0.06224	0.65%

Sequence No.: 11 SD
Sample ID: D0523-01A,18177
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 5/19/2005 3:31:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

SD

Mean Data: D0523-01A,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	5349.5	1.5580	mg/L	0.01680	1.5580	mg/L	0.01680	1.08%

Sequence No.: 12
Sample ID: D0523-01ASD,18177
Analyst:
Initial Sample Wt:
Dilution: 5 1/20/05

Autosampler Location: 51
Date Collected: 5/19/2005 3:33:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0523-01ASD,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	25815.2	7.5182	mg/L	0.07085	7.5182	mg/L	0.07085	0.94%

Sequence No.: 13
Sample ID: D0529-01B,18177
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 5/19/2005 3:35:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-01B,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	13438.5	3.9137	mg/L	0.03354	3.9137	mg/L	0.03354	0.86%

Sequence No.: 14
Sample ID: D0529-01BDUP,18177
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 5/19/2005 3:38:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-01BDUP,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	10053.9	2.9280	mg/L	0.00830	2.9280	mg/L	0.00830	0.28%

Sequence No.: 15
Sample ID: D0529-01BSD,18177
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 5/19/2005 3:40:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-01BSD,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	2726.8	0.7941	mg/L	0.03858	0.7941	mg/L	0.03858	4.86%

Sequence No.: 16
Sample ID: MB-18176,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 57
Date Collected: 5/19/2005 3:42:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-18176,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	-285.3	-0.0831	mg/L	0.01649	-0.0831	mg/L	0.01649	19.85%

Sequence No.: 17
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 5/19/2005 3:45:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	86383.7	25.158	mg/L	0.3523	25.158	mg/L	0.3523	1.40%

Sequence No.: 18
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 5/19/2005 3:47:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	-77.3	-0.0225	mg/L	0.01178	-0.0225	mg/L	0.01178	52.30%

Sequence No.: 19
Sample ID: LCS-18176,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 58
Date Collected: 5/19/2005 3:49:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-18176,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	79448.5	23.138	mg/L	0.3365	23.138	mg/L	0.3365	1.45%

Sequence No.: 20
Sample ID: D0529-03D,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 59
Date Collected: 5/19/2005 3:52:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-03D,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	63.3	0.0184	mg/L	0.00038	0.0184	mg/L	0.00038	2.08%

Sequence No.: 21
Sample ID: D0529-03DSD,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 60
Date Collected: 5/19/2005 3:54:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-03DSD,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	-117.0	-0.0341	mg/L	0.09026	-0.0341	mg/L	0.09026	264.78%

Sequence No.: 22
Sample ID: D0565-01C,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 61
Date Collected: 5/19/2005 3:56:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0565-01C,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	9042.7	2.6335	mg/L	0.08809	2.6335	mg/L	0.08809	3.35%

Sequence No.: 23
Sample ID: D0565-01CSD,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 62
Date Collected: 5/19/2005 3:59:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0565-01CSD,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	1670.5	0.4865	mg/L	0.02226	0.4865	mg/L	0.02226	4.58%

Sequence No.: 24
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 5/19/2005 4:01:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	209.0	0.0609	mg/L	0.01859	0.0609	mg/L	0.01859	30.53%

Sequence No.: 25
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 5/19/2005 4:03:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	213.9	0.0623	mg/L	0.02365	0.0623	mg/L	0.02365	37.96%

Sequence No.: 26
Sample ID: CCV
Analyst:
Initial Sample Wt:
Autosampler Location: 3
Date Collected: 5/19/2005 4:06:13 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	86884.0	25.303	mg/L	0.0423	25.303	mg/L	0.0423	0.17%

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Sequence No.: 27
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/19/2005 4:08:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	5.9	0.0017	mg/L	0.02297	0.0017	mg/L	0.02297	>999.9%

Analysis Begun

Start Time: 5/20/2005 1:30:54 PM
Plasma On Time: 5/20/2005 1:12:05 PM
Logged In Analyst: optima3
Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N3102302Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\523-565.sif
Batch ID:
Results Data Set: B05052001
Results Library: C:\pe\Administrator\Results\Results.mdb

Method Loaded
Method Name: CLP
Method Last Saved: 5/6/2005 9:26:07 AM
IEC File: B05033102X.iec
MSF File:
Method Description: working method for all elements

Sequence No.: 1
Autosampler Location: 1
Sample ID: S0
Date Collected: 5/20/2005 1:30:55 PM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Al 308.215	7394.6	5.91	0.08%	[0.00]	mg/L
Cr 267.716	29.8	2.48	8.34%	[0.00]	mg/L
Cu 324.752	106.9	18.95	17.72%	[0.00]	mg/L
Fe 273.955	232.2	14.39	6.20%	[0.00]	mg/L
Mg 279.077	645.5	3.93	0.61%	[0.00]	mg/L
Mn 257.610	58.6	14.05	23.97%	[0.00]	mg/L
Ni 231.604	3.6	3.42	96.02%	[0.00]	mg/L
Sb 206.836	-2.7	0.42	15.34%	[0.00]	mg/L
Tl 190.801	-1.7	0.77	44.65%	[0.00]	mg/L
V 292.402	109.5	5.29	4.84%	[0.00]	mg/L
Ti 334.940	-194.8	18.39	9.44%	[0.00]	mg/L
Ca 227.546	37.9	3.42	9.01%	[0.00]	mg/L

Sequence No.: 2
Autosampler Location: 2
Sample ID: S1
Date Collected: 5/20/2005 1:34:00 PM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Al 308.215	530402.8	1694.63	0.32%	[20]	mg/L
Cr 267.716	77888.7	11.41	0.01%	[2]	mg/L
Cu 324.752	300707.2	1838.25	0.61%	[2.5]	mg/L
Fe 273.955	324291.5	1397.93	0.43%	[10]	mg/L
Mg 279.077	1059197.4	4262.28	0.40%	[50]	mg/L
Mn 257.610	2359041.7	12889.16	0.55%	[5]	mg/L
Ni 231.604	75699.5	208.49	0.28%	[5]	mg/L
Sb 206.836	548.1	21.66	3.95%	[1]	mg/L
Tl 190.801	448.3	3.23	0.72%	[1]	mg/L
V 292.402	474100.2	1247.50	0.26%	[5]	mg/L
Ti 334.940	685430.2	3220.05	0.47%	[1]	mg/L
Ca 227.546	7425.2	3.29	0.04%	[50]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope

Al 308.215	1	Lin Thru 0	0.0	26520	0.00000	1.000000
Cr 267.716	1	Lin Thru 0	0.0	38940	0.00000	1.000000
Cu 324.752	1	Lin Thru 0	0.0	120300	0.00000	1.000000
Fe 273.955	1	Lin Thru 0	0.0	32430	0.00000	1.000000
Mg 279.077	1	Lin Thru 0	0.0	21180	0.00000	1.000000
Mn 257.610	1	Lin Thru 0	0.0	471800	0.00000	1.000000
Ni 231.604	1	Lin Thru 0	0.0	15140	0.00000	1.000000
Sb 206.836	1	Lin Thru 0	0.0	548.1	0.00000	1.000000
Tl 190.801	1	Lin Thru 0	0.0	448.3	0.00000	1.000000
V 292.402	1	Lin Thru 0	0.0	94820	0.00000	1.000000
Ti 334.940	1	Lin Thru 0	0.0	685400	0.00000	1.000000
Ca 227.546	1	Lin Thru 0	0.0	148.5	0.00000	1.000000

Sequence No.: 3
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 5/20/2005 1:37:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	405606.8	15.388	mg/L	0.0723	15.388	mg/L	0.0723	0.47%
Cr 267.716	61111.1	1.5696	mg/L	0.02540	1.5696	mg/L	0.02540	1.62%
Cu 324.752	229701.3	1.9119	mg/L	0.00569	1.9119	mg/L	0.00569	0.30%
Fe 273.955	252806.6	7.6768	mg/L	0.15732	7.6768	mg/L	0.15732	2.05%
Mg 279.077	819597.6	38.697	mg/L	0.2298	38.697	mg/L	0.2298	0.59%
Mn 257.610	1826657.4	3.8708	mg/L	0.01623	3.8708	mg/L	0.01623	0.42%
Ni 231.604	59053.4	3.9012	mg/L	0.08450	3.9012	mg/L	0.08450	2.17%
Sb 206.836	434.5	0.7717	mg/L	0.00522	0.7717	mg/L	0.00522	0.68%
Tl 190.801	341.9	0.7599	mg/L	0.00440	0.7599	mg/L	0.00440	0.58%
V 292.402	368230.3	3.8877	mg/L	0.02739	3.8877	mg/L	0.02739	0.70%
Ti 334.940	538.9	0.0014	mg/L	0.00001	0.0014	mg/L	0.00001	0.52%
Ca 227.546	5712.7	37.801	mg/L	0.1358	37.801	mg/L	0.1358	0.36%

Sequence No.: 4
Sample ID: ICB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/20/2005 1:40:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	131.8	0.0050	mg/L	0.00298	0.0050	mg/L	0.00298	60.01%
Cr 267.716	8.7	0.0002	mg/L	0.00011	0.0002	mg/L	0.00011	50.40%
Cu 324.752	35.5	0.0003	mg/L	0.00013	0.0003	mg/L	0.00013	44.87%
Fe 273.955	46.1	0.0014	mg/L	0.00076	0.0014	mg/L	0.00076	53.52%
Mg 279.077	-50.3	-0.0024	mg/L	0.00245	-0.0024	mg/L	0.00245	103.18%
Mn 257.610	127.3	0.0003	mg/L	0.00004	0.0003	mg/L	0.00004	15.76%
Ni 231.604	-1.4	-0.0001	mg/L	0.00016	-0.0001	mg/L	0.00016	173.25%
Sb 206.836	6.3	0.0115	mg/L	0.00160	0.0115	mg/L	0.00160	13.96%
Tl 190.801	-1.4	-0.0031	mg/L	0.00101	-0.0031	mg/L	0.00101	32.53%
V 292.402	2.6	0.0000	mg/L	0.00031	0.0000	mg/L	0.00031	>999.9%
Ti 334.940	-0.0	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	>999.9%
Ca 227.546	7.4	0.0498	mg/L	0.14288	0.0498	mg/L	0.14288	286.88%

Sequence No.: 5
Sample ID: CRI
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/20/2005 1:43:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected	Calib	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Al 308.215	79.8	0.0055	mg/L	0.00221	0.0055	mg/L	0.00221	39.96%
Cr 267.716	851.9	0.0219	mg/L	0.00015	0.0219	mg/L	0.00015	0.68%
Cu 324.752	6309.7	0.0525	mg/L	0.00063	0.0525	mg/L	0.00063	1.20%
Fe 273.955	170.7	0.0021	mg/L	0.00132	0.0021	mg/L	0.00132	64.54%
Mg 279.077	-61.2	-0.0028	mg/L	0.00374	-0.0028	mg/L	0.00374	134.85%
Mn 257.610	16497.5	0.0350	mg/L	0.00032	0.0350	mg/L	0.00032	0.93%
Ni 231.604	1391.5	0.0919	mg/L	0.00038	0.0919	mg/L	0.00038	0.41%
Sb 206.836	69.6	0.1268	mg/L	0.00563	0.1268	mg/L	0.00563	4.44%
Tl 190.801	6.7	0.0146	mg/L	0.00733	0.0146	mg/L	0.00733	50.33%
V 292.402	9949.9	0.1050	mg/L	0.00178	0.1050	mg/L	0.00178	1.70%
Ti 334.940	5.5	0.0000	mg/L	0.00014	0.0000	mg/L	0.00014	>999.9%
Ca 227.546	11.5	0.0666	mg/L	0.05553	0.0666	mg/L	0.05553	83.36%

Sequence No.: 6
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 5/20/2005 1:46:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	12224004.4	460.93	mg/L	3.500	460.93	mg/L	3.500	0.76%
Cr 267.716	-66.6	-0.0019	mg/L	0.00019	-0.0019	mg/L	0.00019	10.23%
Cu 324.752	-6230.6	-0.0214	mg/L	0.00097	-0.0214	mg/L	0.00097	4.56%
Fe 273.955	5665551.6	174.71	mg/L	1.551	174.71	mg/L	1.551	0.89%
Mg 279.077	9546102.6	450.51	mg/L	4.028	450.51	mg/L	4.028	0.89%
Mn 257.610	4316.2	-0.0016	mg/L	0.00010	-0.0016	mg/L	0.00010	6.07%
Saturated outside survey window (code 6)								
Ni 231.604	62.7	0.0281	mg/L	0.00004	0.0281	mg/L	0.00004	0.16%
Sb 206.836	1.1	-0.0043	mg/L	0.00068	-0.0043	mg/L	0.00068	15.72%
Tl 190.801	-16.2	-0.0089	mg/L	0.00018	-0.0089	mg/L	0.00018	2.01%
V 292.402	148.3	0.0016	mg/L	0.00012	0.0016	mg/L	0.00012	7.42%
Ti 334.940	-9216.8	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	17.01%
Ca 227.546	71949.2	479.64	mg/L	0.434	479.64	mg/L	0.434	0.09%

Sequence No.: 7
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 5/20/2005 1:49:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	12315916.2	464.41	mg/L	2.383	464.41	mg/L	2.383	0.51%
Cr 267.716	18008.2	0.4623	mg/L	0.00295	0.4623	mg/L	0.00295	0.64%
Cu 324.752	51484.9	0.4590	mg/L	0.00857	0.4590	mg/L	0.00857	1.87%
Fe 273.955	5729841.0	176.67	mg/L	1.220	176.67	mg/L	1.220	0.69%
Mg 279.077	9634043.1	454.66	mg/L	3.472	454.66	mg/L	3.472	0.76%
Mn 257.610	224809.3	0.4657	mg/L	0.00665	0.4657	mg/L	0.00665	1.43%
Saturated outside survey window (code 6)								
Ni 231.604	13017.6	0.8840	mg/L	0.00107	0.8840	mg/L	0.00107	0.12%
Sb 206.836	332.7	0.5940	mg/L	0.00161	0.5940	mg/L	0.00161	0.27%
Tl 190.801	27.5	0.0882	mg/L	0.00184	0.0882	mg/L	0.00184	2.08%
V 292.402	44516.3	0.4707	mg/L	0.00278	0.4707	mg/L	0.00278	0.59%
Ti 334.940	-9270.7	0.0000	mg/L	0.00014	0.0000	mg/L	0.00014	306.47%
Ca 227.546	72451.8	482.89	mg/L	3.445	482.89	mg/L	3.445	0.71%

Sequence No.: 8
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 5/20/2005 1:52:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	275511.2	10.453	mg/L	0.0596	10.453	mg/L	0.0596	0.57%
Cr 267.716	42119.1	1.0818	mg/L	0.01099	1.0818	mg/L	0.01099	1.02%
Cu 324.752	151759.4	1.2632	mg/L	0.01200	1.2632	mg/L	0.01200	0.95%
Fe 273.955	175588.6	5.3329	mg/L	0.03346	5.3329	mg/L	0.03346	0.63%
Mg 279.077	566309.9	26.738	mg/L	0.0791	26.738	mg/L	0.0791	0.30%
Mn 257.610	1252726.0	2.6546	mg/L	0.01488	2.6546	mg/L	0.01488	0.56%
Ni 231.604	40924.0	2.7035	mg/L	0.01840	2.7035	mg/L	0.01840	0.68%
Sb 206.836	293.4	0.5208	mg/L	0.01595	0.5208	mg/L	0.01595	3.06%
Tl 190.801	236.8	0.5262	mg/L	0.00209	0.5262	mg/L	0.00209	0.40%
V 292.402	252698.1	2.6679	mg/L	0.00883	2.6679	mg/L	0.00883	0.33%
Ti 334.940	211.5	0.0007	mg/L	0.00013	0.0007	mg/L	0.00013	17.93%
Ca 227.546	3928.6	25.994	mg/L	0.1695	25.994	mg/L	0.1695	0.65%

Sequence No.: 9
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 5/20/2005 1:56:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	259.4	0.0098	mg/L	0.00211	0.0098	mg/L	0.00211	21.52%
Cr 267.716	1.3	0.0000	mg/L	0.00034	0.0000	mg/L	0.00034	>999.9%
Cu 324.752	5.5	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	51.74%
Fe 273.955	208.7	0.0064	mg/L	0.00095	0.0064	mg/L	0.00095	14.83%
Mg 279.077	102.4	0.0048	mg/L	0.00236	0.0048	mg/L	0.00236	48.83%
Mn 257.610	30.7	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007	103.34%
Ni 231.604	0.6	0.0000	mg/L	0.00013	0.0000	mg/L	0.00013	310.15%
Sb 206.836	1.3	0.0024	mg/L	0.00034	0.0024	mg/L	0.00034	13.75%
Tl 190.801	-4.7	-0.0106	mg/L	0.00217	-0.0106	mg/L	0.00217	20.53%
V 292.402	39.4	0.0004	mg/L	0.00040	0.0004	mg/L	0.00040	96.20%
Ti 334.940	-10.3	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	594.78%
Ca 227.546	26.3	0.1768	mg/L	0.09834	0.1768	mg/L	0.09834	55.64%

Sequence No.: 10
Sample ID: MB-18177,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 48
Date Collected: 5/20/2005 1:59:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-18177,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	484.5	0.0183	mg/L	0.00118	0.0183	mg/L	0.00118	6.43%
Cr 267.716	15.6	0.0004	mg/L	0.00013	0.0004	mg/L	0.00013	32.25%
Cu 324.752	177.3	0.0015	mg/L	0.00043	0.0015	mg/L	0.00043	29.17%
Fe 273.955	1380.4	0.0426	mg/L	0.00180	0.0426	mg/L	0.00180	4.23%
Mg 279.077	205.6	0.0097	mg/L	0.00129	0.0097	mg/L	0.00129	13.36%
Mn 257.610	710.7	0.0015	mg/L	0.00008	0.0015	mg/L	0.00008	5.09%
Ni 231.604	14.3	0.0010	mg/L	0.00007	0.0010	mg/L	0.00007	7.44%
Sb 206.836	3.3	0.0060	mg/L	0.00353	0.0060	mg/L	0.00353	58.75%
Tl 190.801	-2.7	-0.0061	mg/L	0.00683	-0.0061	mg/L	0.00683	112.46%
V 292.402	13.6	0.0001	mg/L	0.00014	0.0001	mg/L	0.00014	100.20%
Ti 334.940	162.1	0.0002	mg/L	0.00009	0.0002	mg/L	0.00009	38.43%
Ca 227.546	33.8	0.2264	mg/L	0.05991	0.2264	mg/L	0.05991	26.46%

Sequence No.: 11
Sample ID: LCS-18177,18177
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 49
Date Collected: 5/20/2005 2:02:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-18177,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	974603.9	36.759	mg/L	0.2472	36.759	mg/L	0.2472	0.67%
Cr 267.716	33562.6	0.8615	mg/L	0.00175	0.8615	mg/L	0.00175	0.20%
Cu 324.752	65929.3	0.5599	mg/L	0.00196	0.5599	mg/L	0.00196	0.35%
Fe 273.955	1675532.3	51.656	mg/L	0.4008	51.656	mg/L	0.4008	0.78%
Mg 279.077	282013.9	13.283	mg/L	0.0130	13.283	mg/L	0.0130	0.10%
Mn 257.610	857755.7	1.8170	mg/L	0.01659	1.8170	mg/L	0.01659	0.91%
Ni 231.604	14071.7	0.9363	mg/L	0.00053	0.9363	mg/L	0.00053	0.06%
Sb 206.836	92.6	0.1544	mg/L	0.00299	0.1544	mg/L	0.00299	1.94%
Tl 190.801	214.3	0.4872	mg/L	0.00538	0.4872	mg/L	0.00538	1.10%
V 292.402	35254.7	0.3733	mg/L	0.00139	0.3733	mg/L	0.00139	0.37%
Ti 334.940	895060.6	1.3062	mg/L	0.01187	1.3062	mg/L	0.01187	0.91%
Ca 227.546	3385.1	21.301	mg/L	0.0109	21.301	mg/L	0.0109	0.05%

Sequence No.: 12
Sample ID: D0523-01A,18177
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 5/20/2005 2:05:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0523-01A,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	395519.4	14.914	mg/L	0.0619	14.914	mg/L	0.0619	0.42%
Cr 267.716	855.0	0.0219	mg/L	0.00005	0.0219	mg/L	0.00005	0.23%
Cu 324.752	2231.2	0.0271	mg/L	0.00042	0.0271	mg/L	0.00042	1.54%
Fe 273.955	1149794.4	35.455	mg/L	0.1199	35.455	mg/L	0.1199	0.34%
Mg 279.077	231976.5	10.928	mg/L	0.0258	10.928	mg/L	0.0258	0.24%
Mn 257.610	323350.8	0.6851	mg/L	0.00148	0.6851	mg/L	0.00148	0.22%
Ni 231.604	574.8	0.0430	mg/L	0.00001	0.0430	mg/L	0.00001	0.01%
Sb 206.836	3.7	0.0052	mg/L	0.00231	0.0052	mg/L	0.00231	44.19%
Tl 190.801	-5.3	-0.0054	mg/L	0.00123	-0.0054	mg/L	0.00123	22.95%
V 292.402	1953.0	0.0207	mg/L	0.00027	0.0207	mg/L	0.00027	1.29%
Ti 334.940	34770.5	0.0514	mg/L	0.00052	0.0514	mg/L	0.00052	1.00%
Ca 227.546	3396.9	21.903	mg/L	0.0428	21.903	mg/L	0.0428	0.20%

Sequence No.: 13
Sample ID: D0523-01ASD,18177
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 5/20/2005 2:08:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0523-01ASD,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	1904207.2	71.805	mg/L	0.1203	71.805	mg/L	0.1203	0.17%
Cr 267.716	4070.1	0.1042	mg/L	0.00104	0.1042	mg/L	0.00104	0.99%
Cu 324.752	11014.4	0.1308	mg/L	0.00150	0.1308	mg/L	0.00150	1.15%
Fe 273.955	5294958.9	163.27	mg/L	0.179	163.27	mg/L	0.179	0.11%
Mg 279.077	1074875.9	50.638	mg/L	0.0946	50.638	mg/L	0.0946	0.19%
Mn 257.610	1502222.8	3.1826	mg/L	0.00360	3.1826	mg/L	0.00360	0.11%
Ni 231.604	2614.0	0.1959	mg/L	0.00097	0.1959	mg/L	0.00097	0.50%
Sb 206.836	2.1	-0.0034	mg/L	0.00655	-0.0034	mg/L	0.00655	190.83%
Tl 190.801	-11.0	0.0055	mg/L	0.00995	0.0055	mg/L	0.00995	181.36%
V 292.402	9015.4	0.0954	mg/L	0.00046	0.0954	mg/L	0.00046	0.48%
Ti 334.940	160516.7	0.2373	mg/L	0.00046	0.2373	mg/L	0.00046	0.19%
Ca 227.546	16681.0	107.85	mg/L	0.278	107.85	mg/L	0.278	0.26%

Sequence No.: 14
Sample ID: D0529-01B,18177
Analyst:
Initial Sample Wt:

Autosampler Location: 52
Date Collected: 5/20/2005 2:12:00 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: D0529-01B,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	1037995.9	39.142	mg/L	0.0726	39.142	mg/L	0.0726	0.19%
Cr 267.716	2245.8	0.0568	mg/L	0.00034	0.0568	mg/L	0.00034	0.60%
Cu 324.752	13408.6	0.1399	mg/L	0.00236	0.1399	mg/L	0.00236	1.69%
Fe 273.955	3774790.1	116.40	mg/L	0.398	116.40	mg/L	0.398	0.34%
Mg 279.077	1099564.8	51.837	mg/L	0.2022	51.837	mg/L	0.2022	0.39%
Mn 257.610	1622110.1	3.4367	mg/L	0.01943	3.4367	mg/L	0.01943	0.57%
Ni 231.604	1293.6	0.1013	mg/L	0.00057	0.1013	mg/L	0.00057	0.56%
Sb 206.836	-1.4	-0.0074	mg/L	0.01129	-0.0074	mg/L	0.01129	152.54%
Tl 190.801	-8.6	0.0033	mg/L	0.00071	0.0033	mg/L	0.00071	21.63%
V 292.402	7036.5	0.0744	mg/L	0.00014	0.0744	mg/L	0.00014	0.19%
Ti 334.940	167248.5	0.2516	mg/L	0.00134	0.2516	mg/L	0.00134	0.53%
Ca 227.546	40347.8	268.50	mg/L	2.033	268.50	mg/L	2.033	0.76%

Sequence No.: 15 Autosampler Location: 53
Sample ID: D0529-01BDUP,18177 Date Collected: 5/20/2005 2:15:13 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: D0529-01BDUP,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	867623.6	32.717	mg/L	0.1573	32.717	mg/L	0.1573	0.48%
Cr 267.716	1638.3	0.0417	mg/L	0.00015	0.0417	mg/L	0.00015	0.36%
Cu 324.752	11690.2	0.1195	mg/L	0.00054	0.1195	mg/L	0.00054	0.45%
Fe 273.955	2986431.4	92.090	mg/L	0.4478	92.090	mg/L	0.4478	0.49%
Mg 279.077	556103.2	26.194	mg/L	0.0954	26.194	mg/L	0.0954	0.36%
Mn 257.610	946910.1	2.0063	mg/L	0.01345	2.0063	mg/L	0.01345	0.67%
Ni 231.604	1095.3	0.0851	mg/L	0.00042	0.0851	mg/L	0.00042	0.49%
Sb 206.836	-1.8	-0.0071	mg/L	0.00861	-0.0071	mg/L	0.00861	121.89%
Tl 190.801	-7.9	-0.0011	mg/L	0.00113	-0.0011	mg/L	0.00113	104.73%
V 292.402	4471.0	0.0473	mg/L	0.00020	0.0473	mg/L	0.00020	0.42%
Ti 334.940	120204.7	0.1795	mg/L	0.00169	0.1795	mg/L	0.00169	0.94%
Ca 227.546	21660.8	143.34	mg/L	1.020	143.34	mg/L	1.020	0.71%

Sequence No.: 16 Autosampler Location: 54
Sample ID: D0529-01BMS,18177 Date Collected: 5/20/2005 2:18:25 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: D0529-01BMS,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	962521.1	36.308	mg/L	0.1867	36.308	mg/L	0.1867	0.51%
Cr 267.716	10148.4	0.2600	mg/L	0.00064	0.2600	mg/L	0.00064	0.25%
Cu 324.752	43389.1	0.3857	mg/L	0.00481	0.3857	mg/L	0.00481	1.25%
Fe 273.955	3322792.0	102.44	mg/L	0.540	102.44	mg/L	0.540	0.53%
Mg 279.077	803554.1	37.872	mg/L	0.2282	37.872	mg/L	0.2282	0.60%
Mn 257.610	1469488.5	3.1136	mg/L	0.00068	3.1136	mg/L	0.00068	0.02%
Ni 231.604	9199.4	0.6216	mg/L	0.00259	0.6216	mg/L	0.00259	0.42%
Sb 206.836	27.4	0.0429	mg/L	0.00339	0.0429	mg/L	0.00339	7.90%
Tl 190.801	15.2	0.0519	mg/L	0.00545	0.0519	mg/L	0.00545	10.49%
V 292.402	56341.7	0.5949	mg/L	0.00029	0.5949	mg/L	0.00029	0.05%
Ti 334.940	176676.8	0.2644	mg/L	0.00284	0.2644	mg/L	0.00284	1.07%
Ca 227.546	35641.4	237.13	mg/L	2.117	237.13	mg/L	2.117	0.89%

Sequence No.: 17 Autosampler Location: 55
Sample ID: D0529-01BSD,18177 Date Collected: 5/20/2005 2:21:37 PM
Analyst: Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: D0529-01BSD,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	218352.7	8.2339	mg/L	0.06856	8.2339	mg/L	0.06856	0.83%
Cr 267.716	500.4	0.0127	mg/L	0.00003	0.0127	mg/L	0.00003	0.20%
Cu 324.752	2612.1	0.0280	mg/L	0.00011	0.0280	mg/L	0.00011	0.40%
Fe 273.955	832948.0	25.685	mg/L	0.2700	25.685	mg/L	0.2700	1.05%
Mg 279.077	243662.4	11.487	mg/L	0.1160	11.487	mg/L	0.1160	1.01%
Mn 257.610	352059.2	0.7459	mg/L	0.00865	0.7459	mg/L	0.00865	1.16%
Ni 231.604	293.8	0.0229	mg/L	0.00038	0.0229	mg/L	0.00038	1.67%
Sb 206.836	3.9	0.0061	mg/L	0.00947	0.0061	mg/L	0.00947	154.28%
Tl 190.801	-4.6	-0.0053	mg/L	0.00541	-0.0053	mg/L	0.00541	102.18%
V 292.402	1511.5	0.0160	mg/L	0.00030	0.0160	mg/L	0.00030	1.90%
Ti 334.940	35599.2	0.0535	mg/L	0.00036	0.0535	mg/L	0.00036	0.68%
Ca 227.546	8162.0	54.256	mg/L	0.0114	54.256	mg/L	0.0114	0.02%

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Sequence No.: 18 Autosampler Location: 56
Sample ID: D0529-01BPDS,18177 Date Collected: 5/20/2005 2:24:44 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: D0529-01BPDS,18177

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	1023780.8	38.608	mg/L	0.2769	38.608	mg/L	0.2769	0.72%
Cr 267.716	3034.4	0.0771	mg/L	0.00017	0.0771	mg/L	0.00017	0.22%
Cu 324.752	18798.0	0.1843	mg/L	0.00084	0.1843	mg/L	0.00084	0.46%
Fe 273.955	3725603.9	114.88	mg/L	0.857	114.88	mg/L	0.857	0.75%
Mg 279.077	1084208.9	51.112	mg/L	0.3897	51.112	mg/L	0.3897	0.76%
Mn 257.610	1598088.6	3.3858	mg/L	0.02339	3.3858	mg/L	0.02339	0.69%
Ni 231.604	2525.2	0.1825	mg/L	0.00019	0.1825	mg/L	0.00019	0.10%
Sb 206.836	75.4	0.1327	mg/L ✓	0.00645	0.1327	mg/L	0.00645	4.86%
Tl 190.801	1.6	0.0254	mg/L	0.00836	0.0254	mg/L	0.00836	32.98%
V 292.402	17096.6	0.1805	mg/L	0.00099	0.1805	mg/L	0.00099	0.55%
Ti 334.940	161401.0	0.2429	mg/L	0.00033	0.2429	mg/L	0.00033	0.13%
Ca 227.546	39364.4	261.91	mg/L	0.528	261.91	mg/L	0.528	0.20%

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Sequence No.: 19 Autosampler Location: 57
Sample ID: MB-18176,18176 Date Collected: 5/20/2005 2:27:57 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: MB-18176,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	659.6	0.0249	mg/L	0.00116	0.0249	mg/L	0.00116	4.67%
Cr 267.716	5.5	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	12.10%
Cu 324.752	-20.1	-0.0002	mg/L	0.00012	-0.0002	mg/L	0.00012	75.36%
Fe 273.955	865.9	0.0267	mg/L	0.00072	0.0267	mg/L	0.00072	2.70%
Mg 279.077	73.3	0.0034	mg/L	0.00225	0.0034	mg/L	0.00225	65.13%
Mn 257.610	699.3	0.0015	mg/L	0.00007	0.0015	mg/L	0.00007	4.93%
Ni 231.604	3.6	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	12.05%
Sb 206.836	1.9	0.0035	mg/L	0.00047	0.0035	mg/L	0.00047	13.39%
Tl 190.801	-6.9	-0.0153	mg/L	0.01173	-0.0153	mg/L	0.01173	76.55%
V 292.402	-29.0	-0.0003	mg/L	0.00055	-0.0003	mg/L	0.00055	178.65%
Ti 334.940	135.8	0.0002	mg/L	0.00000	0.0002	mg/L	0.00000	1.89%
Ca 227.546	38.8	0.2605	mg/L	0.10476	0.2605	mg/L	0.10476	40.21%

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Sequence No.: 20 Autosampler Location: 3
Sample ID: CCV Date Collected: 5/20/2005 2:31:03 PM

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	281882.6	10.695	mg/L	0.0327	10.695	mg/L	0.0327	0.31%
Cr 267.716	43724.0	1.1230	mg/L	0.00510	1.1230	mg/L	0.00510	0.45%
Cu 324.752	146313.7	1.2180	mg/L	0.00820	1.2180	mg/L	0.00820	0.67%
Fe 273.955	179440.3	5.4498	mg/L	0.01930	5.4498	mg/L	0.01930	0.35%
Mg 279.077	579556.5	27.364	mg/L	0.3059	27.364	mg/L	0.3059	1.12%
Mn 257.610	1256788.7	2.6632	mg/L	0.03102	2.6632	mg/L	0.03102	1.16%
Ni 231.604	41961.8	2.7721	mg/L	0.00328	2.7721	mg/L	0.00328	0.12%
Sb 206.836	298.5	0.5297	mg/L	0.00844	0.5297	mg/L	0.00844	1.59%
Tl 190.801	226.7	0.5036	mg/L	0.00428	0.5036	mg/L	0.00428	0.85%
V 292.402	258670.8	2.7310	mg/L	0.02419	2.7310	mg/L	0.02419	0.89%
Ti 334.940	249.4	0.0008	mg/L	0.00006	0.0008	mg/L	0.00006	7.43%
Ca 227.546	3972.0	26.276	mg/L	0.0025	26.276	mg/L	0.0025	0.01%

Sequence No.: 21
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/20/2005 2:34:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	539.8	0.0204	mg/L	0.00241	0.0204	mg/L	0.00241	11.84%
Cr 267.716	6.0	0.0002	mg/L	0.00028	0.0002	mg/L	0.00028	184.07%
Cu 324.752	-11.8	-0.0001	mg/L	0.00017	-0.0001	mg/L	0.00017	175.76%
Fe 273.955	124.3	0.0038	mg/L	0.00197	0.0038	mg/L	0.00197	51.51%
Mg 279.077	-58.2	-0.0027	mg/L	0.00068	-0.0027	mg/L	0.00068	24.76%
Mn 257.610	90.5	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	9.75%
Ni 231.604	3.8	0.0003	mg/L	0.00013	0.0003	mg/L	0.00013	52.69%
Sb 206.836	3.1	0.0057	mg/L	0.00240	0.0057	mg/L	0.00240	42.14%
Tl 190.801	-4.4	-0.0099	mg/L	0.00416	-0.0099	mg/L	0.00416	41.99%
V 292.402	1.4	0.0000	mg/L	0.00018	0.0000	mg/L	0.00018	>999.9%
Ti 334.940	-20.4	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	168.52%
Ca 227.546	11.9	0.0803	mg/L	0.04614	0.0803	mg/L	0.04614	57.45%

Sequence No.: 22
Sample ID: LCS-18176,18176
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 5/20/2005 2:37:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-18176,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	260886.0	9.8974	mg/L	0.06032	9.8974	mg/L	0.06032	0.61%
Cr 267.716	40311.6	1.0354	mg/L	0.00533	1.0354	mg/L	0.00533	0.51%
Cu 324.752	136835.7	1.1391	mg/L	0.00461	1.1391	mg/L	0.00461	0.40%
Fe 273.955	167015.3	5.0739	mg/L	0.03346	5.0739	mg/L	0.03346	0.66%
Mg 279.077	549952.6	25.966	mg/L	0.3594	25.966	mg/L	0.3594	1.38%
Mn 257.610	1189803.8	2.5212	mg/L	0.04072	2.5212	mg/L	0.04072	1.62%
Ni 231.604	39276.2	2.5947	mg/L	0.01414	2.5947	mg/L	0.01414	0.55%
Sb 206.836	300.0	0.5336	mg/L	0.01051	0.5336	mg/L	0.01051	1.97%
Tl 190.801	212.8	0.4730	mg/L	0.00709	0.4730	mg/L	0.00709	1.50%
V 292.402	236250.7	2.4943	mg/L	0.01002	2.4943	mg/L	0.01002	0.40%
Ti 334.940	-100.4	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	21.55%
Ca 227.546	3681.2	24.353	mg/L	0.0414	24.353	mg/L	0.0414	0.17%

Sequence No.: 23

Autosampler Location: 59

Sample ID: D0529-03D,18176
Analyst:
Initial Sample Wt:
Dilution:
Date Collected: 5/20/2005 2:40:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-03D,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	637.0	0.0240	mg/L	0.00445	0.0240	mg/L	0.00445	18.54%
Cr 267.716	14.5	0.0004	mg/L	0.00003	0.0004	mg/L	0.00003	9.01%
Cu 324.752	67.6	0.0006	mg/L	0.00026	0.0006	mg/L	0.00026	45.59%
Fe 273.955	532.1	0.0164	mg/L	0.00160	0.0164	mg/L	0.00160	9.73%
Mg 279.077	163.6	0.0077	mg/L	0.00358	0.0077	mg/L	0.00358	46.45%
Mn 257.610	804.2	0.0017	mg/L	0.00003	0.0017	mg/L	0.00003	1.95%
Ni 231.604	2.8	0.0002	mg/L	0.00029	0.0002	mg/L	0.00029	151.81%
Sb 206.836	1.4	0.0025	mg/L	0.00193	0.0025	mg/L	0.00193	76.02%
Tl 190.801	-3.0	-0.0066	mg/L	0.00449	-0.0066	mg/L	0.00449	68.05%
V 292.402	0.7	0.0000	mg/L	0.00022	0.0000	mg/L	0.00022	>999.9%
Ti 334.940	101.3	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	41.12%
Ca 227.546	50.3	0.3381	mg/L	0.04479	0.3381	mg/L	0.04479	13.25%

Sequence No.: 24
Sample ID: D0529-03DSD,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 60
Date Collected: 5/20/2005 2:43:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0529-03DSD,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	1382.8	0.0521	mg/L	0.00055	0.0521	mg/L	0.00055	1.06%
Cr 267.716	-1.9	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	94.00%
Cu 324.752	-28.0	-0.0002	mg/L	0.00063	-0.0002	mg/L	0.00063	273.16%
Fe 273.955	150.7	0.0047	mg/L	0.00107	0.0047	mg/L	0.00107	22.94%
Mg 279.077	91.5	0.0043	mg/L	0.00230	0.0043	mg/L	0.00230	53.23%
Mn 257.610	175.0	0.0004	mg/L	0.00016	0.0004	mg/L	0.00016	43.44%
Ni 231.604	-0.8	-0.0001	mg/L	0.00020	-0.0001	mg/L	0.00020	373.10%
Sb 206.836	-1.2	-0.0022	mg/L	0.00121	-0.0022	mg/L	0.00121	56.11%
Tl 190.801	-3.9	-0.0087	mg/L	0.00029	-0.0087	mg/L	0.00029	3.38%
V 292.402	-17.8	-0.0002	mg/L	0.00033	-0.0002	mg/L	0.00033	173.16%
Ti 334.940	29.4	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	82.07%
Ca 227.546	13.7	0.0922	mg/L	0.02821	0.0922	mg/L	0.02821	30.59%

Sequence No.: 25
Sample ID: D0565-01C,18176
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 61
Date Collected: 5/20/2005 2:46:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0565-01C,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Al 308.215	1104.8	0.0417	mg/L	0.00379	0.0417	mg/L	0.00379	9.09%
Cr 267.716	27.7	0.0003	mg/L	0.00005	0.0003	mg/L	0.00005	17.34%
Cu 324.752	262.9	0.0022	mg/L	0.00010	0.0022	mg/L	0.00010	4.51%
Fe 273.955	4728.6	0.1458	mg/L	0.00146	0.1458	mg/L	0.00146	1.00%
Mg 279.077	88212.5	4.1684	mg/L	0.00246	4.1684	mg/L	0.00246	0.06%
Mn 257.610	612780.6	1.2987	mg/L	0.00005	1.2987	mg/L	0.00005	0.00%
Ni 231.604	14.0	0.0008	mg/L	0.00023	0.0008	mg/L	0.00023	29.00%
Sb 206.836	1.0	0.0020	mg/L	0.00253	0.0020	mg/L	0.00253	126.89%
Tl 190.801	-2.9	-0.0035	mg/L	0.00269	-0.0035	mg/L	0.00269	77.74%
V 292.402	-0.5	0.0001	mg/L	0.00051	0.0001	mg/L	0.00051	756.96%
Ti 334.940	-496.7	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	94.55%
Ca 227.546	3395.8	22.855	mg/L	0.1931	22.855	mg/L	0.1931	0.84%

Sequence No.: 26
Sample ID: D0565-01CSD,18176
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 5/20/2005 2:49:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0565-01CSD,18176

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Al 308.215	743.7	0.0280	mg/L	0.00237	0.0280	mg/L	0.00237	8.45%
Cr 267.716	5.5	0.0001	mg/L	0.00021	0.0001	mg/L	0.00021	363.03%
Cu 324.752	11.4	0.0001	mg/L	0.00081	0.0001	mg/L	0.00081	760.35%
Fe 273.955	1146.0	0.0353	mg/L	0.00024	0.0353	mg/L	0.00024	0.67%
Mg 279.077	18164.7	0.8584	mg/L	0.00115	0.8584	mg/L	0.00115	0.13%
Mn 257.610	127049.5	0.2693	mg/L	0.00026	0.2693	mg/L	0.00026	0.10%
Ni 231.604	2.6	0.0002	mg/L	0.00020	0.0002	mg/L	0.00020	127.54%
Sb 206.836	0.3	0.0005	mg/L	0.00568	0.0005	mg/L	0.00568	>999.9%
Tl 190.801	-5.7	-0.0120	mg/L	0.00239	-0.0120	mg/L	0.00239	19.87%
V 292.402	10.8	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	58.64%
Ti 334.940	-171.8	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	25.45%
Ca 227.546	671.1	4.5166	mg/L	0.07947	4.5166	mg/L	0.07947	1.76%

Sequence No.: 27
Sample ID: CRI
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/20/2005 2:53:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Al 308.215	418.2	0.0184	mg/L	0.00130	0.0184	mg/L	0.00130	7.05%
Cr 267.716	902.6	0.0232	mg/L	0.00013	0.0232	mg/L	0.00013	0.54%
Cu 324.752	6131.3	0.0510	mg/L	0.00042	0.0510	mg/L	0.00042	0.82%
Fe 273.955	262.8	0.0047	mg/L	0.00047	0.0047	mg/L	0.00047	10.04%
Mg 279.077	-27.3	-0.0012	mg/L	0.00327	-0.0012	mg/L	0.00327	278.70%
Mn 257.610	16863.8	0.0357	mg/L	0.00006	0.0357	mg/L	0.00006	0.18%
Ni 231.604	1460.2	0.0964	mg/L	0.00031	0.0964	mg/L	0.00031	0.33%
Sb 206.836	71.6	0.1304	mg/L	0.00111	0.1304	mg/L	0.00111	0.85%
Tl 190.801	4.6	0.0100	mg/L	0.00418	0.0100	mg/L	0.00418	41.95%
V 292.402	10458.9	0.1104	mg/L	0.00113	0.1104	mg/L	0.00113	1.03%
Ti 334.940	-35.7	-0.0001	mg/L	0.00009	-0.0001	mg/L	0.00009	167.17%
Ca 227.546	22.8	0.1416	mg/L	0.02649	0.1416	mg/L	0.02649	18.71%

Sequence No.: 28
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/20/2005 2:56:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Al 308.215	12720010.9	479.64	mg/L	1.591	479.64	mg/L	1.591	0.33%
Cr 267.716	-91.1	-0.0025	mg/L	0.00004	-0.0025	mg/L	0.00004	1.52%
Cu 324.752	-6523.0	-0.0224	mg/L	0.00019	-0.0224	mg/L	0.00019	0.85%
Fe 273.955	5912855.4	182.33	mg/L	0.557	182.33	mg/L	0.557	0.31%
Mg 279.077	9941971.7	469.19	mg/L	1.168	469.19	mg/L	1.168	0.25%
Mn 257.610	4217.4	-0.0022	mg/L	0.00014	-0.0022	mg/L	0.00014	6.22%
Saturated outside survey window (code 6)								
Ni 231.604	56.2	0.0287	mg/L	0.00010	0.0287	mg/L	0.00010	0.34%
Sb 206.836	-0.5	-0.0076	mg/L	0.01296	-0.0076	mg/L	0.01296	171.65%
Tl 190.801	-11.6	0.0025	mg/L	0.00035	0.0025	mg/L	0.00035	13.91%
V 292.402	200.6	0.0021	mg/L	0.00000	0.0021	mg/L	0.00000	0.18%
Ti 334.940	-9618.0	0.0001	mg/L	0.00013	0.0001	mg/L	0.00013	93.21%
Ca 227.546	74889.0	499.22	mg/L	0.843	499.22	mg/L	0.843	0.17%

Sequence No.: 29
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/20/2005 2:59:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	12779416.5	481.89	mg/L	1.172	481.89	mg/L	1.172	0.24%
Cr 267.716	18876.9	0.4846	mg/L	0.00375	0.4846	mg/L	0.00375	0.77%
Cu 324.752	50794.7	0.4545	mg/L	0.00211	0.4545	mg/L	0.00211	0.46%
Fe 273.955	5961277.6	183.81	mg/L	0.575	183.81	mg/L	0.575	0.31%
Mg 279.077	10008461.0	472.33	mg/L	1.672	472.33	mg/L	1.672	0.35%
Mn 257.610	229637.6	0.4755	mg/L	0.00017	0.4755	mg/L	0.00017	0.04%
Saturated outside survey window (code 6)								
Ni 231.604	13613.3	0.9243	mg/L	0.00224	0.9243	mg/L	0.00224	0.24%
Sb 206.836	346.9	0.6194	mg/L	0.00233	0.6194	mg/L	0.00233	0.38%
Tl 190.801	21.9	0.0769	mg/L	0.00358	0.0769	mg/L	0.00358	4.65%
V 292.402	46124.4	0.4877	mg/L	0.00183	0.4877	mg/L	0.00183	0.38%
Ti 334.940	-9739.0	-0.0002	mg/L	0.00006	-0.0002	mg/L	0.00006	35.58%
Ca 227.546	75035.0	500.09	mg/L	0.334	500.09	mg/L	0.334	0.07%

Sequence No.: 30
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/20/2005 3:02:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	285679.1	10.839	mg/L	0.1037	10.839	mg/L	0.1037	0.96%
Cr 267.716	44219.9	1.1358	mg/L	0.00991	1.1358	mg/L	0.00991	0.87%
Cu 324.752	151450.6	1.2607	mg/L	0.01607	1.2607	mg/L	0.01607	1.27%
Fe 273.955	183030.4	5.5593	mg/L	0.06471	5.5593	mg/L	0.06471	1.16%
Mg 279.077	594049.5	28.048	mg/L	0.2737	28.048	mg/L	0.2737	0.98%
Mn 257.610	1293672.8	2.7413	mg/L	0.02226	2.7413	mg/L	0.02226	0.81%
Ni 231.604	42687.9	2.8201	mg/L	0.03601	2.8201	mg/L	0.03601	1.28%
Sb 206.836	302.1	0.5360	mg/L	0.00439	0.5360	mg/L	0.00439	0.82%
Tl 190.801	232.8	0.5172	mg/L	0.00088	0.5172	mg/L	0.00088	0.17%
V 292.402	262329.4	2.7696	mg/L	0.03362	2.7696	mg/L	0.03362	1.21%
Ti 334.940	332.0	0.0009	mg/L	0.00005	0.0009	mg/L	0.00005	5.37%
Ca 227.546	3978.9	26.314	mg/L	0.1005	26.314	mg/L	0.1005	0.38%

Sequence No.: 31
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/20/2005 3:05:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Al 308.215	522.4	0.0197	mg/L	0.00497	0.0197	mg/L	0.00497	25.20%
Cr 267.716	7.9	0.0002	mg/L	0.00000	0.0002	mg/L	0.00000	0.29%
Cu 324.752	11.1	0.0001	mg/L	0.00043	0.0001	mg/L	0.00043	458.42%
Fe 273.955	151.4	0.0047	mg/L	0.00132	0.0047	mg/L	0.00132	28.46%
Mg 279.077	84.0	0.0040	mg/L	0.00618	0.0040	mg/L	0.00618	155.98%
Mn 257.610	81.2	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	12.15%
Ni 231.604	2.3	0.0002	mg/L	0.00037	0.0002	mg/L	0.00037	238.39%
Sb 206.836	1.9	0.0035	mg/L	0.00078	0.0035	mg/L	0.00078	22.07%
Tl 190.801	-4.4	-0.0097	mg/L	0.00831	-0.0097	mg/L	0.00831	85.35%
V 292.402	47.6	0.0005	mg/L	0.00020	0.0005	mg/L	0.00020	39.01%

Ti 334.940	-33.9	0.0000 mg/L	0.00017	0.0000 mg/L	0.00017	358.50%
Ca 227.546	6.7	0.0450 mg/L	0.03990	0.0450 mg/L	0.03990	88.62%

Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 05/18/2005
Sample ID: S5.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.1106	0.5427	0.1109	03:20:30	Yes
2			0.1100	0.5419	0.1102	03:20:59	Yes
Mean:			0.1103				
SD :			0.0005				
%RSD:			0.4232				

[Hg] Standard number 4 applied. [5.00]
Correlation Coefficient: 0.99930 Slope: 0.02230

Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 05/18/2005
Sample ID: S10.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.2408	1.2057	0.2411	03:21:50	Yes
2			-0.0003	-0.0113	-0.0001	03:22:20	Yes
Mean:			0.1202				
SD :			0.1705				
%RSD:			141.8229				

[Hg] Standard number 5 applied. [10.00]
Correlation Coefficient: 0.91142 Slope: 0.01570

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
S0	0.0002	--	----	----	----
S0.2	0.0038	0.20	0.24	0.000	6.6
S1.0	0.0227	1.00	1.44	0.000	----
S2.0	0.0473	2.00	3.01	0.000	----
S5.0	0.1103	5.00	7.03	0.000	0.4
S10.0	0.1202	10.00	7.66	0.171	141.8

Correlation Coefficient: 0.91142 Slope: 0.01570 ----

Element: Hg Seq. No.: 7 AS Loc.: 7 Date: 05/18/2005
Sample ID: ICV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.99	2.99	0.0470	0.2350	0.0472	03:23:10	Yes

Method Name: Mercury-ILM
Method Description: Mercury
Element: Hg

D0529
D0565
ok for Hg. QW 5/18/05
ILM41-Hg
FIMS-050519

Date: 05/18/2005
Technique:FI-MHS
Calibration Type:
Hg, Zero Intercept: Linear
Wavelength: 253.7 nm
Sample Info Name: QW.SIF Results Data Set Name: HY0505182

Element: Hg Seq. No.: 1 AS Loc.: 1 Date: 05/18/2005
Sample ID: S0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1		0.0000	0.0001	0.0000	03:25:24 Yes
2		0.0000	0.0001	0.0000	03:25:53 Yes
Mean:		0.0000			
SD :		0.0000			
%RSD:		11.8929			

Auto-zero performed.

==========

Element: Hg Seq. No.: 2 AS Loc.: 2 Date: 05/18/2005
Sample ID: S0.2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0052	0.0221	0.0052	03:26:43	Yes
2			0.0052	0.0227	0.0053	03:27:13	Yes
Mean:			0.0052				
SD :			0.0001				
%RSD:			1.1523				

[Hg] Standard number 1 applied. [0.20]
Correlation Coefficient: 1.00000 Slope: 0.02598

==========

Element: Hg Seq. No.: 3 AS Loc.: 3 Date: 05/18/2005
Sample ID: S1.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0229	0.1105	0.0230	03:28:04	Yes
2			0.0228	0.1102	0.0229	03:28:33	Yes
Mean:			0.0229				
SD :			0.0001				
%RSD:			0.3841				

[Hg] Standard number 2 applied. [1.00]
Correlation Coefficient: 0.99891 Slope: 0.02302

==========

Element: Hg Seq. No.: 4 AS Loc.: 4 Date: 05/18/2005
Sample ID: S2.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0474	0.2320	0.0474	03:29:24	Yes
2			0.0475	0.2323	0.0475	03:29:53	Yes
Mean:			0.0474				
SD :			0.0001				
%RSD:			0.1821				

[Hg] Standard number 3 applied. [2.00]
Correlation Coefficient: 0.99957 Slope: 0.02357

==========

Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 05/18/2005
Sample ID: S5.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.1113	0.5431	0.1114	03:30:44	Yes
2			0.1107	0.5405	0.1108	03:31:13	Yes
Mean:			0.1110				
SD :			0.0004				
%RSD:			0.3925				

[Hg] Standard number 4 applied. [5.00]
Correlation Coefficient: 0.99936 Slope: 0.02245

==========

Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 05/18/2005
Sample ID: S10.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.2412	1.1982	0.2412	03:32:04	Yes
2			0.2412	1.1934	0.2412	03:32:33	Yes
Mean:			0.2412				
SD :			0.0000				
%RSD:							

[Hg] Standard number 5 applied. [10.00]
Correlation Coefficient: 0.99897 Slope: 0.02375

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
S0	0.0000	--	----	----	----
S0.2	0.0052	0.20	0.22	0.000	1.2
S1.0	0.0229	1.00	0.96	0.000	0.4
S2.0	0.0474	2.00	2.00	0.000	0.2
S5.0	0.1110	5.00	4.67	0.000	0.4
S10.0	0.2412	10.00	10.15	0.000	----

Correlation Coefficient: 0.99897 Slope: 0.02375 ----

==========

Element: Hg Seq. No.: 7 AS Loc.: 7 Date: 05/18/2005
Sample ID: ICV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.04	2.04	0.0485	0.2319	0.0485	03:33:23	Yes
2	2.03	2.03	0.0482	0.2311	0.0482	03:33:52	Yes
Mean:	2.03	2.03	0.0483				
SD :	0.008	0.008	0.0002				
%RSD:	0.4	0.4	0.4028				

QC value within specified limits.

==========

Element: Hg Seq. No.: 8 AS Loc.: 1 Date: 05/18/2005
Sample ID: ICB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0000	0.0002	0.0001	03:34:44	Yes
2	0.00	0.00	0.0001	0.0004	0.0001	03:35:13	Yes
Mean:	0.00	0.00	0.0000				
SD :	0.002	0.002	0.0000				
%RSD:	84.2	84.2	84.2059				

QC value within specified limits.

==========

Element: Hg Seq. No.: 9 AS Loc.: 9 Date: 05/18/2005
Sample ID: CRA

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.22	0.22	0.0051	0.0251	0.0051	03:36:03	Yes
2	0.21	0.21	0.0051	0.0247	0.0051	03:36:33	Yes
Mean:	0.21	0.21	0.0051				
SD :	0.001	0.001	0.0000				
%RSD:	0.3	0.3	0.2660				

==========

Element: Hg Seq. No.: 10 AS Loc.: 10 Date: 05/18/2005
Sample ID: CCV

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Time	Peak

#	µg/L	µg/L	Signal	Area	Height		Stored
1	4.69	4.69	0.1113	0.5460	0.1114	03:37:22	Yes
2	4.68	4.68	0.1111	0.5438	0.1111	03:37:52	Yes
Mean:	4.68	4.68	0.1112				
SD :	0.009	0.009	0.0002				
%RSD:	0.2	0.2	0.1816				

Element: Hg Seq. No.: 11 AS Loc.: 11 Date: 05/18/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0000	-0.0005	0.0000	03:38:42	Yes
2	0.00	0.00	0.0000	-0.0002	0.0000	03:39:11	Yes
Mean:	0.00	0.00	0.0000				
SD :	0.001	0.001	0.0000				
%RSD:	136.4	136.4	136.3836				

Element: Hg Seq. No.: 12 AS Loc.: 12 Date: 05/18/2005
Sample ID: MB-18173

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0000	0.0007	0.0001	03:40:01	Yes
2	0.00	0.00	0.0000	-0.0003	0.0000	03:40:30	Yes
Mean:	0.00	0.00	0.0000				
SD :	0.002	0.002	0.0000				
%RSD:	716.0	716.0	715.9548				

Element: Hg Seq. No.: 13 AS Loc.: 13 Date: 05/18/2005 132ml
Sample ID: D0529-03D

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	-0.0001	-0.0006	0.0000	03:41:20	Yes
2	0.00	0.00	0.0000	-0.0008	0.0000	03:41:50	Yes
Mean:	0.00	0.00	0.0000				
SD :	0.001	0.001	0.0000				
%RSD:	46.1	46.1	46.1020				

Element: Hg Seq. No.: 14 AS Loc.: 14 Date: 05/18/2005 134ml
Sample ID: D0565-01C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0001	0.0011	0.0001	03:42:40	Yes
2	0.00	0.00	0.0000	-0.0001	0.0000	03:43:09	Yes
Mean:	0.00	0.00	0.0000				
SD :	0.003	0.003	0.0001				
%RSD:	164.5	164.5	164.4561				

Element: Hg Seq. No.: 15 AS Loc.: 15 Date: 05/18/2005 132ml
Sample ID: D0565-01CDUP

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0000	-0.0003	0.0000	03:43:59	Yes
2	0.00	0.00	0.0001	0.0010	0.0001	03:44:28	Yes
Mean:	0.00	0.00	0.0000				
SD :	0.003	0.003	0.0001				
%RSD:	260.0	260.0	260.0476				

0880

Element: Hg Seq. No.: 16 AS Loc.: 16 Date: 05/18/2005
Sample ID: D0565-01CMS 13 2 m l

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.77	0.77	0.0183	0.0876	0.0183	03:45:18	Yes
2	0.76	0.76	0.0180	0.0860	0.0180	03:45:47	Yes
Mean:	0.76	0.76	0.0181				
SD :	0.008	0.008	0.0002				
%RSD:	1.0	1.0	1.0031				

Element: Hg Seq. No.: 17 AS Loc.: 7 Date: 05/18/2005
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.62	4.62	0.1098	0.5406	0.1099	03:46:38	Yes
2	4.62	4.62	0.1098	0.5380	0.1098	03:47:08	Yes
Mean:	4.62	4.62	0.1098				
SD :	0.001	0.001	0.0000				
%RSD:							

QC value within specified limits.

Element: Hg Seq. No.: 18 AS Loc.: 1 Date: 05/18/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0000	-0.0007	0.0000	03:48:01	Yes
2	0.00	0.00	0.0001	-0.0001	0.0001	03:48:30	Yes
Mean:	0.00	0.00	0.0000				
SD :	0.002	0.002	0.0001				
%RSD:	326.7	326.7	326.7423				

QC value within specified limits.

Element: Hg Seq. No.: 19 AS Loc.: 17 Date: 05/18/2005
Sample ID: MB-18174

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0001	0.0008	0.0001	03:49:20	Yes
2	0.00	0.00	0.0001	0.0008	0.0001	03:49:49	Yes
Mean:	0.00	0.00	0.0001				
SD :	0.001	0.001	0.0000				
%RSD:	32.8	32.8	32.8282				

Element: Hg Seq. No.: 20 AS Loc.: 18 Date: 05/18/2005
Sample ID: LCS-18174

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	19.65	19.65	0.4667	2.3362	0.4667	03:50:39	Yes
Sample absorbance is greater than that of the highest standard.							
2	19.66	19.66	0.4670	2.3362	0.4671	03:51:08	Yes
Sample absorbance is greater than that of the highest standard.							
Mean:	19.65	19.65	0.4669				
SD :	0.009	0.009	0.0002				
%RSD:							

QW 5/18/05

Sample absorbance is greater than that of the highest standard.

Element: Hg Seq. No.: 21 AS Loc.: 19 Date: 05/18/2005

Sample ID: D0523-01A 0.2g

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.02	0.02	0.0004	0.0016	0.0005	03:51:58	Yes
2	0.03	0.03	0.0007	0.0038	0.0007	03:52:27	Yes
Mean:	0.02	0.02	0.0006				
SD :	0.008	0.008	0.0002				
%RSD:	33.3	33.3	33.2579				

Element: Hg Seq. No.: 22 AS Loc.: 20 Date: 05/18/2005
Sample ID: D0529-01B 0.2g

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01	0.01	0.0003	0.0026	0.0003	03:53:17	Yes
2	0.01	0.01	0.0002	0.0016	0.0002	03:53:46	Yes
Mean:	0.01	0.01	0.0002				
SD :	0.002	0.002	0.0001				
%RSD:	23.8	23.8	23.8369				

Element: Hg Seq. No.: 23 AS Loc.: 21 Date: 05/18/2005
Sample ID: D0529-01BDUP 0.2g

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01	0.01	0.0002	0.0014	0.0003	03:54:36	Yes
2	0.01	0.01	0.0002	0.0009	0.0002	03:55:06	Yes
Mean:	0.01	0.01	0.0002				
SD :	0.002	0.002	0.0000				
%RSD:	21.9	21.9	21.9244				

Element: Hg Seq. No.: 24 AS Loc.: 22 Date: 05/18/2005
Sample ID: D0529-01BMS 0.2g

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.02	2.02	0.0479	0.2303	0.0479	03:55:56	Yes
2	2.04	2.04	0.0484	0.2314	0.0484	03:56:26	Yes
Mean:	2.03	2.03	0.0481				
SD :	0.015	0.015	0.0003				
%RSD:	0.7	0.7	0.7265				

Element: Hg Seq. No.: 25 AS Loc.: 23 Date: 05/18/2005
Sample ID: ~~BLK~~ LCS-18174 x10 dilution 0.2g

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.25	2.25	0.0535	0.2524	0.0536	03:57:16	Yes
2	2.23	2.23	0.0530	0.2510	0.0531	03:57:45	Yes
Mean:	2.24	2.24	0.0533				
SD :	0.015	0.015	0.0004				
%RSD:	0.7	0.7	0.6610				

Element: Hg Seq. No.: 26 AS Loc.: 24 Date: 05/18/2005
Sample ID: BLK

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0000	-0.0001	0.0000	03:58:35	Yes
2	0.00	0.00	0.0000	0.0003	0.0001	03:59:04	Yes
Mean:	0.00	0.00	0.0000				

SD :	0.001	0.001	0.0000
%RSD:	129.1	129.1	129.1031

Element: Hg Seq. No.: 27 AS Loc.: 7 Date: 05/18/2005
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.69	4.69	0.1114	0.5446	0.1114	03:59:55	Yes
2	4.69	4.69	0.1114	0.5440	0.1114	04:00:24	Yes
Mean:	4.69	4.69	0.1114				
SD :	0.000	0.000	0.0000				
%RSD:							

QC value within specified limits.

Element: Hg Seq. No.: 28 AS Loc.: 1 Date: 05/18/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0001	0.0000	0.0001	04:01:16	Yes
2	0.01	0.01	0.0002	0.0014	0.0002	04:01:46	Yes
Mean:	0.01	0.01	0.0001				
SD :	0.004	0.004	0.0001				
%RSD:	68.6	68.6	68.5936				

QC value within specified limits.

D0529-01, D0523-01 (ILM4-CN.S), D0536 1-3, D0537-1-12 (SW9012.S) OK JP 5/13/05

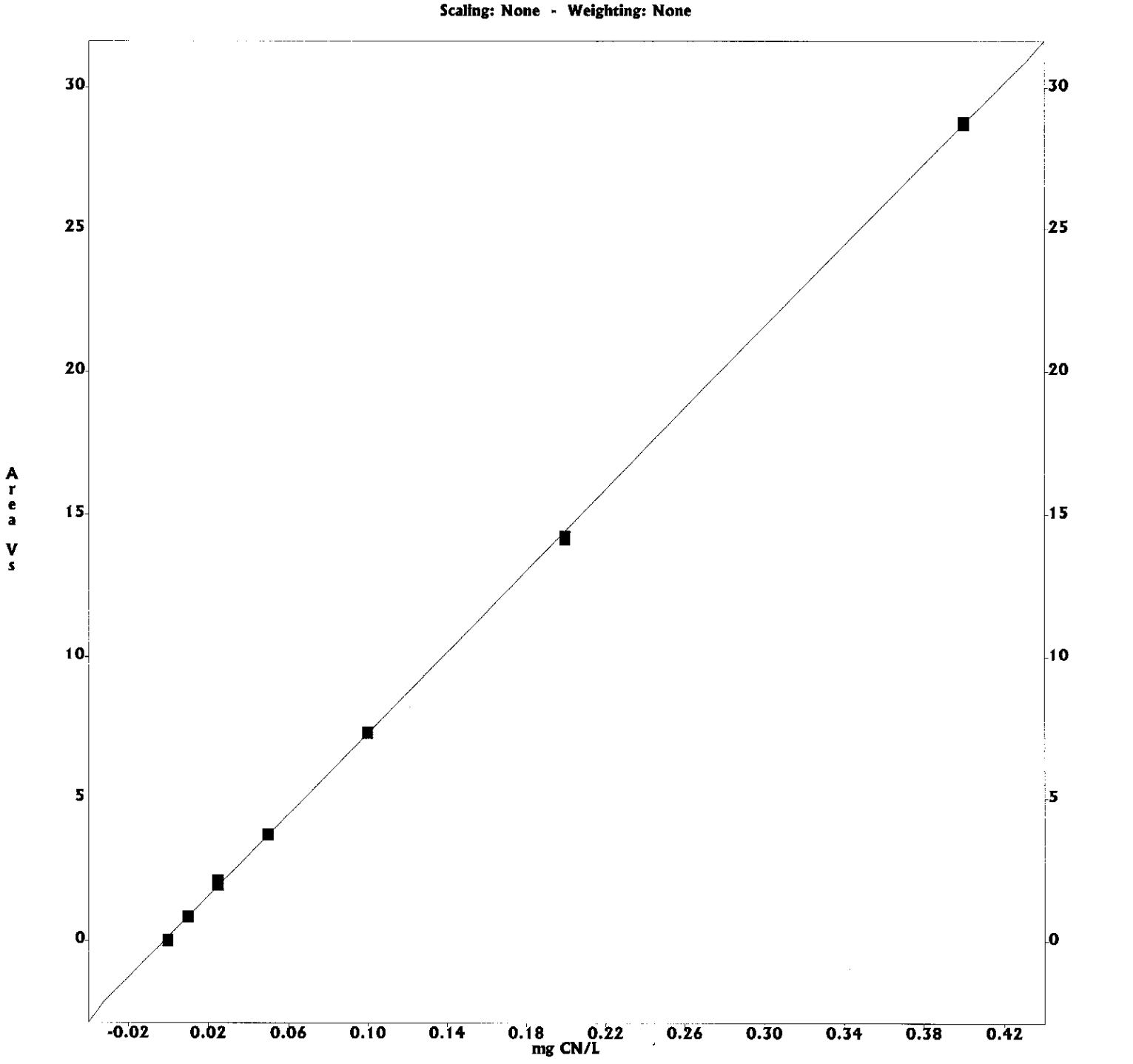
Lachat1-050513A (9012)

Lachat1_050613B (ILM4.1)

CN

Lvl	Area	mg CN/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	4238	0.000	4238	54481				35527.1	121.0	
2	881897	0.010	881897	851578				21439.1	2.5	-1.6
3	2141675	0.025	2141675	1959739				128648.4	6.3	-11.2
4	3771188	0.050	3771188	3731539				28036.4	0.7	-1.3
5	7304528	0.100	7304528	7360875				39843.3	0.5	-0.1
6	14256975	0.200	14256975	14116125				99596.0	0.7	1.3
7	28780656	0.400	28780656	28694570				60872.0	0.2	-0.2

1st Order Poly
Conc = 1.401e-008 Area - 2.189e-003
r = 0.9999



Printed: Friday, May 13, 2005 - 01:45 PM

OPERATOR: rsmith
ACQ. TIME: May 13, 2005 11:41:55
DATA FILENAME: C:\OMNION\DATA\CN\MAY05\C051305A.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\MAY05\C051305A.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\MAY05\C051305A.TRA

TRAY DESCRIPTION:
Created: May 13, 2005 10:37:55
Modified: May 13, 2005 11:41:16
ANALYSIS: CYANIDE ANALYST: SN
DATA DESCRIPTION:
Created: May 13, 2005 11:41:55
Modified: May 13, 2005 11:41:55

Multi-Channel Table
Type: Calibration Standards
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (uv-s)	Man Dil Factor	Weight	Unit
7	S0	13 May 2005	11:42:17	2	29359.1501	1.0	1.00000	g
8	S0.01	13 May 2005	11:44:49	2	866737.2500	1.0	1.00000	g
9	S0.025	13 May 2005	11:47:21	2	2050706.8125	1.0	1.00000	g
10	S0.05	13 May 2005	11:49:53	2	3751363.2500	1.0	1.00000	g
11	S0.10	13 May 2005	11:52:24	2	7332701.0000	1.0	1.00000	g
12	S0.20	13 May 2005	11:54:55	2	4186550.0000	1.0	1.00000	g
13	S0.40	13 May 2005	11:57:27	2	8737613.0000	1.0	1.00000	g

OPERATOR: rsmith
ACQ. TIME: May 13, 2005 11:41:55
DATA FILENAME: C:\OMNION\DATA\CN\MAY05\C051305A.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\MAY05\C051305A.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\MAY05\C051305A.TRA

TRAY DESCRIPTION:
Created: May 13, 2005 10:37:55
Modified: May 13, 2005 11:41:16
ANALYSIS: CYANIDE ANALYST: SN
DATA DESCRIPTION:
Created: May 13, 2005 11:41:55
Modified: May 13, 2005 11:41:55

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg CN/L)	Man Dil Factor	Weight	Unit
1	ICV	13 May 2005	12:00:53	2	0.2715	1.0	1.00000	g 109%
2	ICB	13 May 2005	12:03:24	2	-0.0021	1.0	1.00000	g
3	CRA	13 May 2005	12:05:55	2	0.0092	1.0	1.00000	g 92%
4	CCV	13 May 2005	12:08:27	2	0.2230	1.0	1.00000	g 112%
5	CCB	13 May 2005	12:10:59	2	-0.0021	1.0	1.00000	g
6	STD@0.1	13 May 2005	12:13:30	2	0.0905	1.0	1.00000	g 91%
7	STD@0.2	13 May 2005	12:16:02	2	0.1862	1.0	1.00000	g 93%
8	MB-18105	13 May 2005	12:18:33	2	-0.0019	1.0	1.00000	g
9	LCS-18105	13 May 2005	12:21:04	2	0.0980	1.0	1.00000	g 98%
10	CCV	13 May 2005	12:23:36	2	0.2245	1.0	1.00000	g 112%
11	CCB	13 May 2005	12:26:08	2	-0.0061	1.0	1.00000	g
12	D0537-01B	13 May 2005	12:28:38	2	-0.0016	1.0	1.00000	g
13	D0537-01BDUP	13 May 2005	12:31:09	2	-0.0011	1.0	1.00000	g
14	D0537-01BMS	13 May 2005	12:33:41	2	0.1172	1.0	1.00000	g 118%
15	D0537-02B	13 May 2005	12:36:12	2	-0.0021	1.0	1.00000	g
16	D0537-03B	13 May 2005	12:38:44	2	-0.0026	1.0	1.00000	g
17	D0537-04B	13 May 2005	12:41:15	2	-0.0008	1.0	1.00000	g
18	D0537-05B	13 May 2005	12:43:45	2	0.0047	1.0	1.00000	g
19	D0537-06B	13 May 2005	12:46:17	2	0.0004	1.0	1.00000	g
20	CCV	13 May 2005	12:48:48	2	0.2245	1.0	1.00000	g 112%
21	CCB	13 May 2005	12:51:19	2	-0.0020	1.0	1.00000	g
22	D0537-07B	13 May 2005	12:53:51	2	-0.0022	1.0	1.00000	g
23	D0537-08B	13 May 2005	12:56:23	2	-0.0012	1.0	1.00000	g
24	D0537-09B	13 May 2005	12:58:54	2	-0.0022	1.0	1.00000	g
25	D0537-10B	13 May 2005	13:01:25	2	-0.0022	1.0	1.00000	g
26	D0537-11B	13 May 2005	13:03:57	2	-0.0025	1.0	1.00000	g
27	D0537-12B	13 May 2005	13:06:29	2	-0.0012	1.0	1.00000	g
28	D0538-01C	13 May 2005	13:09:01	2	0.0051	1.0	1.00000	g
29	D0538-02C	13 May 2005	13:11:32	2	0.0026	1.0	1.00000	g
30	CCV	13 May 2005	13:14:04	2	0.2197	1.0	1.00000	g 110%

OPERATOR: rsmith
ACQ. TIME: May 13, 2005 11:41:55
DATA FILENAME: C:\OMNION\DATA\CN\MAY05\C051305A.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\MAY05\C051305A.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\MAY05\C051305A.TRA

TRAY DESCRIPTION:
Created: May 13, 2005 10:37:55
Modified: May 13, 2005 11:41:16
ANALYSIS: CYANIDE ANALYST: SN
DATA DESCRIPTION:
Created: May 13, 2005 11:41:55
Modified: May 13, 2005 11:41:55

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 31 to 50

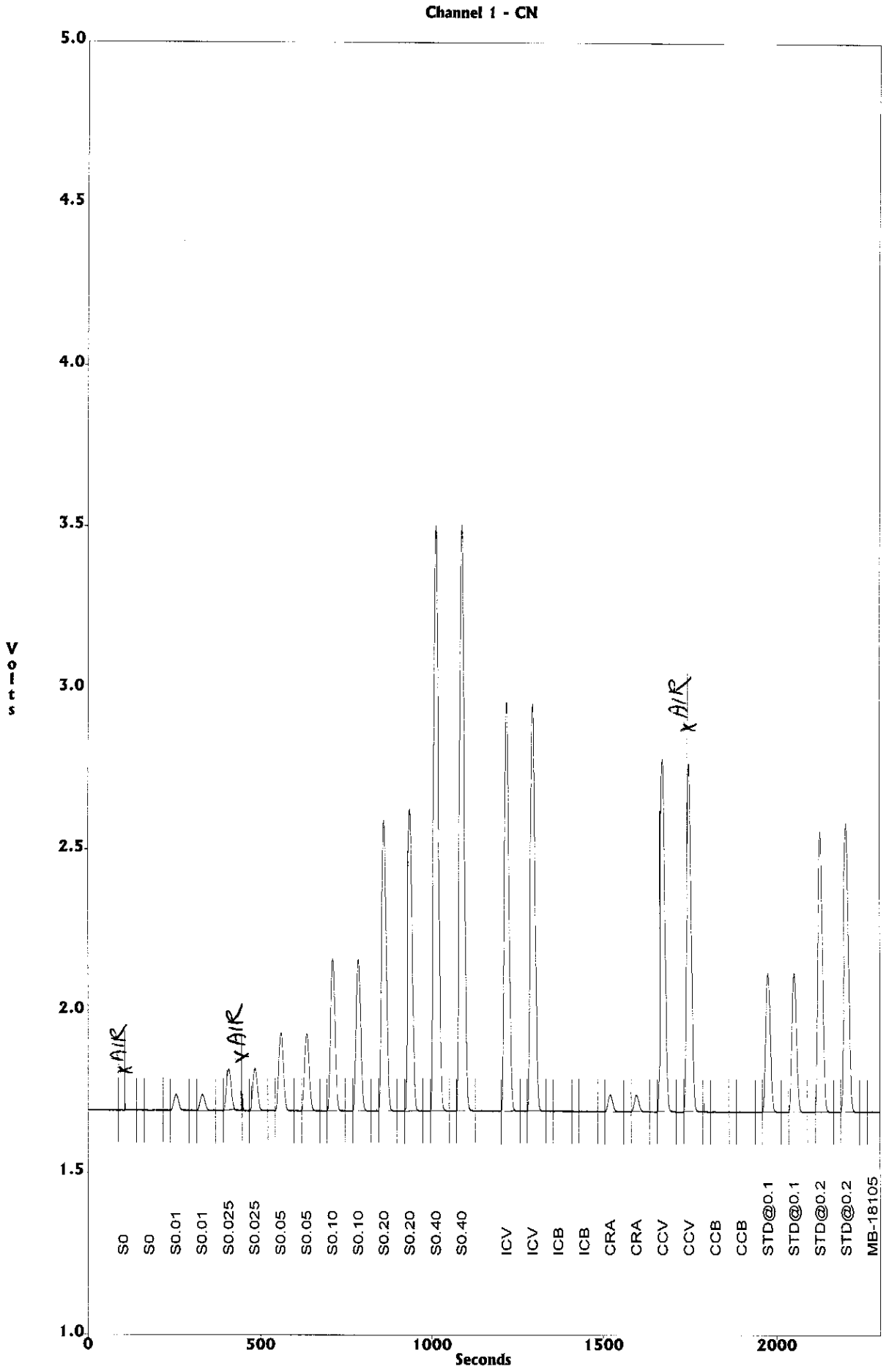
Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg CN/L)	Man Dil Factor	Weight	Unit
31	CCB	13 May 2005	13:16:35	2	-0.0023	1.0	1.00000	g
32	D0538-03C	13 May 2005	13:19:05	2	-0.0012	1.0	1.00000	g
33	MB-18106	13 May 2005	13:21:37	2	-0.0023	1.0	1.00000	g
34	LCS-18106	13 May 2005	13:24:09	2	~~-1.2609~~	1.0	1.00000	g x10
35	D0529-01B ✓	13 May 2005	13:26:40	2	-0.0012	1.0	1.00000	g
36	D0529-01BDUP ✓	13 May 2005	13:29:12	2	-0.0018	1.0	1.00000	g
37	D0529-01BMS ✓	13 May 2005	13:31:44	2	0.1043	1.0	1.00000	g | 0.1043
38	D0523-01B	13 May 2005	13:34:16	2	-0.0027	1.0	1.00000	g
39	CCV	13 May 2005	13:36:47	2	0.2181	1.0	1.00000	g | 0.1090
40	CCB	13 May 2005	13:39:19	2	-0.0021	1.0	1.00000	g
41	SOLVENT	13 May 2005	13:41:50	2	-0.0022	1.0	1.00000	g

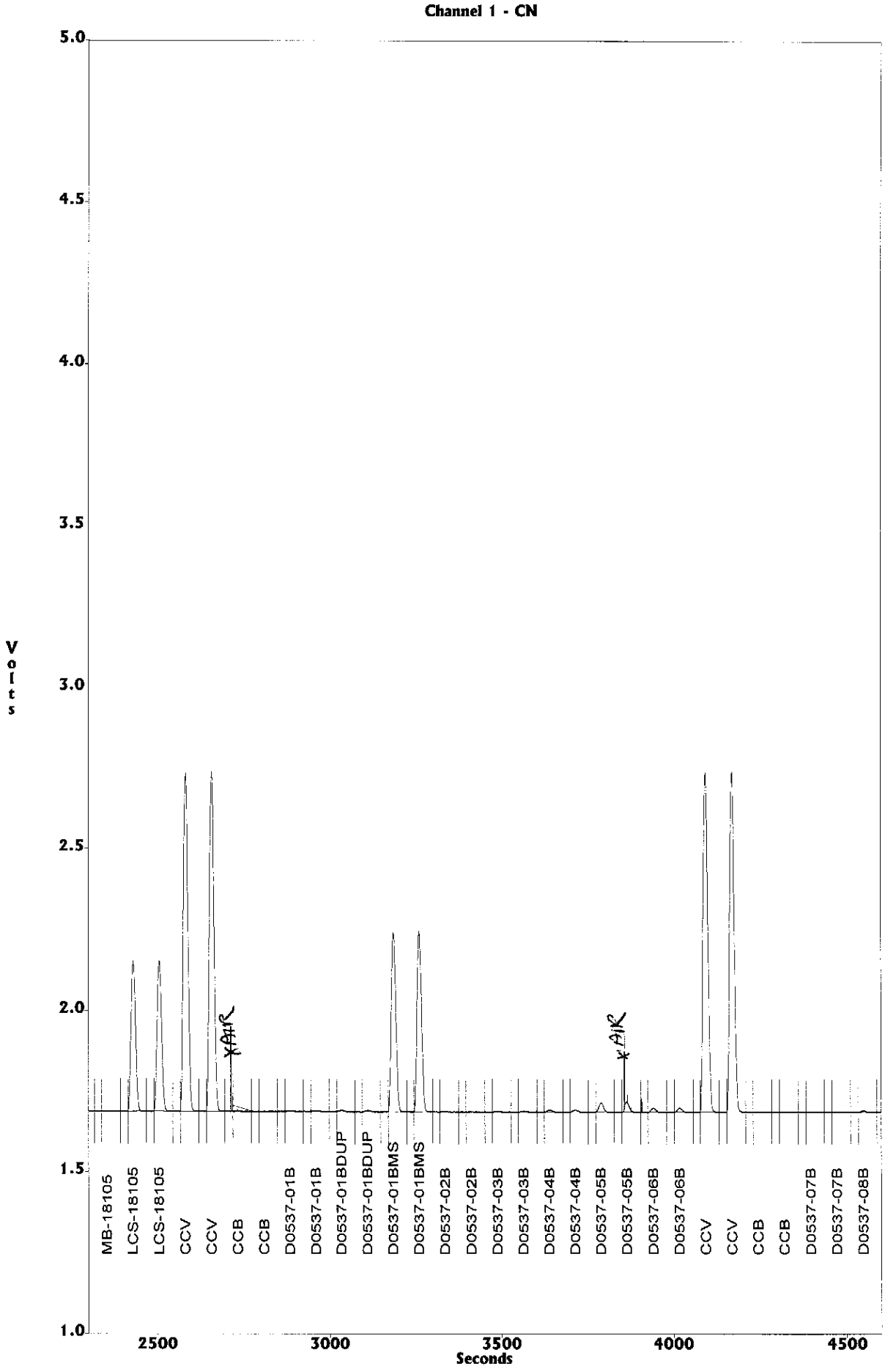
OPERATOR: rsmith
ACQ. TIME: May 13, 2005 14:44:27
DATA FILENAME: C:\OMNION\DATA\CN\MAY05\C051305B.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\MAY05\C051305B.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\MAY05\C051305B.TRA

TRAY DESCRIPTION:
Created: May 13, 2005 14:35:11
Modified: May 13, 2005 14:35:11
ANALYSIS: CYANIDE ANALYST: SN
DATA DESCRIPTION:
Created: May 13, 2005 14:44:27
Modified: May 13, 2005 14:44:27

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg CN/L)	Man Dil Factor	Weight	Unit	
1	LCS-18106	13 May 2005	14:45:06	2	0.1583	10.0	1.00000	g	76.8
2	CCV	13 May 2005	14:47:38	2	0.2162	1.0	1.00000	g	108%
3	CCB	13 May 2005	14:50:10	2	-0.0027	1.0	1.00000	g	
4	SOLVENT	13 May 2005	14:52:41	2	-0.0017	1.0	1.00000	g	


Channel 1 - CN
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
0
500
1000
1500
2000
Seconds
AIR
AIR
AIR
S0
S0
S0.01
S0.01
S0.025
S0.025
S0.05
S0.05
S0.10
S0.10
S0.20
S0.20
S0.40
S0.40
ICV
ICV
ICB
ICB
CRA
CRA
CCV
CCV
CCB
CCB
STD@0.1
STD@0.1
STD@0.2
STD@0.2
MB-18105


Channel 1 - CN
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
2500
3000
3500
4000
4500
Seconds
AIR
AIR
MB-18105
LCS-18105
LCS-18105
CCV
CCV
CCB
CCB
D0537-01B
D0537-01B
D0537-01BDUP
D0537-01BDUP
D0537-01BMS
D0537-01BMS
D0537-02B
D0537-02B
D0537-03B
D0537-03B
D0537-04B
D0537-04B
D0537-05B
D0537-05B
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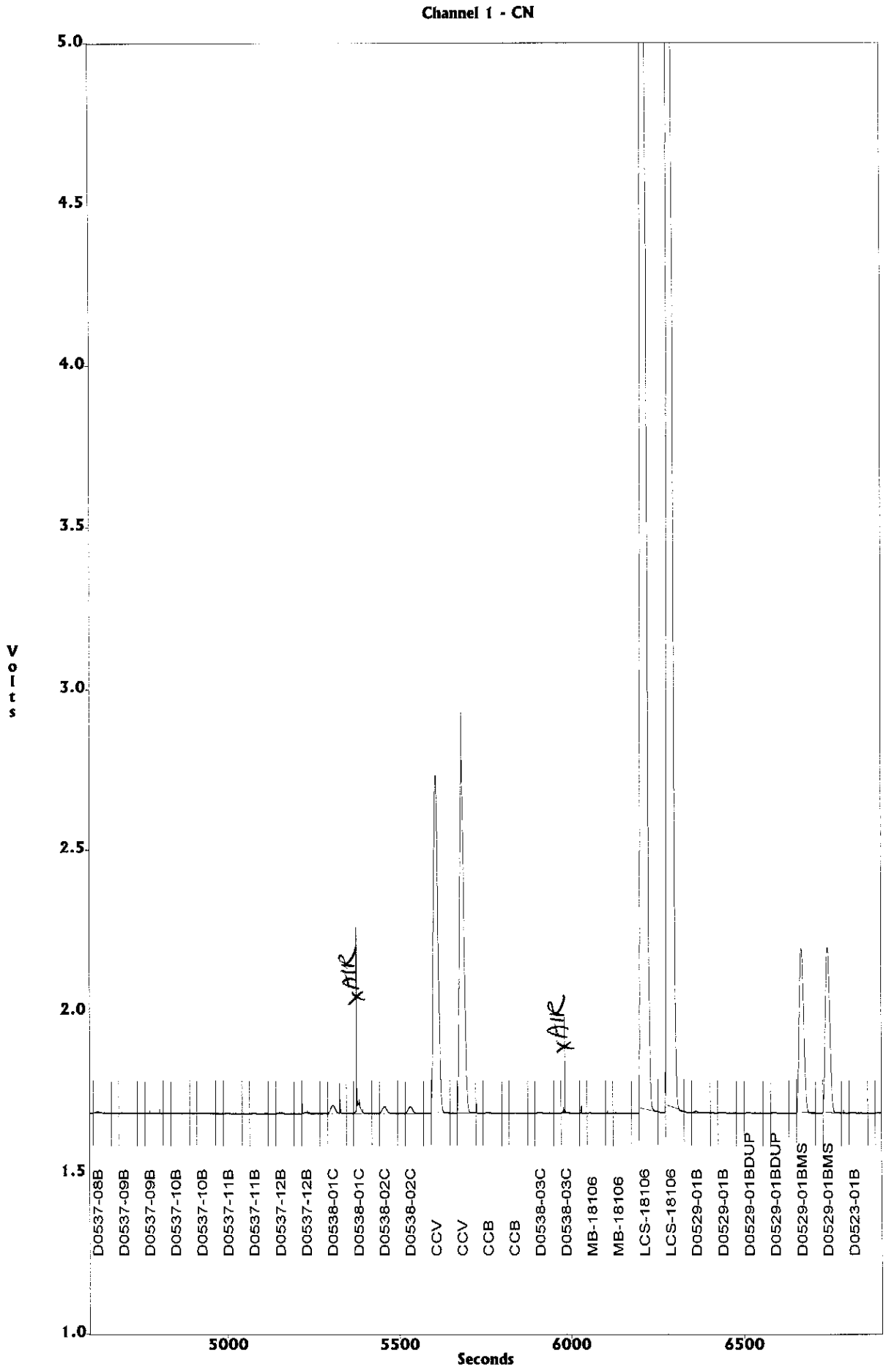
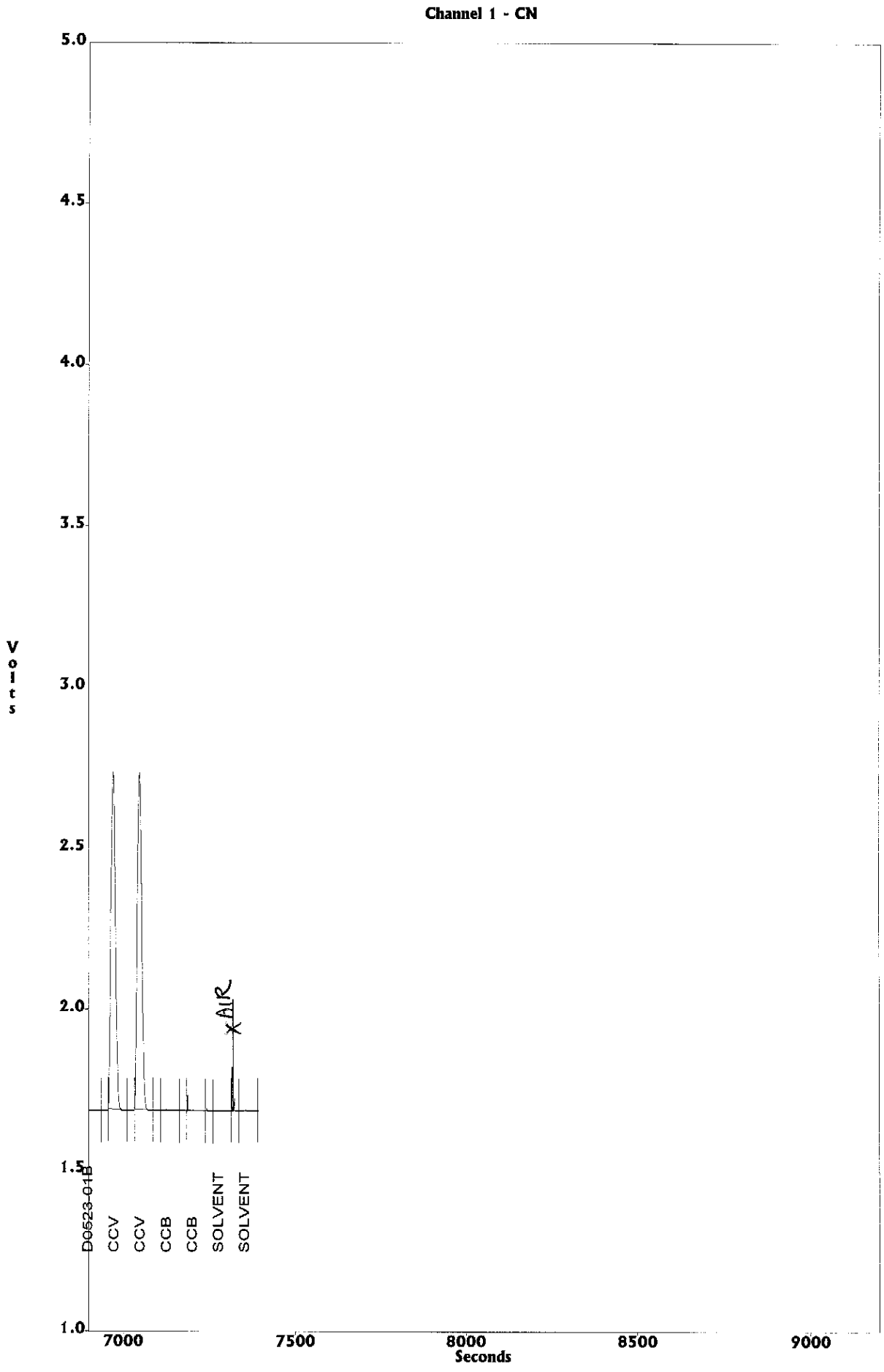
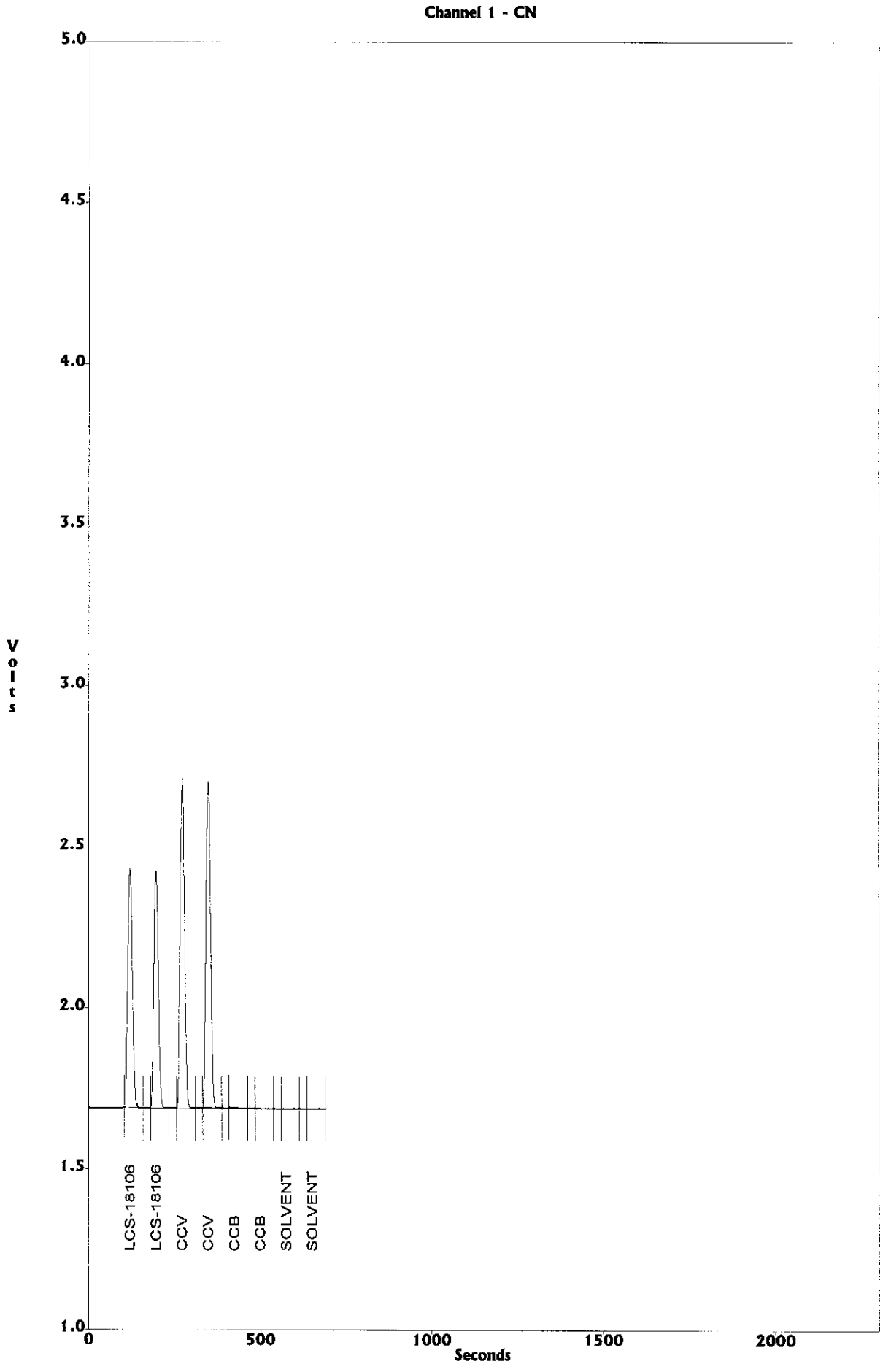
CCB
D0537-07B
D0537-07B
D0537-08B


Channel 1 - CN
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
AIR
AIR
D0537-08B
D0537-09B
D0537-09B
D0537-10B
D0537-10B
D0537-11B
D0537-11B
D0537-12B
D0537-12B
D0538-01C
D0538-01C
D0538-02C
D0538-02C
CCV
CCV
CCB
CCB
D0538-03C
D0538-03C
MB-18106
MB-18106
LCS-18106
LCS-18106
D0529-01B
D0529-01B
D0529-01BDUP
D0529-01BDUP
D0529-01BMS
D0529-01BMS
D0523-01B
5000
5500
6000
6500
Seconds


Channel 1 - CN
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
AIR
D0523-01B
CCV
CCV
CCB
CCB
SOLVENT
SOLVENT
7000
7500
8000
8500
9000
Seconds


Channel 1 - CN
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
LCS-18106
LCS-18106
CCV
CCV
CCB
CCB
SOLVENT
SOLVENT
0
500
1000
1500
2000
Seconds

Creator: rsmith
Creation Date: May 13, 2005 10:37:55
Last Modified: May 13, 2005 10:37:55
Description: ANALYSIS: CYANIDE ANALYST: SN

Cup #	Sample ID	Manual Dilution	Sample Type	
7	S0	1.0000	CalStd	
8	S0.01	1.0000	CalStd	
9	S0.025	1.0000	CalStd	
10	S0.05	1.0000	CalStd	
11	S0.10	1.0000	CalStd	
12	S0.20	1.0000	CalStd	
13	S0.40	1.0000	CalStd	
1	ICV	1.0000	Unknown	
2	ICB	1.0000	Unknown	
3	CRA	1.0000	Unknown	
4	CCV	1.0000	Unknown	
5	CCB	1.0000	Unknown	
6	STD@0.1	1.0000	Unknown	
7	STD@0.2	1.0000	Unknown	
8	MB-18105	1.0000	Unknown	
9	LCS-18105	1.0000	Unknown	
10	CCV	1.0000	Unknown	
11	CCB	1.0000	Unknown	
12	D0537-01B	1.0000	Unknown	
13	D0537-01BDUP	1.0000	Unknown	
14	D0537-01BMS	1.0000	Unknown	
15	D0537-02B	1.0000	Unknown	
16	D0537-03B	1.0000	Unknown	
17	D0537-04B	1.0000	Unknown	
18	D0537-05B	1.0000	Unknown	
19	D0537-06B	1.0000	Unknown	
20	CCV	1.0000	Unknown	
21	CCB	1.0000	Unknown	
22	D0537-07B	1.0000	Unknown	
23	D0537-08B	1.0000	Unknown	
24	D0537-09B	1.0000	Unknown	
25	D0537-10B	1.0000	Unknown	
26	D0537-11B	1.0000	Unknown	
27	D0537-12B	1.0000	Unknown	
28	D0538-01C	1.0000	Unknown	
29	D0538-02C	1.0000	Unknown	
30	CCV	1.0000	Unknown	
31	CCB	1.0000	Unknown	
32	D0538-03C	1.0000	Unknown	
33	MB-18106	1.0000	Unknown	
34	LCS-18106	1.0000	Unknown	
35	D0529-01B	1.0000	Unknown	

Cup #	Sample ID	Manual Dilution	Sample Type	
36	D0529-01BDUP	1.0000	Unknown	
37	D0529-01BMS	1.0000	Unknown	
38	D0523-01B	1.0000	Unknown	
39	CCV	1.0000	Unknown	
40	CCB	1.0000	Unknown	
41	SOLVENT	1.0000	Unknown	

Creator: rsmith
Creation Date: May 13, 2005 14:14:23
Last Modified: May 13, 2005 14:14:23
Description: ANALYSIS: CYANIDE ANALYST: SN

Cup #	Sample ID	Manual Dilution	Sample Type	
7	S0	1.0000	CalStd	
8	S0.01	1.0000	CalStd	
9	S0.025	1.0000	CalStd	
10	S0.05	1.0000	CalStd	
11	S0.10	1.0000	CalStd	
12	S0.20	1.0000	CalStd	
13	S0.40	1.0000	CalStd	
1	LCS-18106	10.0000	Unknown	
2	CCV	1.0000	Unknown	
3	CCB	1.0000	Unknown	
4	SOLVENT	1.0000	Unknown	

MITKEM CORPORATION SAMPLE RUN LOG: LACHAT INSTRUMENT

Date: 5/13/05 Analyst: SW

Analyses: Channel 1: ~~30~~ CN Channel 2:

* results in mg/L

AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID
S1	$0.0	12	D0537 01B	32	D0538 03C	52		72	
S2	$0.01	13	01B Dup	33	MB-18106	53		73	
S3	$0.025	14	01BMS	34	LCS-18106	54		74	
S4	$0.05	15	02B	35	D0529 01B	55		75	
S5	$0.10	16	03B	36	D0529 01B Dup	56		76	
S6	$0.20	17	04B	37	D0529 01BMS	57		77	
S7	$0.40	18	05B	38	D0523 01B	58		78	
S8	SW 5/13/05	19	D0537 06B	39	CCV	59		79	
S9		20	CCV	40	CCB	60		80	
1	ICV	21	CCB	41	solvent	61		81	
2	ICB	22	D0537 07B	42	LCS-18106	62		82	
3	CRA	23	08B	43	CCV	63		83	
4	CCV	24	09B	44	CCB	64		84	
5	CCB	25	10B	45	solvent	65		85	
6	STD@ 0.1	26	11B	46		66		86	
7	STD @ 0.2	27	D0537 12B	47	SW 5/13/05	67		87	
8	MB-18105	28	D0538 01C	48		68		88	
9	LCS-18105	29	D0538 02C	49		69		89	
10	CCV	30	CCV	50		70		90	
11	CCB	31	CCB	51		71		91	

*Report all results in mg/L

DATA FILE NAME C051305 a,b

METHOD FILE NAME

TRAY FILE NAME

REPORT FILE NAME C051305 a,b

Reagent Lots

Pyridine IR05050902

NaOH IR05051301

KH2PO4 IR05051205

Barbituric Acid IR05050902

Chloramine-T IR05051303

Other

CCV: IWW0505030 3

curve: IWW0505070 1

Curve on 5/13/05

m =

b =

r = 0.9999

Logbook ID 100.0144-02/05

Reviewed by JBC 5/27/05

Logbook page 039

0897

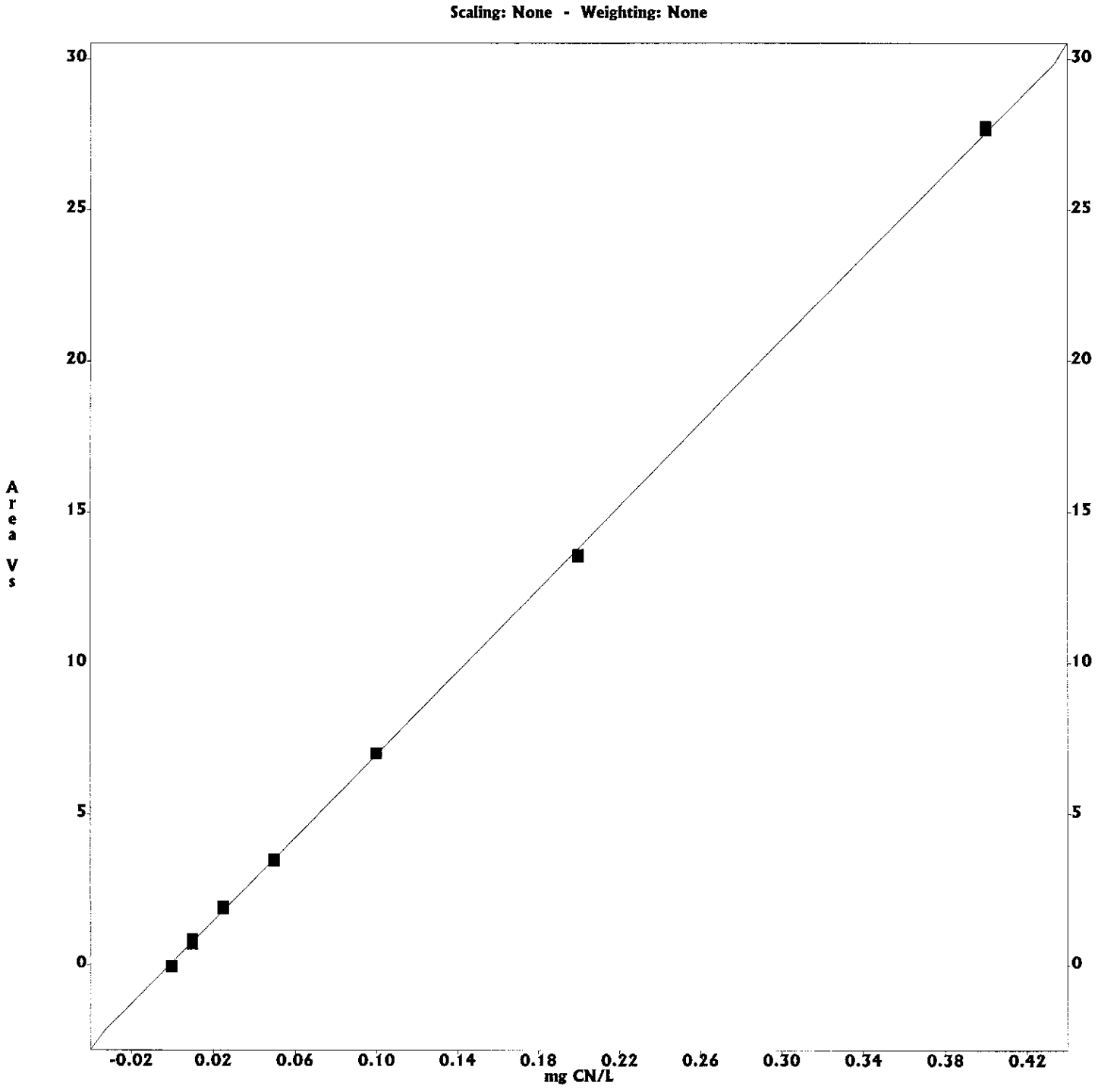
D0556-3-4DIS (SW9012 S), D0549-01 (E335.4), D0529-03C (IU14.1-CN)

LACHATI_050517A, LACHATI_050517B CN OK BP 5/17/05

LACHATI_050517C

Lvl	Area	mg CN/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	-15942	0.000	-15942	-26367				7371.8	-34.8	
2	883451	0.010	883451	721529				114496.5	14.3	-14.3
3	1980343	0.025	1980343	1894657				60589.4	3.1	-9.7
4	3484165	0.050	3484165	3542516				41260.7	1.2	1.3
5	7030549	0.100	7030549	7026244				3044.4	0.0	-1.0
6	13537368	0.200	13537368	13611279				52263.0	0.4	2.1
7	27660270	0.400	27660270	27765162				74169.8	0.3	-0.4

1st Order Poly
Conc = 1.457e-008 Area - 1.442e-003
r = 0.9999



Printed: Tuesday, May 17, 2005 - 02:49 PM

OPERATOR: rsmith
ACQ. TIME: May 17, 2005 11:44:41
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METHOD FILENAME: C:\OMNION\METHODS\CN\MAY05\C051705A.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\MAY05\C051705A.TRA

TRAY DESCRIPTION:
Created: May 17, 2005 11:25:41
Modified: May 17, 2005 11:44:25
ANALYSIS: CYANIDE ANALYST: KB
DATA DESCRIPTION:
Created: May 17, 2005 11:44:41
Modified: May 17, 2005 11:44:41

Multi-Channel Table
Type: Calibration Standards
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (uv-s)	Man Dil Factor	Weight	Unit
7	S0	17 May 2005	11:45:21	2	-21154.2515	1.0	1.00000	g
8	S0.01	17 May 2005	11:47:52	2	802490.0938	1.0	1.00000	g
9	S0.025	17 May 2005	11:50:23	2	1937500.0625	1.0	1.00000	g
10	S0.05	17 May 2005	11:52:55	2	3513340.2500	1.0	1.00000	g
11	S0.10	17 May 2005	11:55:27	2	7028396.2500	1.0	1.00000	g
12	S0.20	17 May 2005	11:57:59	2	3574323.5000	1.0	1.00000	g
13	S0.40	17 May 2005	12:00:30	2	7712716.0000	1.0	1.00000	g

OPERATOR: rsmith
ACQ. TIME: May 17, 2005 14:01:17
DATA FILENAME: C:\OMNION\DATA\CN\MAY05\C051705B.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\MAY05\C051705B.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\MAY05\C051705B.TRA

TRAY DESCRIPTION:
Created: May 17, 2005 13:56:11
Modified: May 17, 2005 13:56:11
ANALYSIS: CYANIDE ANALYST: KB
DATA DESCRIPTION:
Created: May 17, 2005 14:01:17
Modified: May 17, 2005 14:01:17

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 30

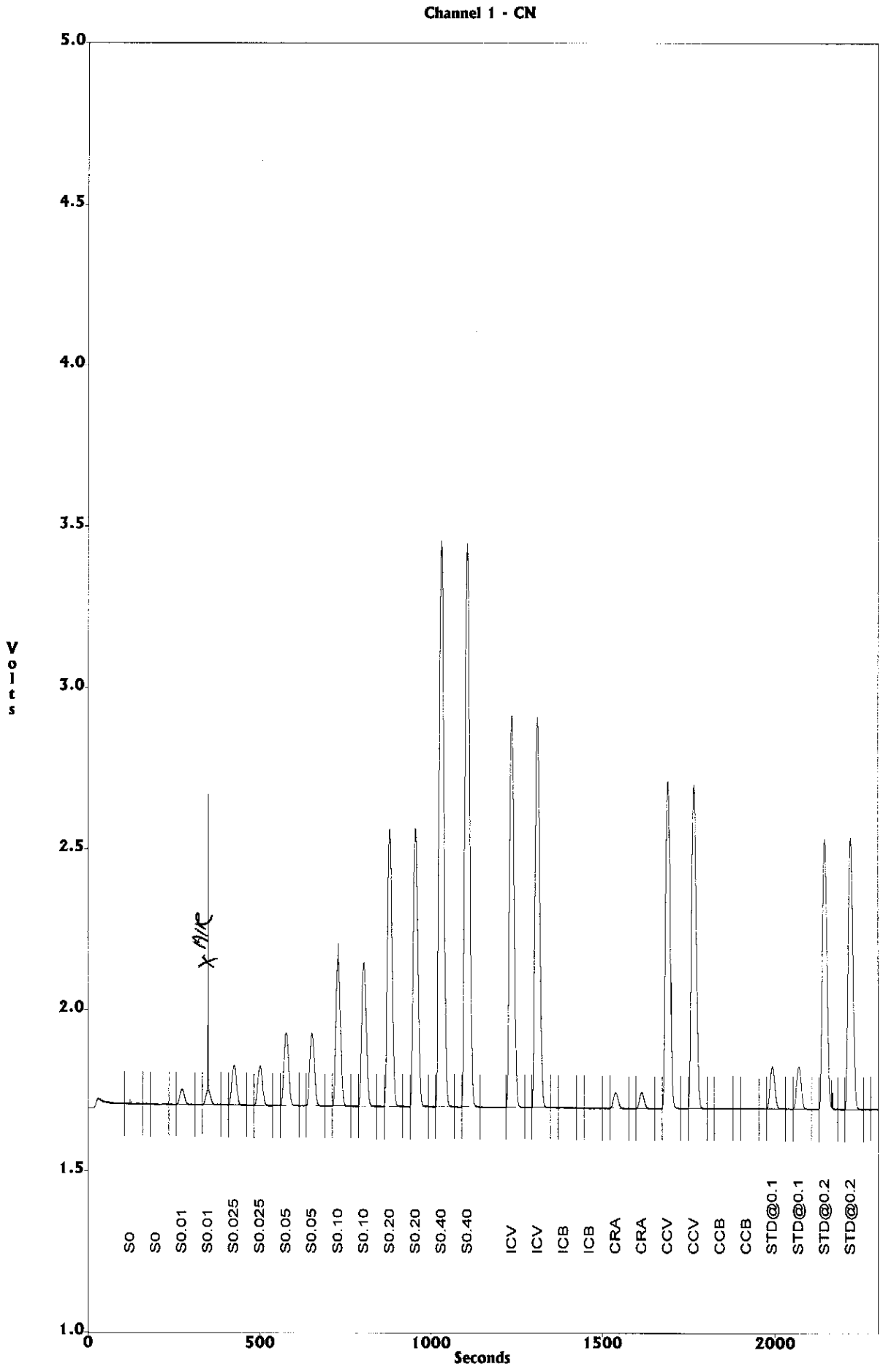
Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg CN/L)	Man Dil Factor	Weight	Unit	
1	STD@0.1	17 May 2005	14:01:37	2	0.1129	1.0	1.00000	g	113 %
2	LCS-18140	17 May 2005	14:04:08	2	0.1151	1.0	1.00000	g	115 %
3	CCV	17 May 2005	14:06:40	2	0.2238	1.0	1.00000	g	112 %
4	CCB	17 May 2005	14:09:11	2	-0.0013	1.0	1.00000	g	
5	SOLVENT	17 May 2005	14:11:42	2	-0.0024	1.0	1.00000	g	

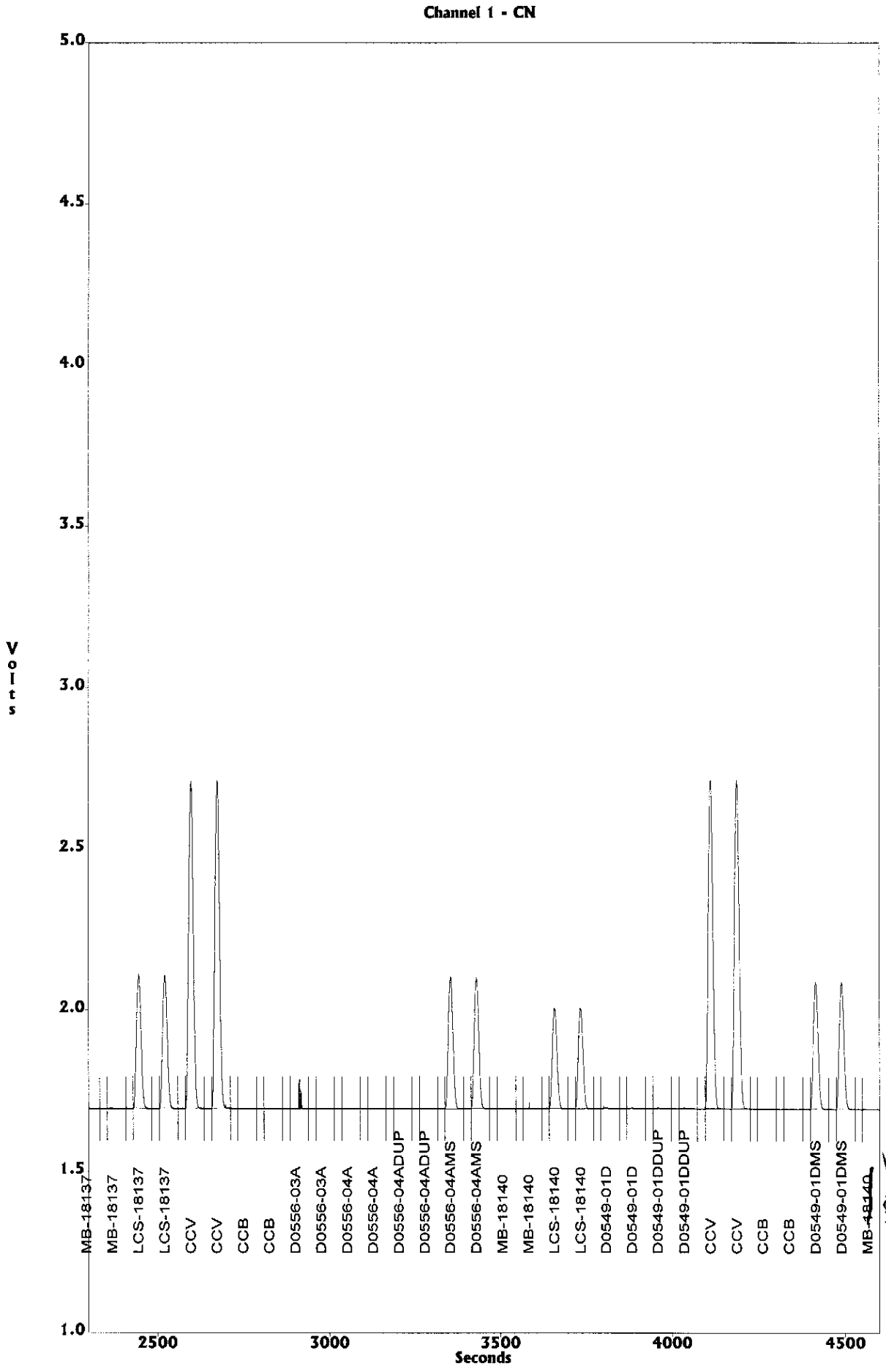
OPERATOR: rsmith
ACQ. TIME: May 17, 2005 11:44:41
DATA FILENAME: C:\OMNION\DATA\CN\MAY05\C051705A.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\MAY05\C051705A.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\MAY05\C051705A.TRA

TRAY DESCRIPTION:
Created: May 17, 2005 11:25:41
Modified: May 17, 2005 11:44:25
ANALYSIS: CYANIDE ANALYST: KB
DATA DESCRIPTION:
Created: May 17, 2005 11:44:41
Modified: May 17, 2005 11:44:41

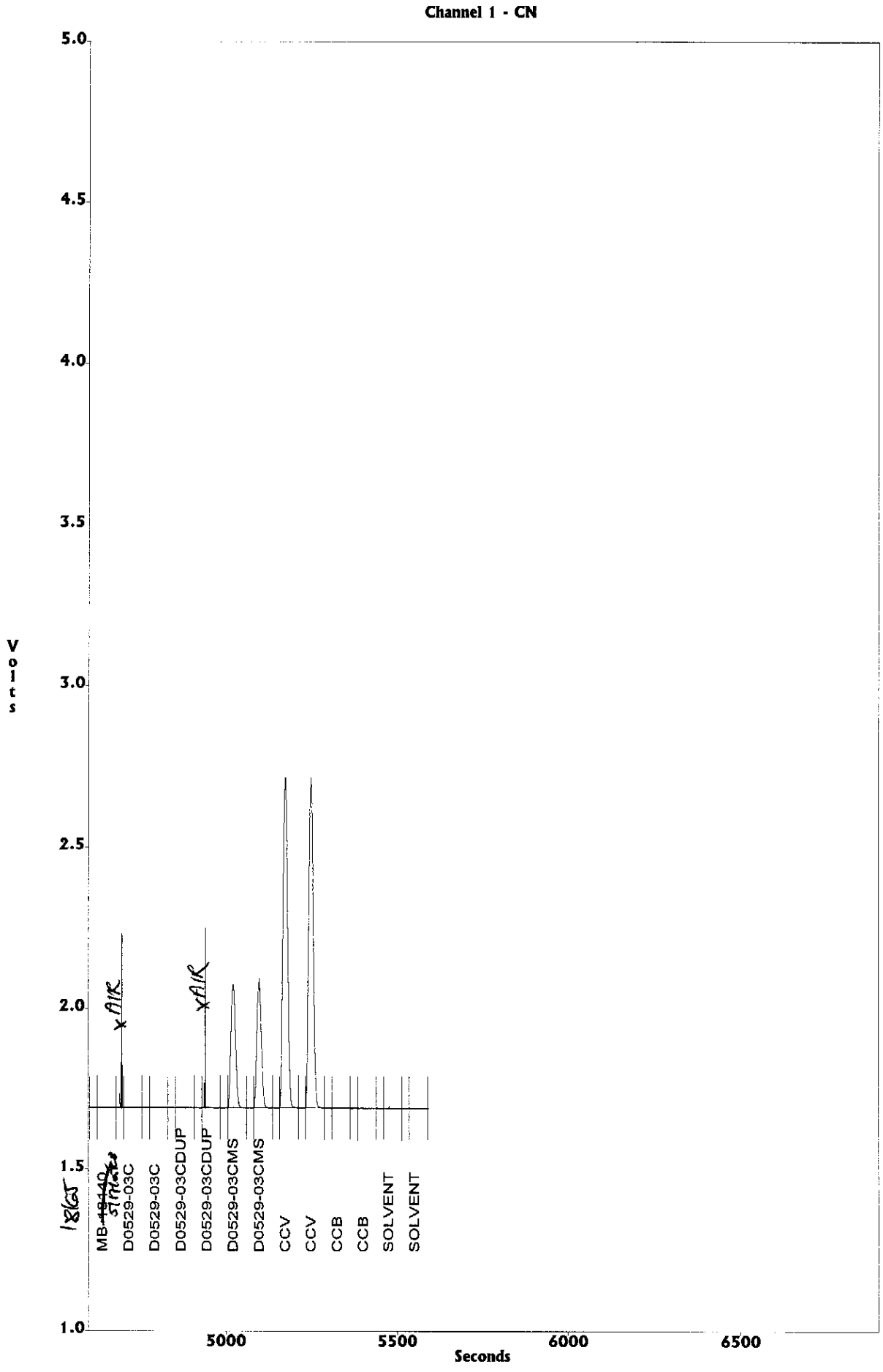
Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 30

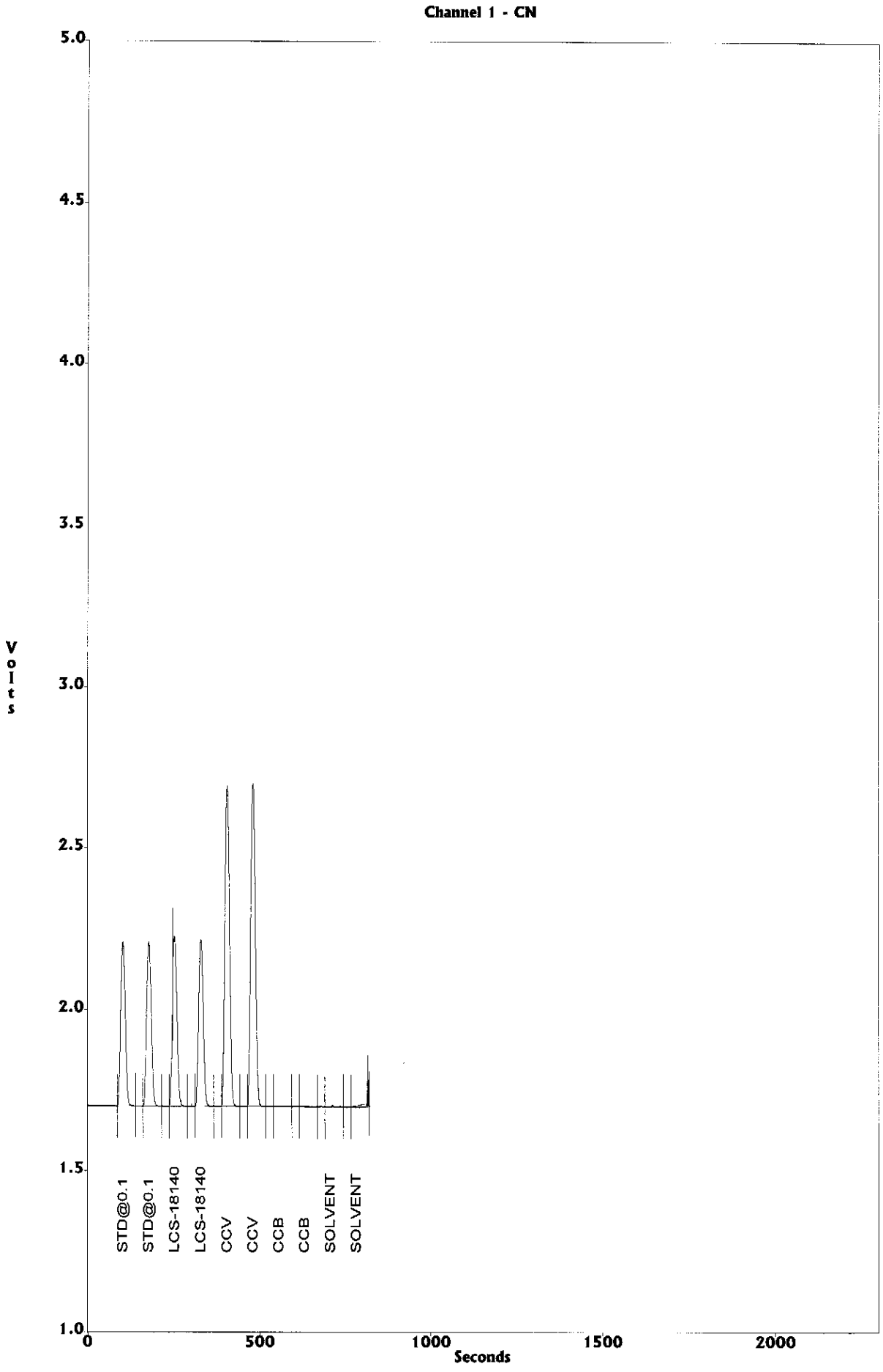
Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg CN/L)	Man Dil Factor	Weight	Unit	
1	ICV	17 May 2005	12:03:55	2	0.2723	1.0	1.00000	g	109%
2	ICB	17 May 2005	12:06:27	2	-0.0016	1.0	1.00000	g	
3	CRA	17 May 2005	12:08:59	2	0.0100	1.0	1.00000	g	100%
4	CCV	17 May 2005	12:11:30	2	0.2271	1.0	1.00000	g	114%
5	CCB	17 May 2005	12:14:01	2	-0.0019	1.0	1.00000	g	
~~6~~	~~STD@0.1~~	~~17 May 2005~~	~~12:16:32~~	~~2~~	~~0.0270~~	~~1.0~~	~~1.00000~~	~~g~~	
7	STD@0.2	17 May 2005	12:19:03	2	0.1899	1.0	1.00000	g	95%
8	MB-18137	17 May 2005	12:21:34	2	-0.0008	1.0	1.00000	g	
9	LCS-18137	17 May 2005	12:24:05	2	0.0918	1.0	1.00000	g	92%
10	CCV	17 May 2005	12:26:37	2	0.2272	1.0	1.00000	g	114%
11	CCB	17 May 2005	12:29:09	2	-0.0011	1.0	1.00000	g	
12	D0556-03A	17 May 2005	12:31:41	2	-0.0015	1.0	1.00000	g	RPD=0%
13	D0556-04A	17 May 2005	12:34:13	2	-0.0020	1.0	1.00000	g	
14	D0556-04ADUP	17 May 2005	12:36:44	2	-0.0019	1.0	1.00000	g	
15	D0556-04AMS	17 May 2005	12:39:15	2	0.0903	1.0	1.00000	g	90%
16	MB-18140	17 May 2005	12:41:47	2	-0.0017	1.0	1.00000	g	
~~17~~	~~LCS-18140~~	~~17 May 2005~~	~~12:44:18~~	~~2~~	~~0.0691~~	~~1.0~~	~~1.00000~~	~~g~~	
18	D0549-01D	17 May 2005	12:46:49	2	-0.0011	1.0	1.00000	g	RPD=0%
19	D0549-01DDUP	17 May 2005	12:49:20	2	-0.0006	1.0	1.00000	g	
20	CCV	17 May 2005	12:51:52	2	0.2277	1.0	1.00000	g	114%
21	CCB	17 May 2005	12:54:23	2	-0.0017	1.0	1.00000	g	
22	D0549-01DMS	17 May 2005	12:56:55	2	0.0875	1.0	1.00000	g	88%
23	MB-~~18140~~ 18165	17 May 2005	12:59:25	2	-0.0011	1.0	1.00000	g	
24	D0529-03C	17 May 2005	13:01:57	2	-0.0014	1.0	1.00000	g	RPD=0%
25	D0529-03CDUP	17 May 2005	13:04:29	2	-0.0001	1.0	1.00000	g	
26	D0529-03CMS	17 May 2005	13:07:01	2	0.0851	1.0	1.00000	g	85%
27	CCV	17 May 2005	13:09:32	2	0.2292	1.0	1.00000	g	115%
28	CCB	17 May 2005	13:12:04	2	-0.0013	1.0	1.00000	g	
29	SOLVENT	17 May 2005	13:14:35	2	-0.0016	1.0	1.00000	g	


Channel 1 - CN
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
0
500
1000
1500
2000
Seconds
S0
S0
S0.01
S0.01
S0.025
S0.025
S0.05
S0.05
S0.10
S0.10
S0.20
S0.20
S0.40
S0.40
ICV
ICV
ICB
ICB
CRA
CRA
CCV
CCV
CCB
CCB
STD@0.1
STD@0.1
STD@0.2
STD@0.2



18165
STIMOTICS


Channel 1 - CN
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
5000
5500
6000
6500
Seconds
MB-18140
D0529-03C
D0529-03C
D0529-03CDUP
D0529-03CDUP
D0529-03CMS
D0529-03CMS
CCV
CCV
CCB
CCB
SOLVENT
SOLVENT
AIR
AIR


Channel 1 - CN
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
0
500
1000
1500
2000
Seconds
STD@0.1
STD@0.1
LCS-18140
LCS-18140
CCV
CCV
CCB
CCB
SOLVENT
SOLVENT

0905

Creator: rsmith
Creation Date: May 17, 2005 11:25:41
Last Modified: May 17, 2005 11:25:41
Description: ANALYSIS: CYANIDE ANALYST: KB

Cup #	Sample ID	Manual Dilution	Sample Type	
7	S0	1.0000	CalStd	
8	S0.01	1.0000	CalStd	
9	S0.025	1.0000	CalStd	
10	S0.05	1.0000	CalStd	
11	S0.10	1.0000	CalStd	
12	S0.20	1.0000	CalStd	
13	S0.40	1.0000	CalStd	
1	ICV	1.0000	Unknown	
2	ICB	1.0000	Unknown	
3	CRA	1.0000	Unknown	
4	CCV	1.0000	Unknown	
5	CCB	1.0000	Unknown	
6	STD@0.1	1.0000	Unknown	
7	STD@0.2	1.0000	Unknown	
8	MB-18137	1.0000	Unknown	
9	LCS-18137	1.0000	Unknown	
10	CCV	1.0000	Unknown	
11	CCB	1.0000	Unknown	
12	D0556-03A	1.0000	Unknown	
13	D0556-04A	1.0000	Unknown	
14	D0556-04ADUP	1.0000	Unknown	
15	D0556-04AMS	1.0000	Unknown	
16	MB-18140	1.0000	Unknown	
17	LCS-18140	1.0000	Unknown	
18	D0549-01D	1.0000	Unknown	
19	D0549-01DDUP	1.0000	Unknown	
20	CCV	1.0000	Unknown	
21	CCB	1.0000	Unknown	
22	D0549-01DMS	1.0000	Unknown	
23	MB-18140	1.0000	Unknown	
24	D0529-03C	1.0000	Unknown	
25	D0529-03CDUP	1.0000	Unknown	
26	D0529-03CMS	1.0000	Unknown	
27	CCV	1.0000	Unknown	
28	CCB	1.0000	Unknown	
29	SOLVENT	1.0000	Unknown	

Creator: rsmith
Creation Date: May 17, 2005 13:56:11
Last Modified: May 17, 2005 13:56:11
Description: ANALYSIS: CYANIDE ANALYST: KB

Cup #	Sample ID	Manual Dilution	Sample Type	
7	S0	1.0000	CalStd	
8	S0.01	1.0000	CalStd	
9	S0.025	1.0000	CalStd	
10	S0.05	1.0000	CalStd	
11	S0.10	1.0000	CalStd	
12	S0.20	1.0000	CalStd	
13	S0.40	1.0000	CalStd	
1	STD@0.1	1.0000	Unknown	
2	LCS-18140	1.0000	Unknown	
3	CCV	1.0000	Unknown	
4	CCB	1.0000	Unknown	
5	SOLVENT	1.0000	Unknown	

MITKEM CORPORATION SAMPLE RUN LOG: LACHAT INSTRUMENT

Date: 5/17/05 Analyst: KB/SN

Analyses: Channel 1: CN Channel 2:

* results in mg/L

AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID
S1	80.0	12	D0556 03A	32	CCV	52		72	
S2	S0.01	13	04A	33	CCB	53		73	
S3	S0.025	14	04ADUP	34	SOLVENT	54		74	
S4	S0.05	15	D0556 04MS	35		55		75	
S5	S0.10	16	MB-18140	36		56		76	
S6	S0.20	17	LCS-18140	37		57		77	
S7	S0.40	18	D0549 01D	38		58		78	
S8	5/17/05 KB	19	D0549 01DDUP	39		59		79	
S9		20	CCV	40		60		80	
1	ICV	21	CCB	41		61		81	
2	ICB	22	D0549 01DMS	42		62		82	
3	CCA	23	MB-18140 18165	43		63		83	
4	CCV	24	D0529 5/17/05 KB 03C	44		64		84	
5	CCB	25	D0529 03CDUP	45		65		85	
6	STD@0.1	26	D0529 03CMS	46		66		86	
7	STD@0.2	27	CCV	47		67		87	
8	MB-18137	28	CCB	48		68		88	
9	LCS-18137	29	SOLVENT	49		69		89	
10	CCV	30	STD@0.1	50		70		90	
11	CCB	31	LCS-18140	51		71		91	

5/17/05 KB

5/17/05 KB

*Report all results in mg/L

DATA FILE NAME C051705a,b

METHOD FILE NAME

TRAY FILE NAME

REPORT FILE NAME C051705a,b

Reagent Lots

Pyridine I205050902

NaOH I205051301

KH2PO4 I205051205

Barbituric Acid I205050502

Chloramine-T I205051701

Other

CCV: I1105050303

CCVC: I1105051001

Curve on 5/17/05 KB

m =

b =

r = 0.9999

Logbook ID 100.0144-02/05

Reviewed by SBL 5/19/05

Logbook page 040

8060

Prep Logbooks

- [x] ICP
- [x] Mercury
- [x] Cyanide
- [x] Percent Solids

ILM

MITKEM CORPORATION: Aqueous Metals Preparation Logbook

D0529

Date	Sample ID		Client ID	Sample Vol (ml)	pH	Sample Color Before	Clarity Before	Conc. HNO_3 (ml)	Conc. HCl (ml)	1:1 HCl (ml)	Sample Color After	Sample Clarity After	Final Volume (ml)	Comments	Analyst
5/18/05	PBW-18176		—	50	—	colorless	clear	0.5	2.5	—	colorless	clear	50		SW
	LCSW-18176		—		—	colorless	clear				colorless	clear			
	D0529	03D	RINSATE		<2	colorless	clear				colorless	clear			
	D0539	01E	013GW0020505		<2	colorless	clear				colorless	clear			
		02E	013GW9000505		<2	colorless	clear				colorless	clear			
		04E	FB050905		<2	colorless	clear				colorless	clear			
		05E	RB050905		<2	colorless	clear				colorless	clear			
		06E	013GW0010505		<2	colorless	clear				colorless	clear			
		06EMS	013GW0010505		<2	colorless	clear				colorless	clear			
		06EMSD	013GW0010505		<2	colorless	clear				colorless	clear			
		07E	013GW2040505		<2	colorless	clear				colorless	clear			
		08E	013GW2060505		<2	colorless	clear				colorless	clear			
	D0539	09E	013GW2020505		<2	colorless	clear				colorless	clear			
5/18/05	D0565	01C	comb inf	50	<2	colorless	clear	0.5	2.5	—	colorless	clear	50		SW
SW	5/18/05														

HCl Lot# 4104090

HNO3 Lot# 1104060

Method: 100.0009

Digestion Temp: 95 oC

LCSS/Spike ID: I040928B – 45ml / I040809F
I041130D 45ml / I040430A } 50ml
I041025F / I040302E

SOP#: LM 4.1

RELINQUISHED TO: SW 5/18/05

Logbook ID 100.0125-05/05

Reviewed By: SBL 5/27/05

D0529

ILM

MITKEM CORPORATION: Soil/Solid Metals Prep Logbook

Date	Sample ID		Client ID	Sample Wt. (g)	Sample Color Before	Texture	1:1 HNO_3 ml	Conc. HNO_3 ml	30% H_2O_2 ml	Conc. HCl ml	Sample Color After	Sample Clarity After	Final Volume ml	Comments	Analyst
5/18/05	PBSS-18177		—	1.00	—	—	10	5	10	5	Colorless	clear	200		SW
	LCSS-18177		D041540	1.00	brown	fine	↓	↓	↓	↓	Pale yellow	clear	↓		↓
	D0523	01A	B-190	1.49	brown	muddy					Pale yellow	clear			
	D0529	01B	B-3 (9.0')	SW 5/18/05 1.434	mix color ~~mixed~~	rocks					Pale yellow	clear			
↓	D0529	01BDup	B-3(9.0')	1.34	mix color	rocks	↓	↓	↓	↓	Pale yellow	clear	↓		
5/18/05	D0529	01BMS	B-3 (9.0')	1.34	mix color	rocks	10	5	10	5	Pale yellow	clear	200		SW

SW 5/18/05

HCl Lot# 4104096
HNO3 Lot# 1164060
H2O2 Lot# 043211

Method: 100.0101
SOP#: ILM 4.1

Digestion Temp: 95 oC
LCS/Spike Lot No.:
I040430A
I040302E } 200ml
I040897

RELINQUISHED TO: SW 5/18/05

Logbook ID 100.0124-03/05

Reviewed By: SBL 5/27/05

Page #: 082

8911

ILM Hg

MITKEM CORPORATION: Mercury Digestion Logbook

D0529

Date	Bottle No.	Sample ID		Client ID	Sample Vol (ml)/ Wt (g)	Reagents Added: Conc. H_2SO_4 (ml)	Conc. HNO_3 (ml)	5% $KMnO_4$ (ml)	5% K_2SO_4 (ml)	Aqua-regia (ml)	Final Volume (ml)	Comments	Analyst
5/18/05	319	S0.0			100	5	2.5	15	8	—	100		SW
	20T	S0.2			0.2/100							II 050503A	
	252	S1.0			0.2/100								
	3327	S2.0			0.4/100								
	22WI	S5.0			1.0/100								
	14F	S10.0			2.0/100							II 050503A	
	106X	ICV			1.0/100						↓	II 050503B	
	115	PBW-18173			100						100		
	3A	D0529	03D	RINSATE	100						132		
	165	D0565	01C	comb inf	100						134		
	1P	D1565	01CDUP	comb inf	100						132		
5/18/05	326G	D0565	01CMS	combinf	100	5	2.5	15	8	—	132		SW
	SW 5/18/05												

Waters
In: 12:00
Out: 14:00
Matrix: Aqueous

Soils
In: N/A Out:
In: Out:
Matrix: Soil/Solid

LCSS —
Spike II 050503A

Temp: 95 °C
H_2SO_4 Lot # 3103091
HNO_3 Lot # 1104060
HCl Lot # 4164090
KMnO4 Lot # 050469
K2S2O8 Lot# 021215
Method # ILM 4.1

RELINQUISHED TO: DW 05/18/05

Reviewed by: SBL 5/27/05

Logbook ID: 100.0128-05/05

ILM Soil

MITKEM CORPORATION: Mercury Digestion Logbook

D0529

Date	Bottle No.	Sample ID		Client ID	Sample Vol (ml)/ Wt (g)	Reagents Added: Conc. H_2SO_4 (ml)	Conc. HNO_3 (ml)	5% $KMnO_4$ (ml)	5% K_2SO_4 (ml)	Aqua-regia (ml)	Final Volume (ml)	Comments	Analyst
5/18/05	336A	PBSS-18174		—		5	2.5	15	8	—	100		SW
	157	LCSS-18174		D041540	0.20								
	326F	D0523	01A	B-190	0.20								
	108	D0529	01B	B-3(9.0')	0.20								
	152	D0529	01BDUP	B-3(9.0')	0.20								
5/18/05	313	D0529	01BMS	B-3(9.0')	0.20	5	2.5	15	8	—	100		SW

SW 5/18/05

Waters
In: N/A
Out:
Matrix: Aqueous

Soils
In: 13:28 5/18/05 Out: 13:30
In: 13:30 Out: 14:00
Matrix: Soil/Solid

LCSS D041540
Spike I050503A

Temp: 95 °C

H_2SO_4 Lot # 3103091
HNO_3 Lot # 1104060
HCl Lot # 4104090
KMnO4 Lot # 050469
K2S2O8 Lot# 026215
Method # ~~SW~~ ILM 4.1

RELINQUISHED TO: Qw 5/18/05

Reviewed by: SBL 5/27/05

Logbook ID: 100.0128-05/05

MITKEM CORPORATION: CYANIDE DISTILLATION LOGBOOK

Date: 5/12/05 Time On: 9:25 Time Off: 11:25 Analyst: KB

Place #	Lab ID		Sample Vol (ml) Weight (g)	Sample pH	Pb Ac Paper (Y/N)	O.IN NaAsO2 (ml)	KI Test (Y/N)	4N Sulfamic Acid (ml)	50% H2SO4	2.5M MgCl2 (ml)	Final Volume
1	ICV		50	—	N	—	N	0.5	5	2	50
2	std 0.1		50								50
3	PBSS-181005		1.00								50
4	LCSS		1.00								50
5	D0537	01B	1.16								50
6		01BDUP	1.16								50
7		01BMS	1.16								50
8		02B	1.04								50
9		03B	1.13								50
10		04B	1.01								50
1		05B	1.12								50
2		06B	1.07								50
3		07B	1.25								50
4		08B	1.00								50
5		09B	1.01								50
6		10B	1.00								50
7		11B	1.05								50
8	D0537	12B	1.00								50
9	D0538	01C	1.19								50
10	D0538	02C	1.18	—	N	—	N	0.5	5	2	50

Sulfamic Acid: IR05102601

Na_2AsO_2: —

H_2SO_4: IR0505503

Logbook ID: 100.0169-04/05

std 0.1 IHH05050503

$MgCl_2$: IR0505050501

Cad. Carbonate: —

Temp: 125°C

LCS ID: IHH05050502

Spike ID: IHJ05050301

ICV ID: IHH05050501

Std.0.2: —

Reviewed By: SBL 5/26/05

0914

MITKEM CORPORATION: CYANIDE DISTILLATION LOGBOOK

Date: 5/12/05 Time On: 14:30 Time Off: 16:30 Analyst: SW/KB

Place #	Lab ID		Sample Vol (ml) Weight (g)	Sample pH	Pb Ac Paper (Y/N)	O.1N NaAsO2 (ml)	KI Test (Y/N)	4N Sulfamic Acid (ml)	50% H2SO4	2.5M MgCl2 (ml)	Final Volume
1	D0538	03C	1.25	—	N	—	N	0.5	5	2	50
2	PBSS -18106		1.00 ✓								50
3	LCSS		1.03 ✓								50
4	D0529	01B	1.03 5/12/05 SW ✓								50
5	D0529	01BDUP	1.03 5/12/05 SW ✓								50
6	D0529	01BMS	1.04 ✓								50
7	D0523	01B	1.25								50
8	std 0.2		50	—	N	—	N	0.5	5	2	50
9											50
10											50
1											50
2											50
3											50
4											50
5											50
6											50
7											50
8											50
9											50
10											50

5/12/05 KB

LCS ID: IWP041105A (D0537)

Sulfamic Acid: _____ see p. 11

$MgCl_2$: _____

Spike ID: IWI050503a2

Na_2AsO_2: _____

Cad. Carbonate: _____

ICV ID: _____

H_2SO_4: _____

Temp: _____

Std.0.2: IWI050512/03

Logbook ID: 100.0169-04/05

Reviewed By: SBL 5/26/05

0915

MITKEM CORPORATION: CYANIDE DISTILLATION LOGBOOK

Date: 5/16/05 Time On: 9:45 12:30 Time Off: 11:45 14:30 Analyst: SW

Place #	Lab ID		Sample Vol (ml) Weight (g)	Sample pH	Pb Ac Paper (Y/N)	O.1N NaAsO2 (ml)	KI Test (Y/N)	4N Sulfamic Acid (ml)	50% H2SO4	2.5M MgCl2 (ml)	Final Volume
1	ICV		50	—	N	—	N	0.5	5	2	50
2	Std 0.1		50								50
3	Std 0.2		50								50
4	PBSS-18137		50								50
5	LCSS-18137		50								50
6	D0556	03A	1.04								50
7	↓	04A	1.01								50
8	↓	04ADUP	1.01								50
9	D0556	04AMS	1.01								50
10	PBW1-18140		50								50
1	LCSW1-18140		50								50
2	D0549	01D	50								50
3	D0549	01DDUP	50								50
4	D0549	01D MS	50								50
5	PBW2 -~~18140~~ 5/17/05 TCD	18165	50								50
6	D0529	03C	50								50
7	D0529	03C DUP	50	↓	↓	↓	↓	↓	↓	↓	50
8	D0529	03CMS	50	—	N	—	N	0.5	5	2	50
9											50
10		SW 5/17/05									50

Sulfamic Acid: IR0505120 7

Na_2AsO_2: —

H_2SO_4: IR0505120 6

Logbook ID: 100.0169-04/05

Std 0.1 : IWW0505120 2

$MgCl_2$: IR0505050 1

Cad. Carbonate: —

Temp: 125°C

LCS ID: IWW0505120 1
IWI0505032

Spike ID: IWI0505301

ICV ID: IWW0505120 4

Std.0.2: IWW0505120 3

Reviewed By: SW 5/19/05

0916

Percent Moisture and Percent Solids Report

Mitkem Sample ID	*Client Sample ID*	*Analyzed*	*Percent Moisture*	*Percent Solids*	*Validated*
D0529-01A	*B-3 (9.0')*	05/13/2005	17	83	Yes
D0529-02A	*B-3 (3.0')*	05/13/2005	13	87	Yes

Last Page of Data Report

MITKEM CORPORATION

"Environmental Testing For The New Millennium"

June 22, 2005

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Chris Davidson

RE: Client Project: 5 Hunt Road, Jamestown, NY
Lab Work Order #: D0603

Dear Mr. Davidson:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project.

If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

Agnes R. Ng
CLP Project Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499 • www.mitkem.com

MITKEM CORPORATION

* Data Summary Pack *

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Identification and Analytical Requirements Summary

Project Name: **5 HUNTS ROAD, JAMESTOWN** SDG: **D0603**

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOA GC/MS Method #	SVOA GC/MS Method #	Pest/PCB Method #	Metals	Other
B-840	D0603-01	ASP				SEE DATA
B-1130	D0603-02	ASP				

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **5 HUNTS ROAD, JAMESTOWN** SDG: **D0603**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0603-01A	SL	05/23/2005	05/25/2005	5/26/05, 6/1/05	5/26/05, 6/2/05
D0603-02A	SL	05/23/2005	05/25/2005	05/27/2005	05/27/2005

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **5 HUNTS ROAD, JAMESTOWN** SDG: **D0603**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
D0603-01A	SL	ASP	DI Water, Methanol	Low, Medium	1, 250
D0603-02A	SL	ASP	Di Water	Low	1

NYASP 10/95

Analytical Data Package for Day Environmental, Inc.

Client Project No.: 5 Hunt Road, Jamestown, NY

Mitkem Work Order ID: D0603

June 22, 2005

Prepared For:

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Jeff Danzinger

Prepared By:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Day Environmental Inc.'s 5 Hunt Road, Jamestown, NY project. Under this deliverable, analysis results are presented for two soil samples that were received on May 25, 2005. Analyses were performed per specifications in the project's contract and the chain of custody forms. Sample Identifications were shortened where necessary due to limitations in data reporting software. Following the narrative is a table of sample identifications for cross-referencing full client sample ID, shortened client sample ID and laboratory sample ID, along with the Mitkem Work Order.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable with the exception of total petroleum hydrocarbons. The analysis results for total petroleum hydrocarbons are presented in the standard Mitkem format with supporting raw data.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatiles Analysis:

Trap used for instruments V1 and V6: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

Alkanes were determined as part of TIC. The alkanes are reported in the Alkane Narrative Report following the SDG Narrative.

Surrogate recovery: recoveries were within the QC limits with the exception of high recovery of bromofluorobenzene in sample B-840. The sample was re-analyzed at dilution with surrogate recoveries within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: due to high concentration of target analytes, sample B-840 was re-analyzed at dilution by the medium-level approach. In addition to the medium-level analysis, the sample was also analyzed at 2x dilution. No other unusual observation was made for the analysis.

3. Total Petroleum Hydrocarbon Analysis:

Surrogate recovery: recovery was within the QC limits.

Lab control sample: spike recovery was within the QC limits.

Sample analysis: sample B-840 contains resolved and unresolved peaks in the retention time range for a mixture of three petroleum products, two being typical diesel fuel and motor oil. The third product is in the range for a low boiling point product such as gasoline, but the pattern of resolved and unresolved peaks does not match the laboratory standard gasoline. The pattern is similar to keosene or jet fuel, but appears to be in a lower boiling point range than these products. The chromatograms for diesel fuel and motor oil are included. No other unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Agnes Ng
CLP Project Manager
06/22/05

ALKANE NARRATIVE REPORT
Report date : 06/18/2005
SDG: MD0603

Client Sample ID: B-840 Lab Sample ID: D0603-01A File ID: V1G7823

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	10.96	870	J
Cyclic Alkane	11.71	1400	J
Cyclic Alkane	12.42	450	J
Straight-chain Alkane	12.58	1800	J
Branched Alkane	12.93	640	J
Cyclic Alkane	13.28	780	J
Straight-chain Alkane	13.94	470	J

Client Sample ID: B-840DL Lab Sample ID: D0603-01ADL File ID: V6D6397

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	9.74	12000	JD
Branched Alkane	10.41	11000	JD
Branched Alkane	10.58	7200	JD
Straight-chain Alkane	11.48	43000	JD
Branched Alkane	11.85	20000	JD
Cyclic Alkane	12.18	8600	JD
Branched Alkane	12.54	4500	JD
Straight-chain Alkane	12.91	12000	JD

*Mitkem and Client Sample ID Summary Report**

Mitkem Workorder: D0603

Client Name: Day Environmental, Inc

Mitkem Sample ID	*Reported Client Sample ID*	*Full Client Sample ID*
D0603-01A	B-840	B-8 (4.0')
D0603-02A	B-1130	B-11 (3.0')

** If client sample ID has not been truncated, the full client sample ID is listed in the column labeled "Reported Client Sample ID"*

Mitkem Corporation

26/May/05 14:21

WorkOrder: D0603

Client ID: DAY
Project: Jamestown
Location: 5 HUNTS ROAD, JAMESTOWN
Comments: N/A

Case:
SDG:
PO: 3563S-04

Report Level: ASP-B
EDD:
HC Due: 06/15/05
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage
D0603-01A	B-840	05/23/05 09:54	05/25/05	Soil	OLM4.2_VOA_LOW_S	NYS CLP - ADD LCS	☐	☐	☐	VOA
					PMoist		☐	☐	☐	VOA
					TPH_S	PLUS FUEL ID, method 310.	☐	☐	☐	VOA
D0603-02A	B-1130	05/23/05 11:41	05/25/05	Soil	OLM4.2_VOA_LOW_S	NYS CLP - ADD LCS	☐	☐	☐	VOA
					PMoist		☐	☐	☐	VOA

Client Rep: Agnes R Ng

MITKEM CORPORATION

Analysis Report: Fuel Identification

Client: DAY
Analysis: 310.13
Matrix: Soil
Extraction Date: 06/02/2005

Lab ID	Client ID	Result	Analysis Date:
D0603-01	B-8(4.0')	see below	06/07/2005

Fuel Identification:

Sample D0603-01A contains resolved and unresolved peaks in the retention time ranges for a mixture of three petroleum products, two being typical Diesel Fuel and Motor Oil. The third product is in the range for a low boiling point product such as gasoline, but the pattern of resolved and unresolved peaks does not match the laboratory standard gasoline. The pattern is similar to kerosene or jet fuel, but appears to be in a lower boiling point range than these products.

Mitkem Corporation

Date: *14-Jun-05*

Client: Day Environmental, Inc.
Client Sample ID: B-840
Lab ID: D0603-01

Project: Jamestown
Collection Date: 05/23/05 09:54

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL PETROLEUM HYDROCARBONS (TPH) BY GC-FID				**TPH_S**			
Extractable Total Petroleum Hydrocarbon	250		18	mg/Kg	1	06/07/2005 09:30	18361
Surr: para-Terphenyl	81.3		64.7-104	%REC	1	06/07/2005 09:30	18361

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanitiation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *14-Jun-05*

CLIENT: Day Environmental, Inc.
Work Order: D0603
Project: Jamestown

ANALYTICAL QC SUMMARY REPORT

TestCode: TPH_S

Sample ID **MB-18361**	SampType: **MBLK**	TestCode: **TPH_S**			Prep Date: **06/02/2005**		Run ID: **F1_050606B**			
Client ID: **MB-18361**	Batch ID: **18361**	Units: **mg/Kg**			Analysis Date: **06/06/2005**		SeqNo: **356986**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	ND	12									
Surr: para-Terphenyl	1.49	0.83	1.667	0	89.4	64.7	104	0	0		

Sample ID **LCS-18361**	SampType: **LCS**	TestCode: **TPH_S**			Prep Date: **06/02/2005**		Run ID: **F1_050606B**			
Client ID: **LCS-18361**	Batch ID: **18361**	Units: **mg/Kg**			Analysis Date: **06/06/2005**		SeqNo: **356987**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	119.4	12	166.7	0	71.6	67.3	108	0	0		
Surr: para-Terphenyl	1.231	0.83	1.667	0	73.9	64.7	104	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B-1130

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-02A

Sample wt/vol: 6.2 (g/mL) G Lab File ID: V1G7837

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. 24 Date Analyzed: 05/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	79	
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	2	J
78-93-3	2-Butanone	24	
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-1130

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-02A

Sample wt/vol: 6.2 (g/mL) G Lab File ID: V1G7837

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. 24 Date Analyzed: 05/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	1	J
108-87-2	Methylcyclohexane	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	9	JB
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (Total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B-1130

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-02A

Sample wt/vol: 6.2 (g/mL) G Lab File ID: V1G7837

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. 24 Date Analyzed: 05/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-840

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-01A

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V1G7823

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. 32 Date Analyzed: 05/26/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl Chloride	320	E
74-83-9	Bromomethane	14	U
75-00-3	Chloroethane	14	U
75-69-4	Trichlorofluoromethane	14	U
75-35-4	1,1-Dichloroethene	18	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U
67-64-1	Acetone	20	
75-15-0	Carbon Disulfide	14	J
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	14	U
156-60-5	trans-1,2-Dichloroethene	74	
1634-04-4	Methyl tert-Butyl Ether	14	U
75-34-3	1,1-Dichloroethane	2	J
156-59-2	cis-1,2-Dichloroethene	4300	E
78-93-3	2-Butanone	14	U
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	14	U
110-82-7	Cyclohexane	2	J
56-23-5	Carbon Tetrachloride	14	U
71-43-2	Benzene	14	U
107-06-2	1,2-Dichloroethane	14	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-840

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-01A

Sample wt/vol: 5.1(g/mL) G Lab File ID: V1G7823

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. 32 Date Analyzed: 05/26/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	2200	E
108-87-2	Methylcyclohexane	4	J
78-87-5	1,2-Dichloropropane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
108-88-3	Toluene	15	
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
127-18-4	Tetrachloroethene	12000	E
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	14	U
106-93-4	1,2-Dibromoethane	14	U
108-90-7	Chlorobenzene	2	J
100-41-4	Ethylbenzene	4	J
1330-20-7	Xylene (Total)	36	
100-42-5	Styrene	14	U
75-25-2	Bromoform	14	U
98-82-8	Isopropylbenzene	3	J
79-34-5	1,1,2,2-Tetrachloroethane	14	U
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U

1F

EPA SAMPLE NO.

B-840

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-01A

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V1G7823

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. 32 Date Analyzed: 05/26/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.29	440	J
2.	STRAIGHT-CHAIN ALKANE	10.96	870	J
3.	UNKNOWN	11.34	930	J
4.	UNKNOWN	11.45	210	J
5.	UNKNOWN	11.58	610	J
6.	UNKNOWN	11.63	330	J
7.	CYCLIC ALKANE	11.71	1400	J
8.	UNKNOWN	11.94	540	J
9.	UNKNOWN	12.12	310	J
10.	UNKNOWN	12.17	470	J
11.	UNKNOWN	12.25	910	J
12.	CYCLIC ALKANE	12.42	450	J
13.	UNKNOWN	12.48	530	J
14.	UNKNOWN	12.54	860	J
15.	STRAIGHT-CHAIN ALKANE	12.58	1800	J
16.	UNKNOWN	12.69	300	J
17.	UNKNOWN	12.74	240	J
18.	UNKNOWN	12.89	270	J
19.	BRANCHED ALKANE	12.93	640	J
20.	UNKNOWN	13.03	750	J
21.	UNKNOWN	13.18	740	J
22.	CYCLIC ALKANE	13.28	780	J
23.	UNKNOWN	13.40	310	J
24.	UNKNOWN	13.45	230	J
25.	UNKNOWN	13.49	320	J
26.	UNKNOWN	13.59	310	J
27. 493-02-7	NAPHTHALENE, DECAHYDRO-, TRA	13.82	480	NJ
28.	STRAIGHT-CHAIN ALKANE	13.94	470	J
29.	UNKNOWN	14.02	250	J
30.	UNKNOWN	14.14	240	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-840DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-01ADL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6397

Level: (low/med) MED Date Received: 05/25/05

% Moisture: not dec. 32 Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	3700	U
74-87-3	Chloromethane	3700	U
75-01-4	Vinyl Chloride	3700	U
74-83-9	Bromomethane	3700	U
75-00-3	Chloroethane	3700	U
75-69-4	Trichlorofluoromethane	3700	U
75-35-4	1,1-Dichloroethene	3700	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3700	U
67-64-1	Acetone	3700	U
75-15-0	Carbon Disulfide	3700	U
79-20-9	Methyl Acetate	3700	U
75-09-2	Methylene Chloride	3700	U
156-60-5	trans-1,2-Dichloroethene	3700	U
1634-04-4	Methyl tert-Butyl Ether	3700	U
75-34-3	1,1-Dichloroethane	3700	U
156-59-2	cis-1,2-Dichloroethene	890	DJ
78-93-3	2-Butanone	3700	U
67-66-3	Chloroform	3700	U
71-55-6	1,1,1-Trichloroethane	3700	U
110-82-7	Cyclohexane	3700	U
56-23-5	Carbon Tetrachloride	3700	U
71-43-2	Benzene	3700	U
107-06-2	1,2-Dichloroethane	3700	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-840DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-01ADL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6397

Level: (low/med) MED Date Received: 05/25/05

% Moisture: not dec. 32 Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	790	DJ
108-87-2	Methylcyclohexane	3700	U
78-87-5	1,2-Dichloropropane	3700	U
75-27-4	Bromodichloromethane	3700	U
10061-01-5	cis-1,3-Dichloropropene	3700	U
108-10-1	4-Methyl-2-Pentanone	3700	U
108-88-3	Toluene	3700	U
10061-02-6	trans-1,3-Dichloropropene	3700	U
79-00-5	1,1,2-Trichloroethane	3700	U
127-18-4	Tetrachloroethene	25000	D
591-78-6	2-Hexanone	3700	U
124-48-1	Dibromochloromethane	3700	U
106-93-4	1,2-Dibromoethane	3700	U
108-90-7	Chlorobenzene	3700	U
100-41-4	Ethylbenzene	3700	U
1330-20-7	Xylene (Total)	3700	U
100-42-5	Styrene	3700	U
75-25-2	Bromoform	3700	U
98-82-8	Isopropylbenzene	3700	U
79-34-5	1,1,2,2-Tetrachloroethane	3700	U
541-73-1	1,3-Dichlorobenzene	3700	U
106-46-7	1,4-Dichlorobenzene	3700	U
95-50-1	1,2-Dichlorobenzene	3700	U
96-12-8	1,2-Dibromo-3-chloropropane	3700	U
120-82-1	1,2,4-Trichlorobenzene	3700	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B-840DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-01ADL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6397

Level: (low/med) MED Date Received: 05/25/05

% Moisture: not dec. 32 Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	STRAIGHT-CHAIN ALKANE	9.74	12000	JD
2.	UNKNOWN	10.10	7100	JD
3.	UNKNOWN	10.23	2700	JD
4.	BRANCHED ALKANE	10.41	11000	JD
5.	UNKNOWN	10.52	6500	JD
6.	BRANCHED ALKANE	10.58	7200	JD
7.	UNKNOWN	10.66	3100	JD
8.	UNKNOWN	10.79	3700	JD
9.	UNKNOWN	10.91	7000	JD
10.	UNKNOWN	11.05	12000	JD
11.	UNKNOWN	11.27	3500	JD
12.	UNKNOWN	11.33	4900	JD
13.	UNKNOWN	11.41	12000	JD
14.	STRAIGHT-CHAIN ALKANE	11.48	43000	JD
15.	UNKNOWN	11.62	2700	JD
16.	UNKNOWN	11.66	4400	JD
17.	UNKNOWN	11.72	6400	JD
18.	UNKNOWN	11.80	5900	JD
19.	BRANCHED ALKANE	11.85	20000	JD
20.	UNKNOWN	11.95	7200	JD
21.	UNKNOWN	12.04	4300	JD
22.	UNKNOWN	12.11	10000	JD
23.	CYCLIC ALKANE	12.18	8600	JD
24.	UNKNOWN	12.23	2700	JD
25.	UNKNOWN	12.34	6500	JD
26.	UNKNOWN	12.39	5400	JD
27.	UNKNOWN	12.43	5300	JD
28.	BRANCHED ALKANE	12.54	4500	JD
29.	STRAIGHT-CHAIN ALKANE	12.91	12000	JD
30.	UNKNOWN	13.08	2900	JD

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1NLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18299

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1G7833

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	58	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	58	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1NLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18299

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1G7833

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	60	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	59	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	2	JB
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	58	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6ULCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18359

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6395

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-35-4	1,1-Dichloroethene	6800	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300	U
156-60-5	trans-1,2-Dichloroethene	1300	U
1634-04-4	Methyl tert-Butyl Ether	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone	1300	U
67-66-3	Chloroform	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
110-82-7	Cyclohexane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
71-43-2	Benzene	7300	
107-06-2	1,2-Dichloroethane	1300	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6ULCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18359

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6395

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	6800	
108-87-2	Methylcyclohexane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
108-88-3	Toluene	7600	
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	1300	U
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
106-93-4	1,2-Dibromoethane	1300	U
108-90-7	Chlorobenzene	7600	
100-41-4	Ethylbenzene	1300	U
1330-20-7	Xylene (Total)	1300	U
100-42-5	Styrene	1300	U
75-25-2	Bromoform	1300	U
98-82-8	Isopropylbenzene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
96-12-8	1,2-Dibromo-3-chloropropane	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK6T	102	96	98		0
02	VHBLK6T	98	92	94		0
03						
04						
05						
06						
07						
08						
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	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK1M	103	104	104		0
02	B-840	94	133*	107		1
03	VBLK1N	104	100	113		0
04	V1NLCS	102	100	105		0
05	B-1130	102	98	113		0
06						
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	QC LIMITS
SMC1 (TOL) = Toluene-d8	(84-138)
SMC2 (BFB) = Bromofluorobenzene	(59-113)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK6U	111	103	107		0
02	V6ULCS	94	90	96		0
03	B-840DL	89	106	96		0
04						
05						
06						
07						
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12						
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	QC LIMITS
SMC1 (TOL) = Toluene-d8	(84-138)
SMC2 (BFB) = Bromofluorobenzene	(59-113)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix Spike - Sample No.: V1NLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		58	116	59-172
Trichloroethene	50		60	120	62-137
Benzene	50		58	116	66-142
Toluene	50		59	118	59-139
Chlorobenzene	50		58	116	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix Spike - Sample No.: V6ULCS Level: (low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	6300		6800	108	59-172
Trichloroethene	6300		6800	108	62-137
Benzene	6300		7300	116	66-142
Toluene	6300		7600	121	59-139
Chlorobenzene	6300		7600	121	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1M

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Lab File ID: V1G7812 Lab Sample ID: MB-18283

Date Analyzed: 05/26/05 Time Analyzed: 1132

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: V1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B-840	D0603-01A	V1G7823	1847
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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COMMENTS: _____

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1M

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18283

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1G7812

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/26/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1M

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18283

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1G7812

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/26/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK1M

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18283

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1G7812

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/26/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.86	5	J
2.					
3.					
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5.					
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4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1N

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Lab File ID: V1G7832 Lab Sample ID: MB-18299

Date Analyzed: 05/27/05 Time Analyzed: 1050

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: V1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1NLCS	LCS-18299	V1G7833	1128
02	B-1130	D0603-02A	V1G7837	1345
03				
04				
05				
06				
07				
08				
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30				

COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1N

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18299

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1G7832

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1N

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18299

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1G7832

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	2	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VBLK1N

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18299

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1G7832

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
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24.					
25.					
26.					
27.					
28.					
29.					
30.					

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6U

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Lab File ID: V6D6393 Lab Sample ID: MB-18359

Date Analyzed: 06/02/05 Time Analyzed: 1102

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V6ULCS	LCS-18359	V6D6395	1213
02	B-840DL	D0603-01ADL	V6D6397	1328
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
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16				
17				
18				
19				
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21				
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27				
28				
29				
30				

COMMENTS: _____

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6U

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18359

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6393

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-35-4	1,1-Dichloroethene	1300	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300	U
156-60-5	trans-1,2-Dichloroethene	1300	U
1634-04-4	Methyl tert-Butyl Ether	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone	1300	U
67-66-3	Chloroform	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
110-82-7	Cyclohexane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
71-43-2	Benzene	1300	U
107-06-2	1,2-Dichloroethane	1300	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6U

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18359

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6393

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	1300	U
108-87-2	Methylcyclohexane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
108-88-3	Toluene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	1300	U
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
106-93-4	1,2-Dibromoethane	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
1330-20-7	Xylene (Total)	1300	U
100-42-5	Styrene	1300	U
75-25-2	Bromoform	1300	U
98-82-8	Isopropylbenzene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
96-12-8	1,2-Dibromo-3-chloropropane	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK6U

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18359

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6393

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Lab File ID: V6D6392 Lab Sample ID: MB-18358

Date Analyzed: 06/02/05 Time Analyzed: 1035

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK6T	VHBLK6T	V6D6398	1409
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
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15				
16				
17				
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20				
21				
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24				
25				
26				
27				
28				
29				
30				

COMMENTS: _____

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) WATER Lab Sample ID: MB-18358

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6392

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) WATER Lab Sample ID: MB-18358

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6392

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VBLK6T

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) WATER Lab Sample ID: MB-18358

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6392

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6T

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6398

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6T

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6398

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VHBLK6T

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6T

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6398

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

EPA Sample No. (VSTD050##): VSTD0501M Date Analyzed: 05/26/05

Lab File ID (Standard): V1G7811 Time Analyzed: 1049

Instrument ID: V1 Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	249168	5.84	1326262	6.98	1064408	10.57
	UPPER LIMIT	498336	6.34	2652524	7.48	2128816	11.07
	LOWER LIMIT	124584	5.34	663131	6.48	532204	10.07
	EPA SAMPLE						
01	VBLK1M	234312	5.83	1224958	6.98	1019983	10.57
02	B-840	151623	5.83	864834	6.98	758912	10.58
03							
04							
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

EPA Sample No. (VSTD050##): VSTD0501N Date Analyzed: 05/27/05

Lab File ID (Standard): V1G7831 Time Analyzed: 1013

Instrument ID: V1 Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	247586	5.83	1269418	6.97	1007154	10.57
	UPPER LIMIT	495172	6.33	2538836	7.47	2014308	11.07
	LOWER LIMIT	123793	5.33	634709	6.47	503577	10.07
	EPA SAMPLE						
01	VBLK1N	240792	5.82	1257485	6.96	1025303	10.57
02	V1NLCS	258667	5.82	1326700	6.96	1069262	10.57
03	B-1130	145100	5.83	803675	6.97	673578	10.57
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

EPA Sample No. (VSTD050##): VSTD0506T Date Analyzed: 06/02/05

Lab File ID (Standard): V6D6391 Time Analyzed: 0937

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	362447	4.69	1685950	5.80	1624290	9.31
	UPPER LIMIT	724894	5.19	3371900	6.30	3248580	9.81
	LOWER LIMIT	181224	4.19	842975	5.30	812145	8.81
	EPA SAMPLE						
01	VBLK6T	299792	4.70	1323413	5.79	1270109	9.30
02	VBLK6U	287468	4.70	1215398	5.80	1215687	9.31
03	V6ULCS	330637	4.70	1554567	5.80	1480944	9.31
04	B-840DL	330812	4.70	1472898	5.79	1596348	9.31
05	VHBLK6T	332873	4.70	1585784	5.79	1493143	9.31
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Identification and Analytical Requirements Summary

Project Name: **5 HUNTS ROAD, JAMESTOWN** SDG: **D0603**

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOA GC/MS Method #	SVOA GC/MS Method #	Pest/PCB Method #	Metals	Other
B-840	D0603-01	ASP				SEE DATA
B-1130	D0603-02	ASP				

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **5 HUNTS ROAD, JAMESTOWN** SDG: **D0603**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0603-01A	SL	05/23/2005	05/25/2005	5/26/05, 6/1/05	5/26/05, 6/2/05
D0603-02A	SL	05/23/2005	05/25/2005	05/27/2005	05/27/2005

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **5 HUNTS ROAD, JAMESTOWN** SDG: **D0603**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
D0603-01A	SL	ASP	DI Water, Methanol	Low, Medium	1, 250
D0603-02A	SL	ASP	Di Water	Low	1

NYASP 10/95

Analytical Data Package for Day Environmental, Inc.

Client Project No.: 5 Hunt Road, Jamestown, NY

Mitkem Work Order ID: D0603

June 22, 2005

Prepared For:

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Jeff Danzinger

Prepared By:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Day Environmental Inc.'s 5 Hunt Road, Jamestown, NY project. Under this deliverable, analysis results are presented for two soil samples that were received on May 25, 2005. Analyses were performed per specifications in the project's contract and the chain of custody forms. Sample Identifications were shortened where necessary due to limitations in data reporting software. Following the narrative is a table of sample identifications for cross-referencing full client sample ID, shortened client sample ID and laboratory sample ID, along with the Mitkem Work Order.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable with the exception of total petroleum hydrocarbons. The analysis results for total petroleum hydrocarbons are presented in the standard Mitkem format with supporting raw data.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatiles Analysis:

Trap used for instruments V1 and V6: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

Alkanes were determined as part of TIC. The alkanes are reported in the Alkane Narrative Report following the SDG Narrative.

Surrogate recovery: recoveries were within the QC limits with the exception of high recovery of bromofluorobenzene in sample B-840. The sample was re-analyzed at dilution with surrogate recoveries within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: due to high concentration of target analytes, sample B-840 was re-analyzed at dilution by the medium-level approach. In addition to the medium-level analysis, the sample was also analyzed at 2x dilution. No other unusual observation was made for the analysis.

3. Total Petroleum Hydrocarbon Analysis:

Surrogate recovery: recovery was within the QC limits.

Lab control sample: spike recovery was within the QC limits.

Sample analysis: sample B-840 contains resolved and unresolved peaks in the retention time range for a mixture of three petroleum products, two being typical diesel fuel and motor oil. The third product is in the range for a low boiling point product such as gasoline, but the pattern of resolved and unresolved peaks does not match the laboratory standard gasoline. The pattern is similar to keosene or jet fuel, but appears to be in a lower boiling point range than these products. The chromatograms for diesel fuel and motor oil are included. No other unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Agnes Ng
CLP Project Manager
06/22/05

ALKANE NARRATIVE REPORT
Report date : 06/18/2005
SDG: MD0603

Client Sample ID: B-840 Lab Sample ID: D0603-01A File ID: V1G7823

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	10.96	870	J
Cyclic Alkane	11.71	1400	J
Cyclic Alkane	12.42	450	J
Straight-chain Alkane	12.58	1800	J
Branched Alkane	12.93	640	J
Cyclic Alkane	13.28	780	J
Straight-chain Alkane	13.94	470	J

Client Sample ID: B-840DL Lab Sample ID: D0603-01ADL File ID: V6D6397

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	9.74	12000	JD
Branched Alkane	10.41	11000	JD
Branched Alkane	10.58	7200	JD
Straight-chain Alkane	11.48	43000	JD
Branched Alkane	11.85	20000	JD
Cyclic Alkane	12.18	8600	JD
Branched Alkane	12.54	4500	JD
Straight-chain Alkane	12.91	12000	JD

*Mitkem and Client Sample ID Summary Report**

Mitkem Workorder: D0603

Client Name: Day Environmental, Inc

Mitkem Sample ID	*Reported Client Sample ID*	*Full Client Sample ID*
D0603-01A	B-840	B-8 (4.0')
D0603-02A	B-1130	B-11 (3.0')

** If client sample ID has not been truncated, the full client sample ID is listed in the column labeled "Reported Client Sample ID"*

Mitkem Corporation

26/May/05 14:21

WorkOrder: D0603

Client ID: DAY
Project: Jamestown
Location: 5 HUNTS ROAD, JAMESTOWN
Comments: N/A

Case:
SDG:
PO: 3563S-04

Report Level: ASP-B
EDD:
HC Due: 06/15/05
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage
D0603-01A	B-840	05/23/05 09:54	05/25/05	Soil	OLM4.2_VOA_LOW_S	NYS CLP - ADD LCS				VOA
					PMoist					VOA
					TPH_S	PLUS FUEL ID, method 310.				VOA
D0603-02A	B-1130	05/23/05 11:41	05/25/05	Soil	OLM4.2_VOA_LOW_S	NYS CLP - ADD LCS				VOA
					PMoist					VOA

Client Rep: Agnes R Ng

0007

Sample Transmittal Documentation

MITKEM CORPORATION
175 Metro Center Boulevard
War[illegible], Rhode Island 02886-1755
(401) [illegible]-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

REPORT TO			INVOICE TO		
COMPANY DAY ENVIRONMENTAL INC	PHONE 585 4540210		COMPANY SAME	PHONE	LAB PROJECT #: D0603
NAME DAN NOLL	FAX 585 454 0825		NAME	FAX	
ADDRESS 40 Commercial St			ADDRESS		TURNAROUND TIME: STANDARD
CITY/ST/ZIP Rochester NY 14614			CITY/ST/ZIP		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
5 Hunt road, Jamestown NY	35635-04	

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	TCL VOL ASP CLP+10	TPH 310.13	REQUESTED ANALYSES	COMMENTS
B-8 (4.0)	5-23-05 / 0954		X		X		01	1	X	X		
B-11 (30')	5-23-05 / 1141		X		X		02	1	X			
	/											
	/											
	/											
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	/											
	/											
	/											
	/											
	/											

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	a c R	5-24-05 / 1400	FedEx	5-24-05 / 1400	category B data deliverables	6°C
		/	JJ Healey	5/25/05 T08:30		
		/		/		

6000

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION
Sample Condition Form

Page 1 of 1

Received By:	Reviewed By: JJH	Date:	MITKEM Project #: D0603
Client Project: Jamestown		Client: PAY	

Cooler Sealed Yes / No

1) Custody Seal(s) Present / Absent
Coolers / Bottles
Intact / Broken

2) Custody Seal Number(s) N/A

3) Chain-of-Custody Present / Absent

4) Cooler Temperature 6°C
Coolant Condition OK / Ice

5) Airbill(s) Present / Absent
Airbill Number(s) 859764707971

6) Sample Bottles Intact/Broken/Leakin

7) Date Received 5/25/05

8) Time Received 08:30

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
D0603	01					US	
D0603	02					US	

VOA Matrix Key:
US = Unpreserved Soil **A** = Air
UA = Unpreserved Aqueo **H** = HCl
M/N= MeOH & $NaHSO_4$ **E** = Encore
N = $NaHSO_4$ **M** =MeOH

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes/ no

Form ID: SampleCond.Form-11/04

MITKEM CORPORATION

* Volatiles *

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK6T	102	96	98		0
02	VHBLK6T	98	92	94		0
03						
04						
05						
06						
07						
08						
09						
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	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK1M	103	104	104		0
02	B-840	94	133*	107		1
03	VBLK1N	104	100	113		0
04	V1NLCS	102	100	105		0
05	B-1130	102	98	113		0
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07						
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		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(84-138)
SMC2 (BFB)	= Bromofluorobenzene	(59-113)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK6U	111	103	107		0
02	V6ULCS	94	90	96		0
03	B-840DL	89	106	96		0
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	QC LIMITS
SMC1 (TOL) = Toluene-d8	(84-138)
SMC2 (BFB) = Bromofluorobenzene	(59-113)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix Spike - Sample No.: V1NLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		58	116	59-172
Trichloroethene	50		60	120	62-137
Benzene	50		58	116	66-142
Toluene	50		59	118	59-139
Chlorobenzene	50		58	116	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix Spike - Sample No.: V6ULCS Level:(low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	6300		6800	108	59-172
Trichloroethene	6300		6800	108	62-137
Benzene	6300		7300	116	66-142
Toluene	6300		7600	121	59-139
Chlorobenzene	6300		7600	121	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1M

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Lab File ID: V1G7812 Lab Sample ID: MB-18283

Date Analyzed: 05/26/05 Time Analyzed: 1132

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: V1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B-840	D0603-01A	V1G7823	1847
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1N

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Lab File ID: V1G7832 Lab Sample ID: MB-18299

Date Analyzed: 05/27/05 Time Analyzed: 1050

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: V1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1NLCS	LCS-18299	V1G7833	1128
02	B-1130	D0603-02A	V1G7837	1345
03				
04				
05				
06				
07				
08				
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COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Lab File ID: V6D6392 Lab Sample ID: MB-18358

Date Analyzed: 06/02/05 Time Analyzed: 1035

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK6T	VHBLK6T	V6D6398	1409
02				
03				
04				
05				
06				
07				
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COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6U

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Lab File ID: V6D6393 Lab Sample ID: MB-18359

Date Analyzed: 06/02/05 Time Analyzed: 1102

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V6ULCS	LCS-18359	V6D6395	1213
02	B-840DL	D0603-01ADL	V6D6397	1328
03				
04				
05				
06				
07				
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COMMENTS: _____

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Lab File ID: V1G7750 BFB Injection Date: 05/23/05

Instrument ID: V1 BFB Injection Time: 2025

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.3
75	30.0 - 66.0% of mass 95	39.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	83.3
175	4.0 - 9.0% of mass 174	6.1 (7.4)1
176	93.0 - 101.0% of mass 174	83.3 (100.0)1
177	5.0 - 9.0% of mass 176	5.3 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0501J	VSTD0501J	V1G7751	05/23/05	2054
02	VSTD0101J	VSTD0101J	V1G7752	05/23/05	2124
03	VSTD2001J	VSTD2001J	V1G7753	05/23/05	2153
04	VSTD1001J	VSTD1001J	V1G7754	05/23/05	2223
05	VSTD0201J	VSTD0201J	V1G7755	05/23/05	2252
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Lab File ID: V1G7810 BFB Injection Date: 05/26/05

Instrument ID: V1 BFB Injection Time: 1022

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.1
75	30.0 - 66.0% of mass 95	41.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	86.5
175	4.0 - 9.0% of mass 174	6.6 (7.6)1
176	93.0 - 101.0% of mass 174	82.7 (95.7)1
177	5.0 - 9.0% of mass 176	5.4 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0501M	VSTD0501M	V1G7811	05/26/05	1049
02	VBLK1M	MB-18283	V1G7812	05/26/05	1132
03	B-840	D0603-01A	V1G7823	05/26/05	1847
04					
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06					
07					
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Lab File ID: V1G7830 BFB Injection Date: 05/27/05

Instrument ID: V1 BFB Injection Time: 0949

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.9
75	30.0 - 66.0% of mass 95	40.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	85.3
175	4.0 - 9.0% of mass 174	6.5 (7.6)1
176	93.0 - 101.0% of mass 174	82.6 (96.7)1
177	5.0 - 9.0% of mass 176	5.2 (6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0501N	VSTD0501N	V1G7831	05/27/05	1013
02	VBLK1N	MB-18299	V1G7832	05/27/05	1050
03	V1NLCS	LCS-18299	V1G7833	05/27/05	1128
04	B-1130	D0603-02A	V1G7837	05/27/05	1345
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07					
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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Lab File ID: V6D6360 BFB Injection Date: 06/01/05

Instrument ID: V6 BFB Injection Time: 0942

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.2
75	30.0 - 66.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.8 (0.9)1
174	50.0 - 120.0% of mass 95	86.0
175	4.0 - 9.0% of mass 174	6.1 (7.0)1
176	93.0 - 101.0% of mass 174	81.5 (94.7)1
177	5.0 - 9.0% of mass 176	5.6 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506Q	VSTD0506Q	V6D6361	06/01/05	1012
02	VSTD0106Q	VSTD0106Q	V6D6362	06/01/05	1039
03	VSTD2006Q	VSTD2006Q	V6D6363	06/01/05	1107
04	VSTD1006Q	VSTD1006Q	V6D6364	06/01/05	1134
05	VSTD0206Q	VSTD0206Q	V6D6365	06/01/05	1202
06					
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22					

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Lab File ID: V6D6390 BFB Injection Date: 06/02/05

Instrument ID: V6 BFB Injection Time: 0912

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.4
75	30.0 - 66.0% of mass 95	52.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.5 (0.6)1
174	50.0 - 120.0% of mass 95	88.7
175	4.0 - 9.0% of mass 174	6.7 (7.6)1
176	93.0 - 101.0% of mass 174	84.9 (95.8)1
177	5.0 - 9.0% of mass 176	5.8 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506T	VSTD0506T	V6D6391	06/02/05	0937
02	VBLK6T	MB-18358	V6D6392	06/02/05	1035
03	VBLK6U	MB-18359	V6D6393	06/02/05	1102
04	V6ULCS	LCS-18359	V6D6395	06/02/05	1213
05	B-840DL	D0603-01ADL	V6D6397	06/02/05	1328
06	VHBLK6T	VHBLK6T	V6D6398	06/02/05	1409
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8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

EPA Sample No. (VSTD050##): VSTD0501M Date Analyzed: 05/26/05

Lab File ID (Standard): V1G7811 Time Analyzed: 1049

Instrument ID: V1 Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	249168	5.84	1326262	6.98	1064408	10.57
	UPPER LIMIT	498336	6.34	2652524	7.48	2128816	11.07
	LOWER LIMIT	124584	5.34	663131	6.48	532204	10.07
	EPA SAMPLE						
01	VBLK1M	234312	5.83	1224958	6.98	1019983	10.57
02	B-840	151623	5.83	864834	6.98	758912	10.58
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

EPA Sample No. (VSTD050##): VSTD0501N Date Analyzed: 05/27/05

Lab File ID (Standard): V1G7831 Time Analyzed: 1013

Instrument ID: V1 Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	247586	5.83	1269418	6.97	1007154	10.57
	UPPER LIMIT	495172	6.33	2538836	7.47	2014308	11.07
	LOWER LIMIT	123793	5.33	634709	6.47	503577	10.07
	EPA SAMPLE						
01	VBLK1N	240792	5.82	1257485	6.96	1025303	10.57
02	V1NLCS	258667	5.82	1326700	6.96	1069262	10.57
03	B-1130	145100	5.83	803675	6.97	673578	10.57
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

EPA Sample No. (VSTD050##): VSTD0506T Date Analyzed: 06/02/05

Lab File ID (Standard): V6D6391 Time Analyzed: 0937

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	362447	4.69	1685950	5.80	1624290	9.31
	UPPER LIMIT	724894	5.19	3371900	6.30	3248580	9.81
	LOWER LIMIT	181224	4.19	842975	5.30	812145	8.81
	EPA SAMPLE						
01	VBLK6T	299792	4.70	1323413	5.79	1270109	9.30
02	VBLK6U	287468	4.70	1215398	5.80	1215687	9.31
03	V6ULCS	330637	4.70	1554567	5.80	1480944	9.31
04	B-840DL	330812	4.70	1472898	5.79	1596348	9.31
05	VHBLK6T	332873	4.70	1585784	5.79	1493143	9.31
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-1130

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-02A

Sample wt/vol: 6.2 (g/mL) G Lab File ID: V1G7837

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. 24 Date Analyzed: 05/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	11	U
74-87-3	Chloromethane	11	U
75-01-4	Vinyl Chloride	11	U
74-83-9	Bromomethane	11	U
75-00-3	Chloroethane	11	U
75-69-4	Trichlorofluoromethane	11	U
75-35-4	1,1-Dichloroethene	11	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U
67-64-1	Acetone	79	
75-15-0	Carbon Disulfide	11	U
79-20-9	Methyl Acetate	11	U
75-09-2	Methylene Chloride	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
1634-04-4	Methyl tert-Butyl Ether	11	U
75-34-3	1,1-Dichloroethane	11	U
156-59-2	cis-1,2-Dichloroethene	2	J
78-93-3	2-Butanone	24	
67-66-3	Chloroform	11	U
71-55-6	1,1,1-Trichloroethane	11	U
110-82-7	Cyclohexane	11	U
56-23-5	Carbon Tetrachloride	11	U
71-43-2	Benzene	11	U
107-06-2	1,2-Dichloroethane	11	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-1130

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-02A

Sample wt/vol: 6.2 (g/mL) G Lab File ID: V1G7837

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. 24 Date Analyzed: 05/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	1	J
108-87-2	Methylcyclohexane	11	U
78-87-5	1,2-Dichloropropane	11	U
75-27-4	Bromodichloromethane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
108-88-3	Toluene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
127-18-4	Tetrachloroethene	9	JB
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	11	U
106-93-4	1,2-Dibromoethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
1330-20-7	Xylene (Total)	11	U
100-42-5	Styrene	11	U
75-25-2	Bromoform	11	U
98-82-8	Isopropylbenzene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B-1130

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-02A

Sample wt/vol: 6.2 (g/mL) G Lab File ID: V1G7837

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. 24 Date Analyzed: 05/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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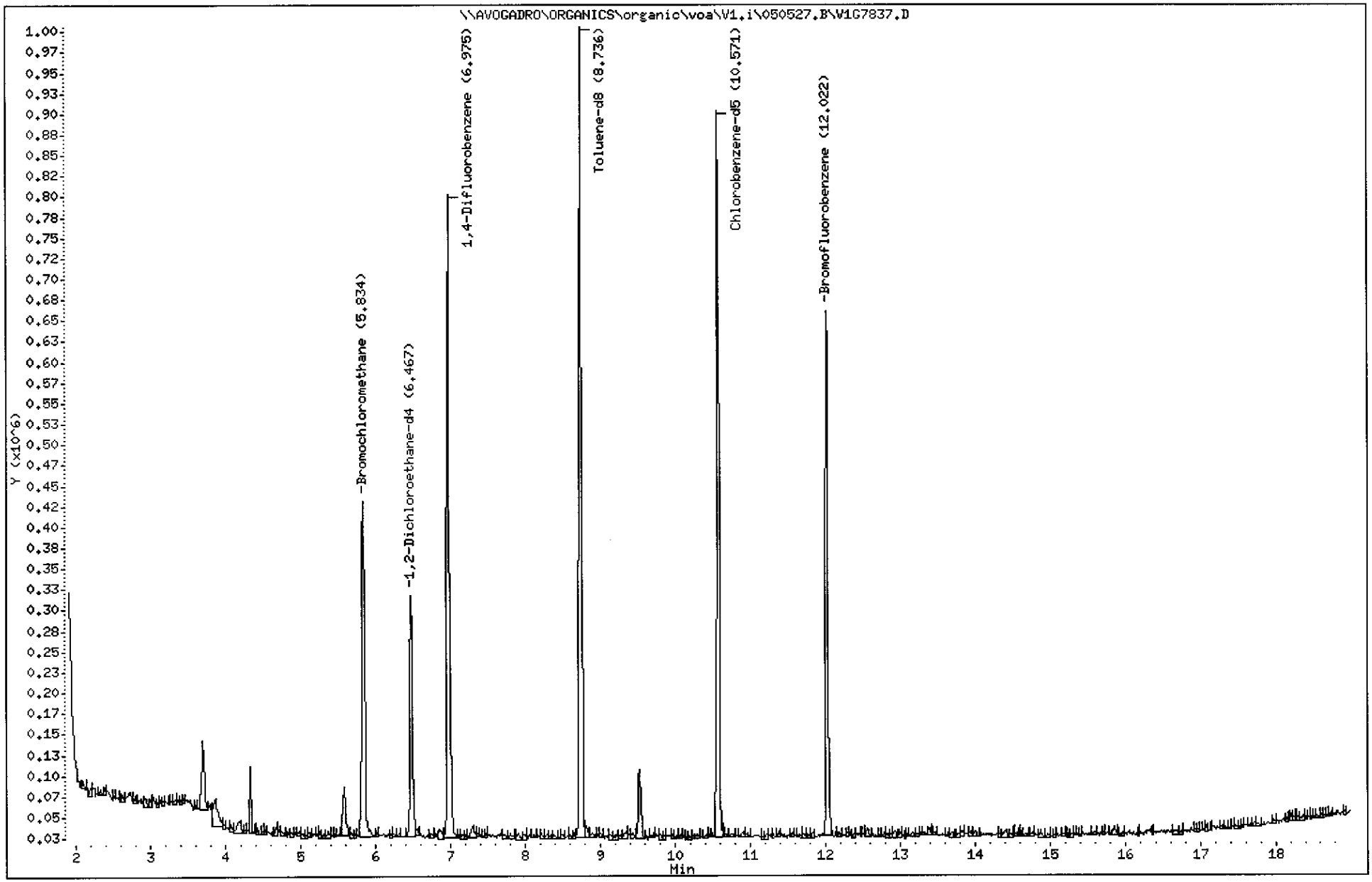
30.				

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7837.D
Date : 27-MAY-2005 13:45
Client ID: B-1130
Instrument: V1.i
Sample Info: ,D0603-02A,,18299,
Operator: LG/YD
Column phase: DB-624
Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7837.D
Report Date: 18-Jun-2005 09:26

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7837.D
Lab Smp Id: D0603-02A Client Smp ID: B-1130
Inj Date : 27-MAY-2005 13:45
Operator : LG/YD Inst ID: V1.i
Smp Info : ,D0603-02A,,18299,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\v1clp4h.m
Meth Date : 18-Jun-2005 09:19 mtl Quant Type: ISTD
Cal Date : 27-MAY-2005 10:13 Cal File: V1G7831.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	6.200	Weight of sample (g)
M	24.000	% Moisture (not decanted)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	9 Acetone	43	3.689	3.689	(0.632)	154326	74.5445	79
	16 2-Butanone	43	5.574	5.574	(0.955)	68281	22.3446	24
	17 cis-1,2-Dichloroethene	96	5.574	5.574	(0.955)	7631	1.71533	2(a)
*	18 Bromochloromethane	128	5.834	5.834	(1.000)	145100	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.466	6.466	(1.108)	216184	56.5981	60
*	26 1,4-Difluorobenzene	114	6.975	6.975	(1.000)	803675	50.0000	
	27 Trichloroethene	130	7.285	7.285	(1.044)	5457	1.23724	1(aQ)
$	33 Toluene-d8	98	8.736	8.736	(0.826)	808856	50.7983	54
	37 Tetrachloroethene	164	9.530	9.530	(0.901)	27743	8.36958	9(a)
*	42 Chlorobenzene-d5	117	10.571	10.571	(1.000)	673578	50.0000	
$	50 Bromofluorobenzene	95	12.022	12.022	(1.137)	292195	49.2414	52

AW 6/18/05

KL

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7837.D
Report Date: 18-Jun-2005 09:26

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7837.D
Report Date: 18-Jun-2005 09:26

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7837.D
Lab Smp Id: D0603-02A Client Smp ID: B-1130
Inj Date : 27-MAY-2005 13:45
Operator : LG/YD Inst ID: V1.i
Smp Info : ,D0603-02A,,18299,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\v1clp4h.m
Meth Date : 18-Jun-2005 09:19 mtl Quant Type: ISTD
Cal Date : 27-MAY-2005 10:13 Cal File: V1G7831.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7837.D

Date : 27-MAY-2005 13:45

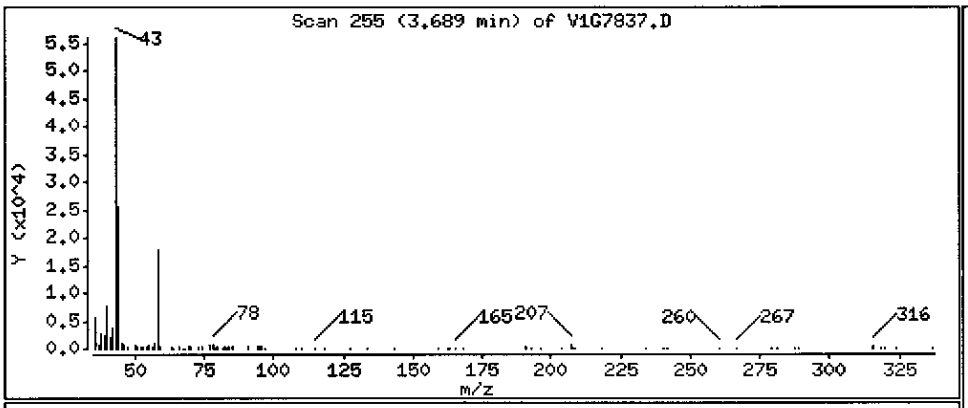
Client ID: B-1130 Instrument: V1.i

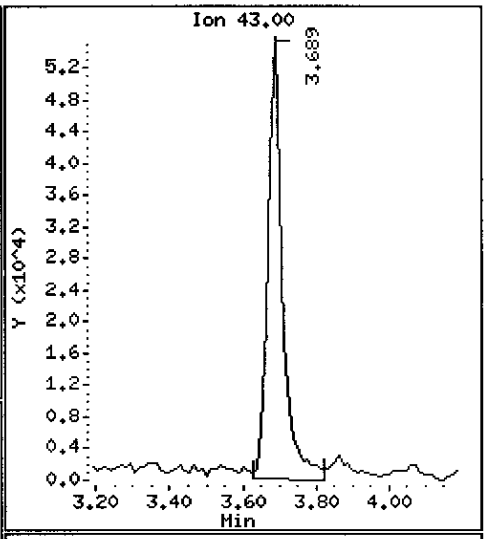
Sample Info: ,D0603-02A,,18299,

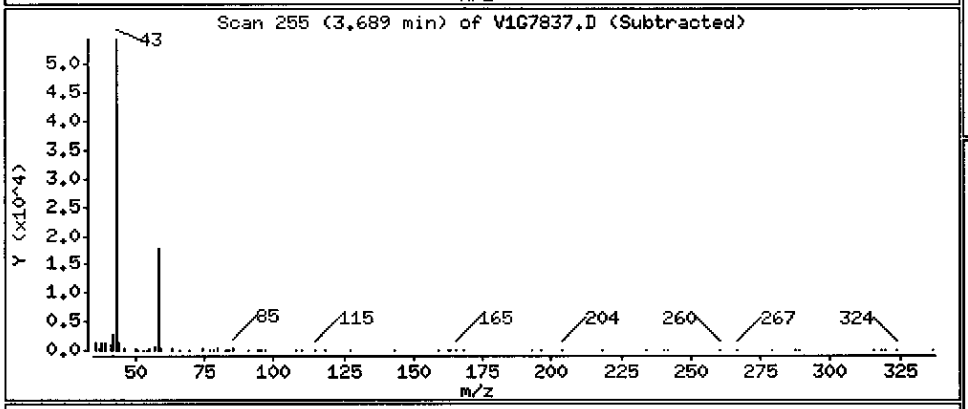
Operator: LG/YD

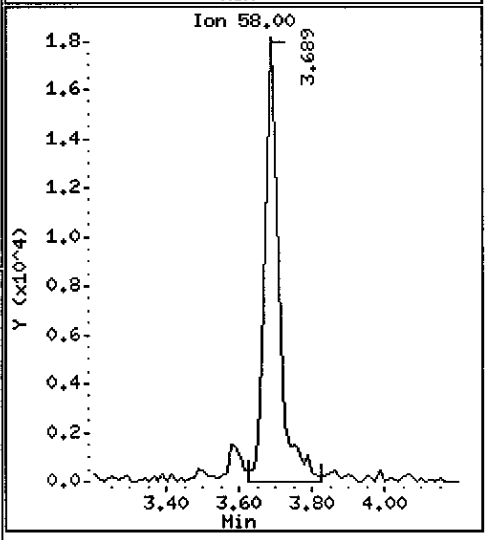
Column phase: DB-624 Column diameter: 0.25

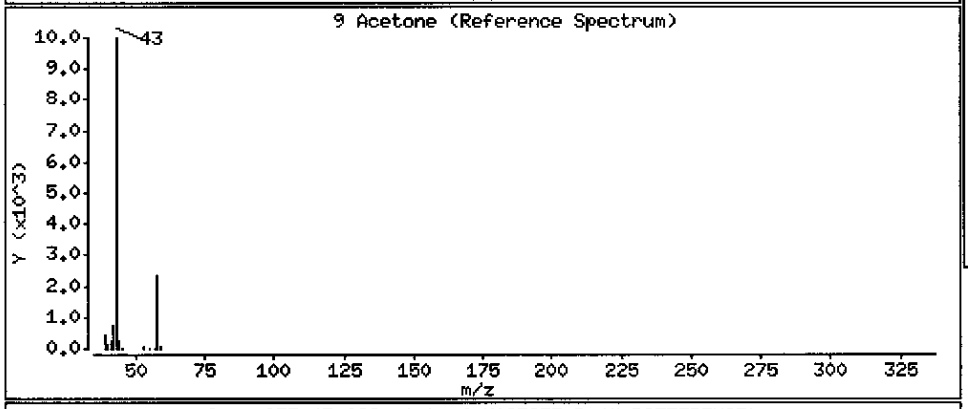
9 Acetone Concentration: 79 ug/Kg

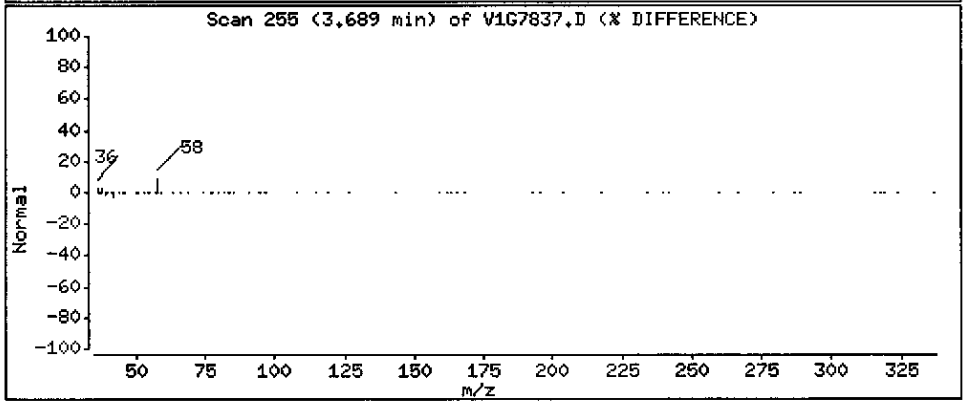












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7837.D

Date : 27-MAY-2005 13:45

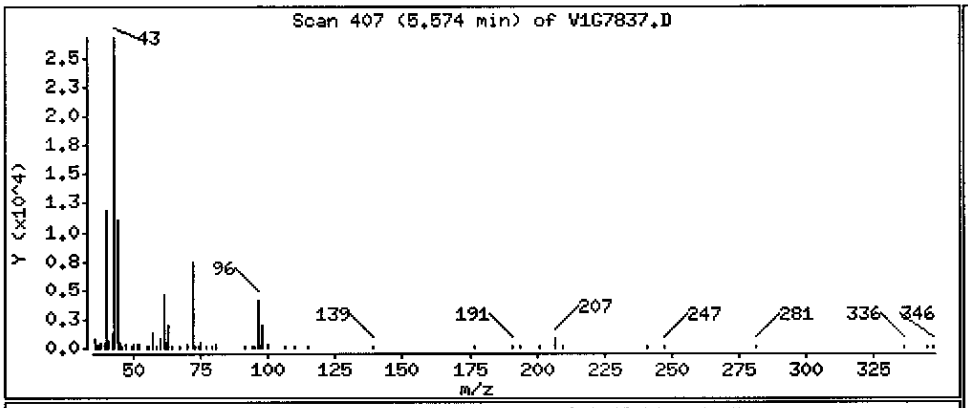
Client ID: B-1130 Instrument: V1.i

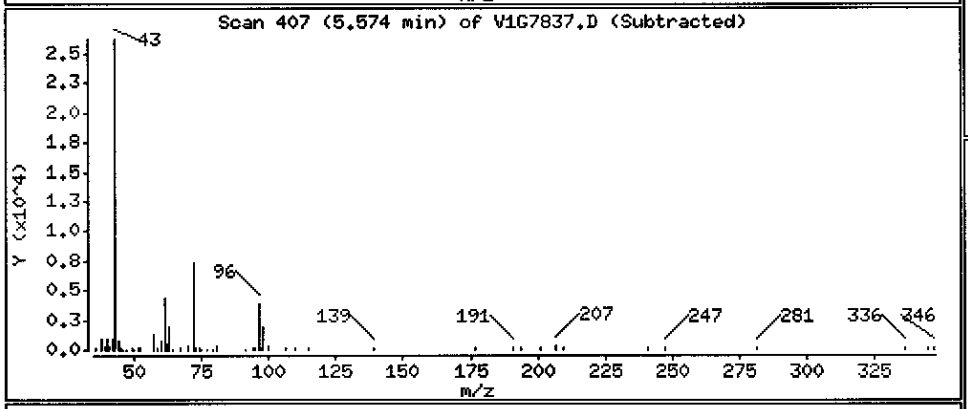
Sample Info: ,D0603-02A,,18299,

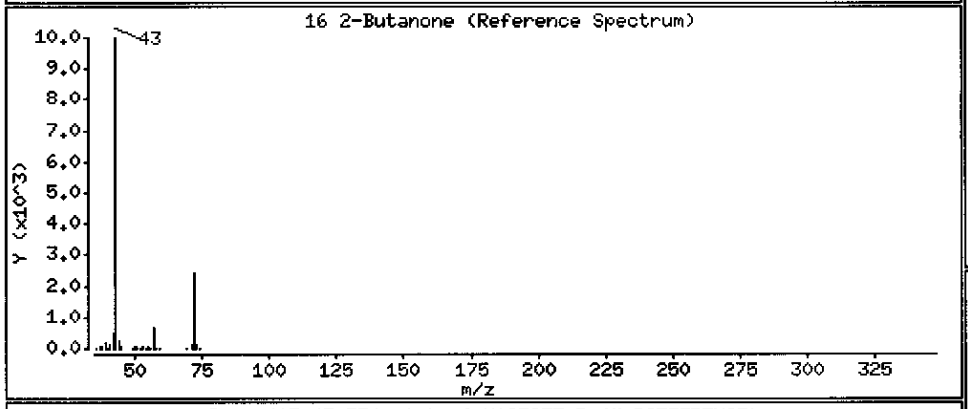
Operator: LG/YD

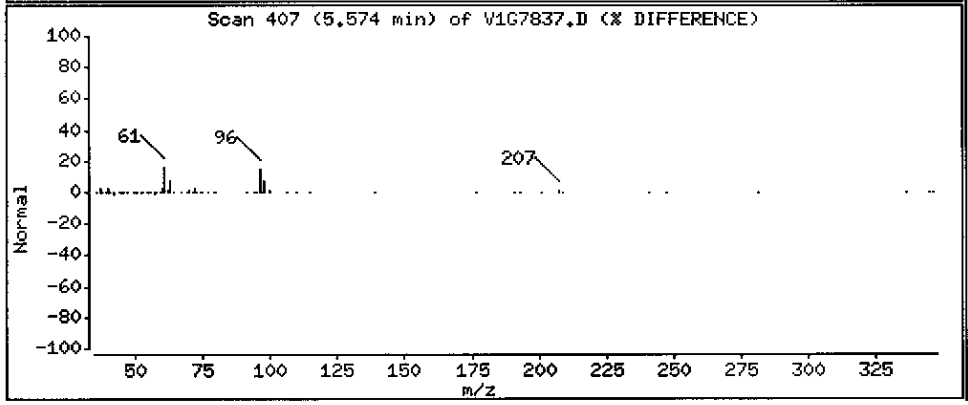
Column phase: DB-624 Column diameter: 0.25

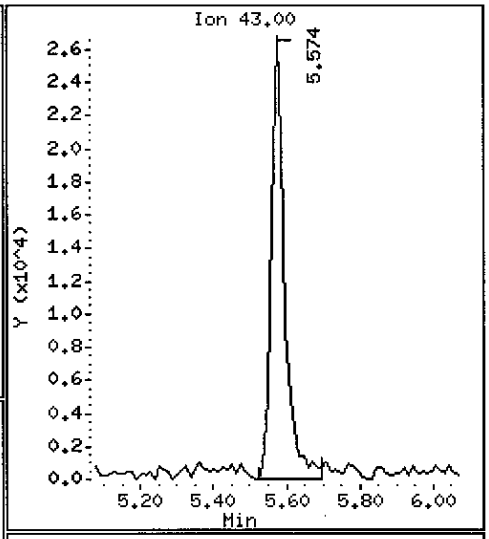
16 2-Butanone Concentration: 24 ug/Kg

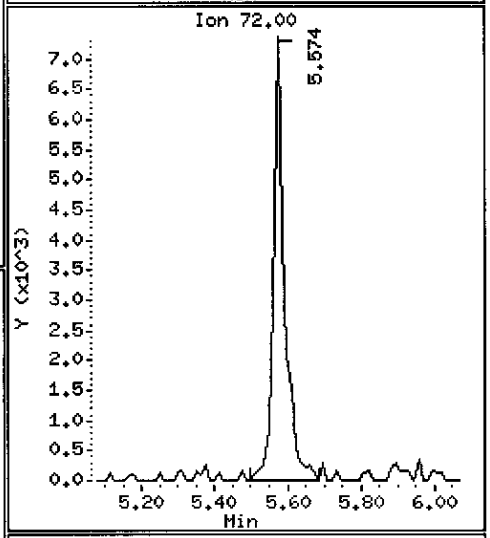


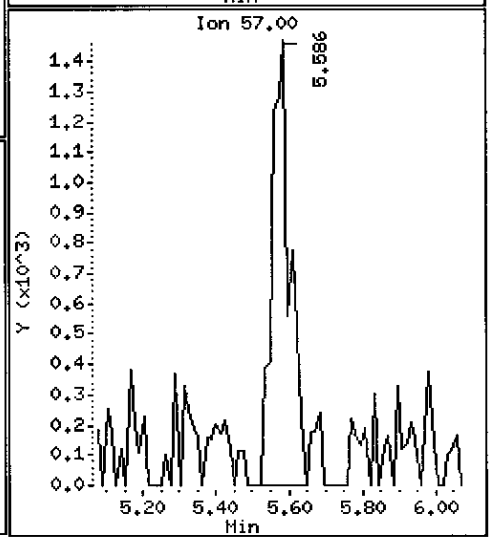












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7837.D

Date : 27-MAY-2005 13:45

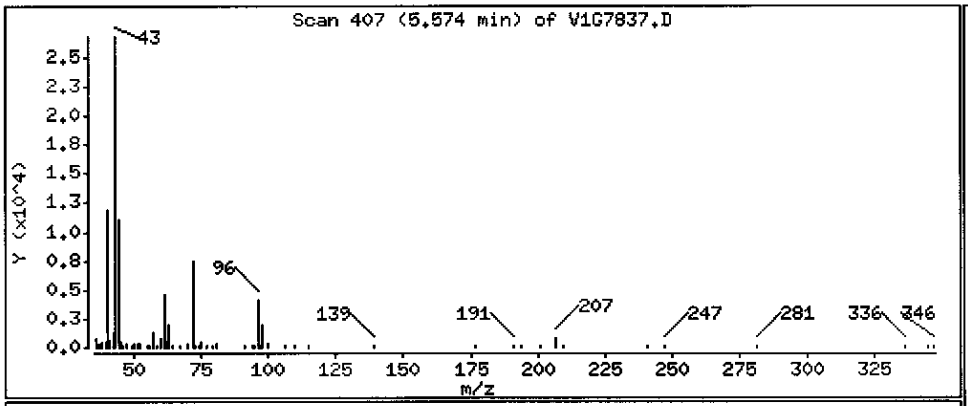
Client ID: B-1130 Instrument: V1.i

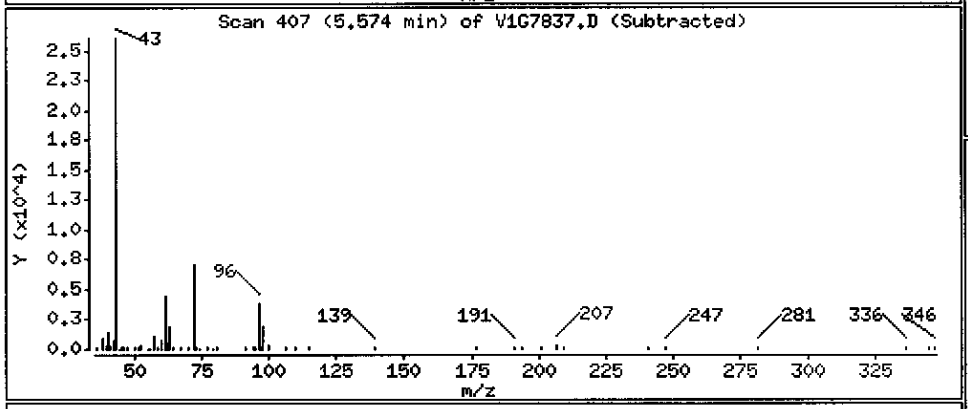
Sample Info: ,D0603-02A,,18299,

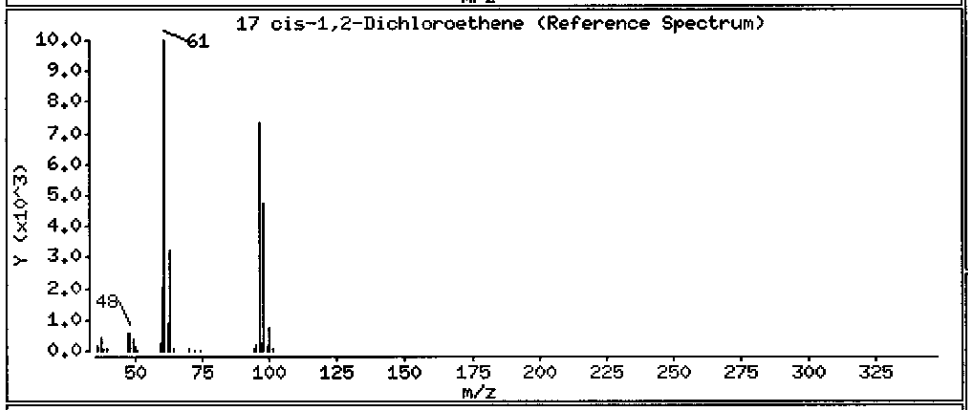
Operator: LG/YD

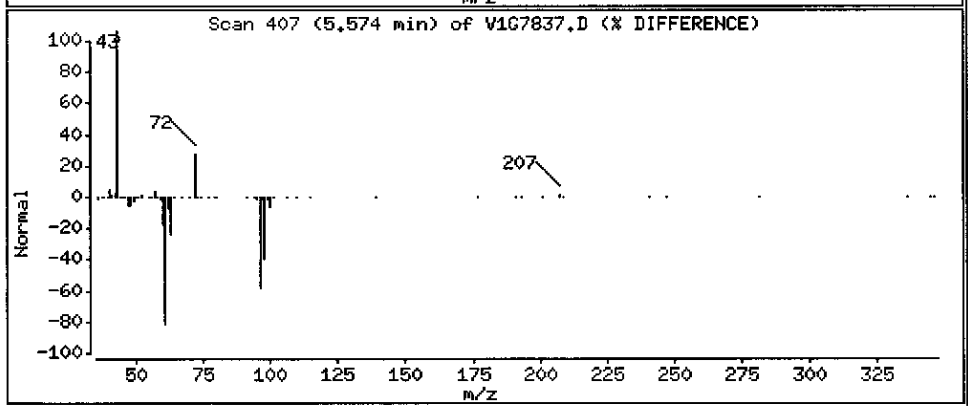
Column phase: DB-624 Column diameter: 0.25

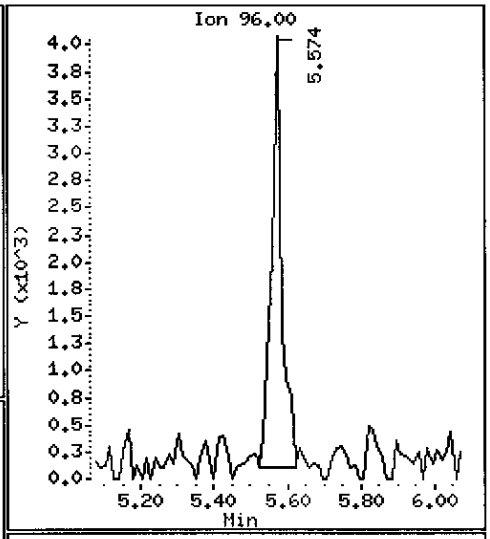
17 cis-1,2-Dichloroethene Concentration: 2 ug/Kg

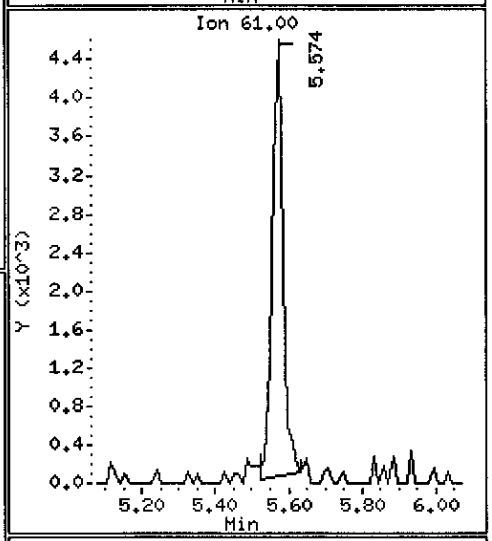


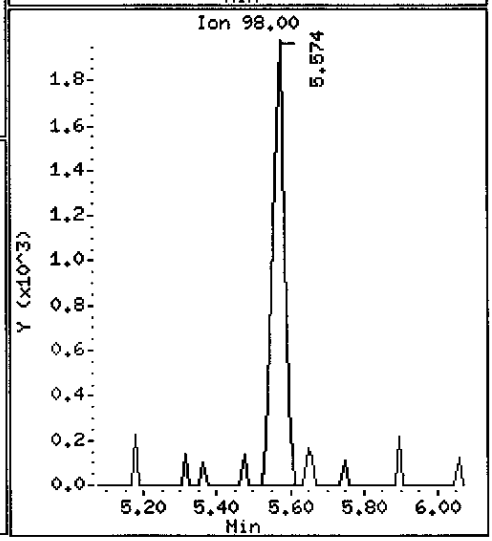












Data File: \\AVOCADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7837.D

Date : 27-MAY-2005 13:45

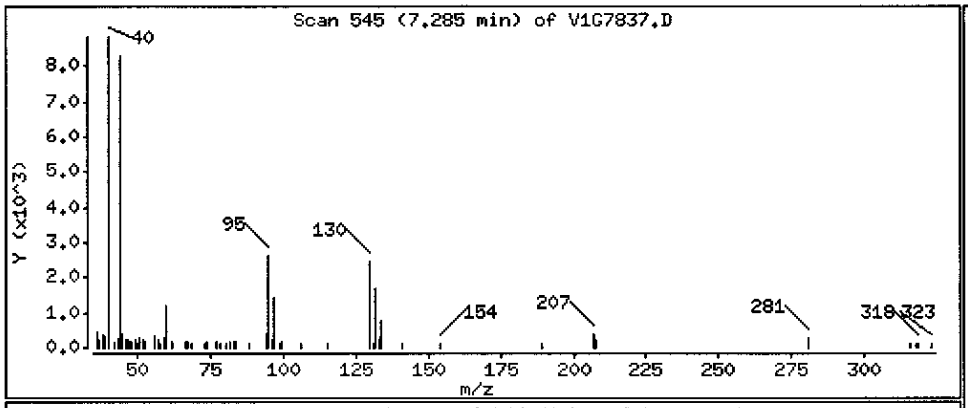
Client ID: B-1130 Instrument: V1.i

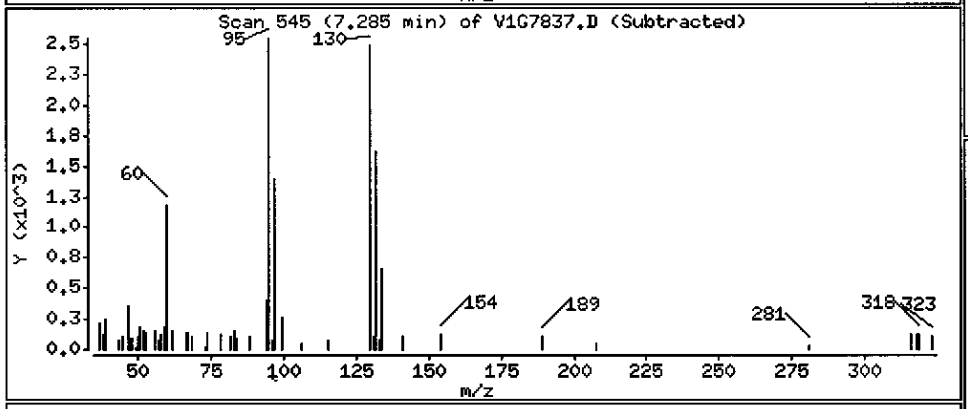
Sample Info: ,D0603-02A,,18299,

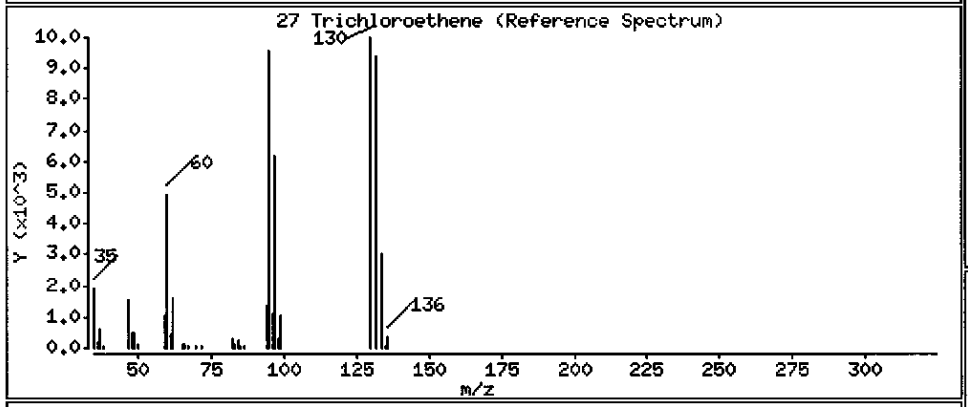
Operator: LG/YD

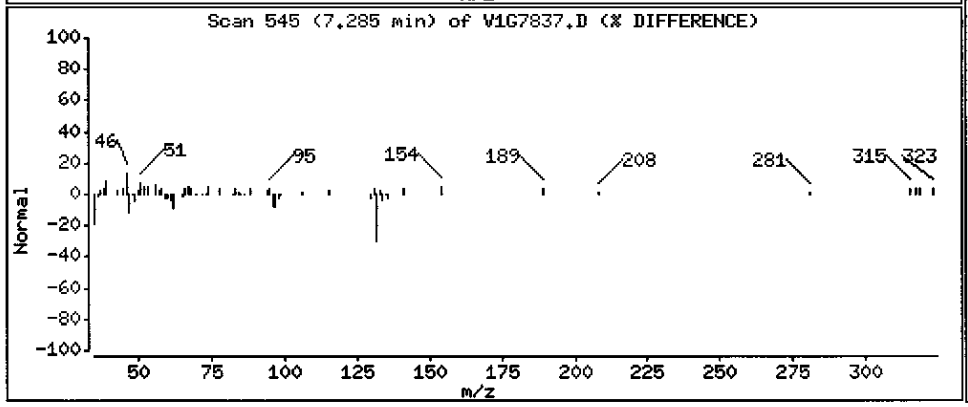
Column phase: DB-624 Column diameter: 0.25

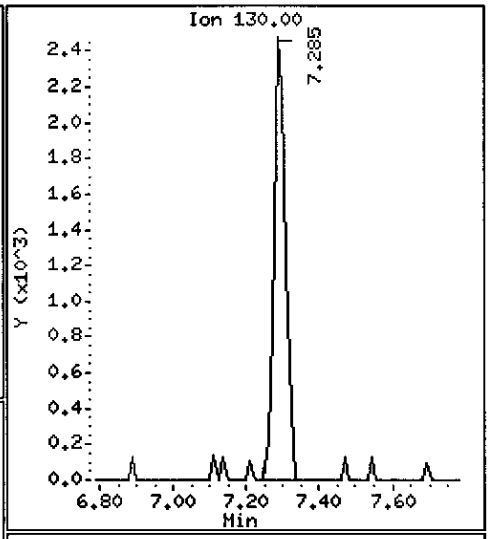
27 Trichloroethene Concentration: 1 ug/Kg

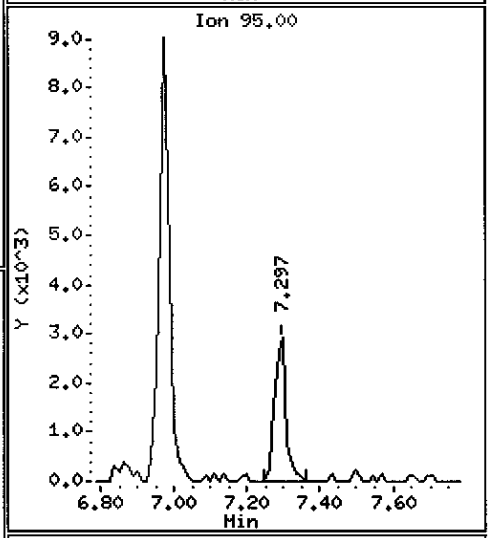


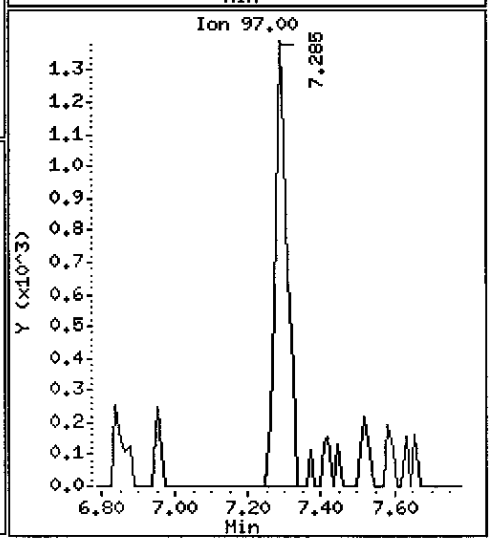












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7837.D

Date : 27-MAY-2005 13:45

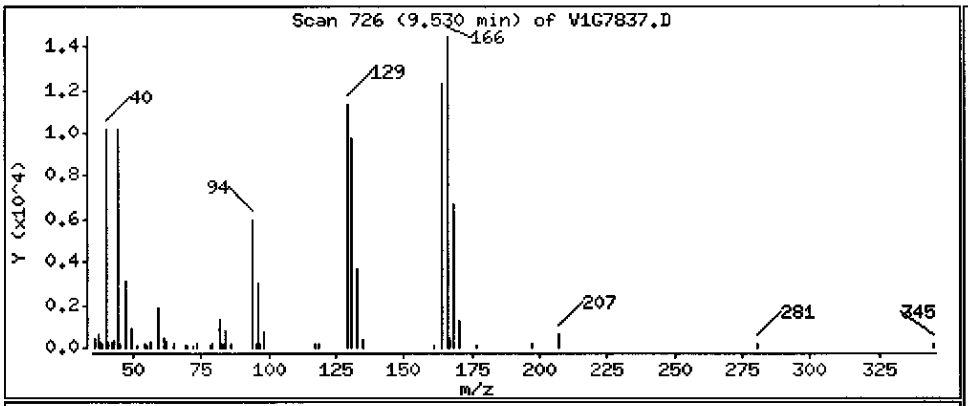
Client ID: B-1130 Instrument: V1.i

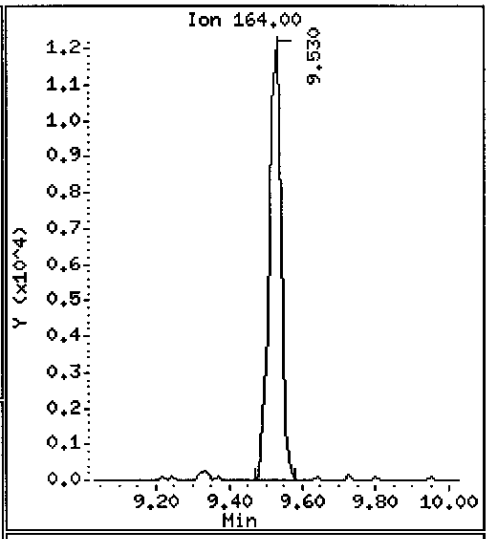
Sample Info: ,D0603-02A,,18299,

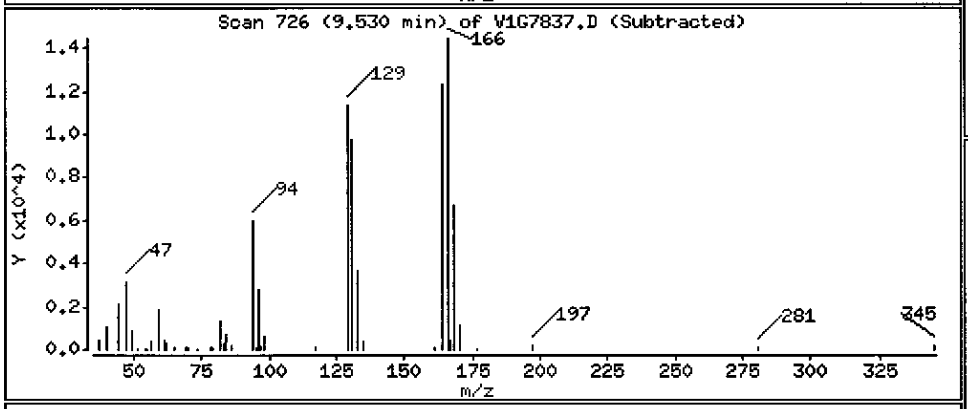
Operator: LG/YD

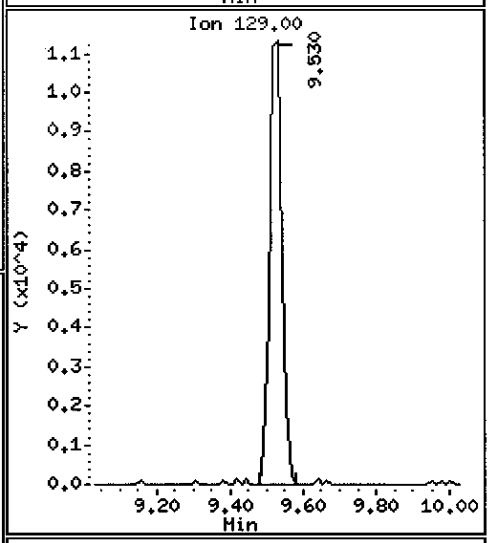
Column phase: DB-624 Column diameter: 0.25

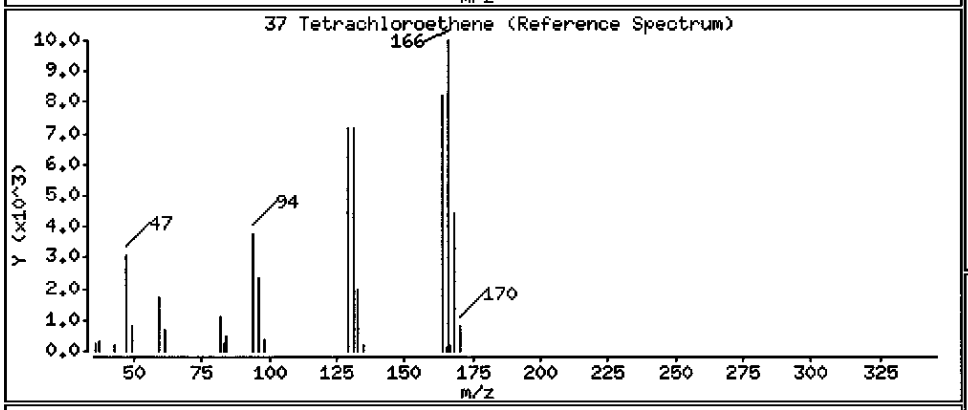
37 Tetrachloroethene Concentration: 9 ug/Kg

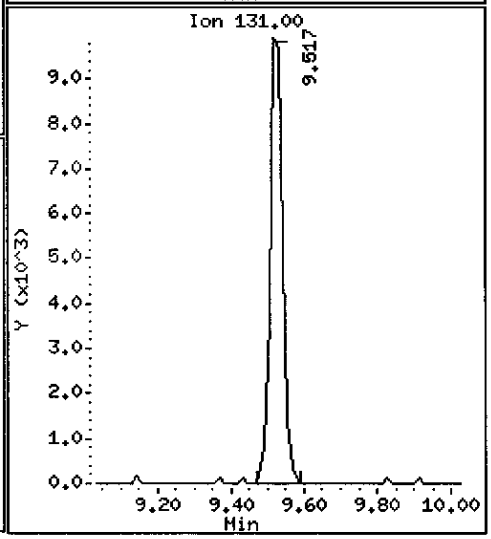


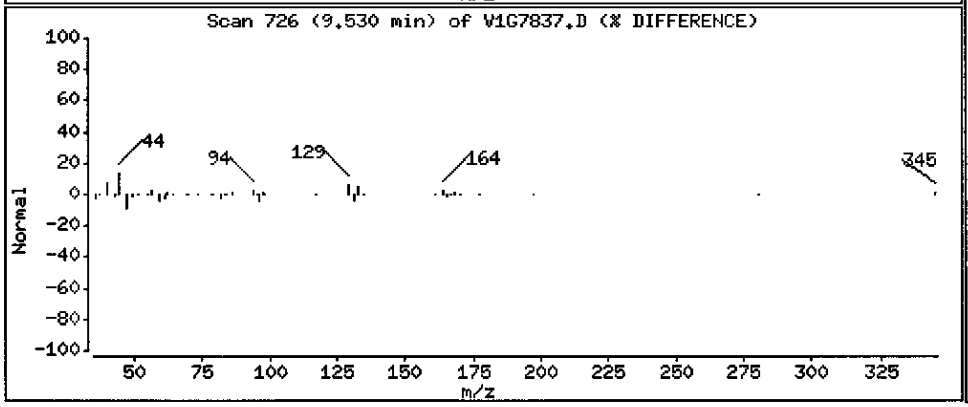












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-840

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-01A

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V1G7823

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. 32 Date Analyzed: 05/26/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl Chloride	320	E
74-83-9	Bromomethane	14	U
75-00-3	Chloroethane	14	U
75-69-4	Trichlorofluoromethane	14	U
75-35-4	1,1-Dichloroethene	18	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U
67-64-1	Acetone	20	
75-15-0	Carbon Disulfide	14	J
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	14	U
156-60-5	trans-1,2-Dichloroethene	74	
1634-04-4	Methyl tert-Butyl Ether	14	U
75-34-3	1,1-Dichloroethane	2	J
156-59-2	cis-1,2-Dichloroethene	4300	E
78-93-3	2-Butanone	14	U
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	14	U
110-82-7	Cyclohexane	2	J
56-23-5	Carbon Tetrachloride	14	U
71-43-2	Benzene	14	U
107-06-2	1,2-Dichloroethane	14	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-840

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-01A

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V1G7823

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. 32 Date Analyzed: 05/26/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	2200	E
108-87-2	Methylcyclohexane	4	J
78-87-5	1,2-Dichloropropane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
108-88-3	Toluene	15	
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
127-18-4	Tetrachloroethene	12000	E
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	14	U
106-93-4	1,2-Dibromoethane	14	U
108-90-7	Chlorobenzene	2	J
100-41-4	Ethylbenzene	4	J
1330-20-7	Xylene (Total)	36	
100-42-5	Styrene	14	U
75-25-2	Bromoform	14	U
98-82-8	Isopropylbenzene	3	J
79-34-5	1,1,2,2-Tetrachloroethane	14	U
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U

1F

EPA SAMPLE NO.

B-840

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-01A

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V1G7823

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. 32 Date Analyzed: 05/26/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

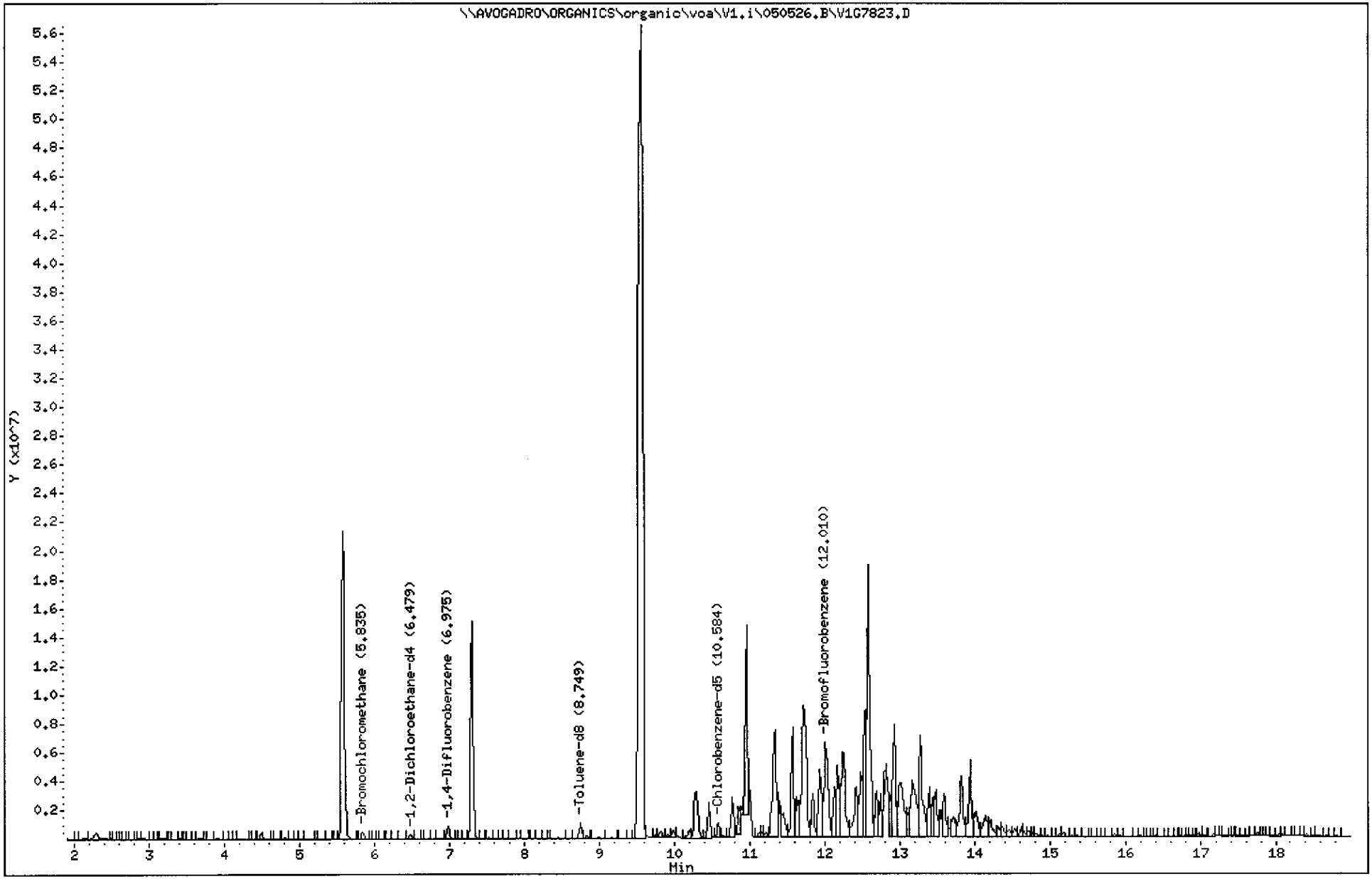
Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.29	440	J
2.		STRAIGHT-CHAIN ALKANE	10.96	870	J
3.		UNKNOWN	11.34	930	J
4.		UNKNOWN	11.45	210	J
5.		UNKNOWN	11.58	610	J
6.		UNKNOWN	11.63	330	J
7.		CYCLIC ALKANE	11.71	1400	J
8.		UNKNOWN	11.94	540	J
9.		UNKNOWN	12.12	310	J
10.		UNKNOWN	12.17	470	J
11.		UNKNOWN	12.25	910	J
12.		CYCLIC ALKANE	12.42	450	J
13.		UNKNOWN	12.48	530	J
14.		UNKNOWN	12.54	860	J
15.		STRAIGHT-CHAIN ALKANE	12.58	1800	J
16.		UNKNOWN	12.69	300	J
17.		UNKNOWN	12.74	240	J
18.		UNKNOWN	12.89	270	J
19.		BRANCHED ALKANE	12.93	640	J
20.		UNKNOWN	13.03	750	J
21.		UNKNOWN	13.18	740	J
22.		CYCLIC ALKANE	13.28	780	J
23.		UNKNOWN	13.40	310	J
24.		UNKNOWN	13.45	230	J
25.		UNKNOWN	13.49	320	J
26.		UNKNOWN	13.59	310	J
27.	493-02-7	NAPHTHALENE, DECAHYDRO-, TRA	13.82	480	NJ
28.		STRAIGHT-CHAIN ALKANE	13.94	470	J
29.		UNKNOWN	14.02	250	J
30.		UNKNOWN	14.14	240	J

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D
Date : 26-MAY-2005 18:47
Client ID: B-840
Instrument: V1.i
Sample Info: ,D0603-01A,,18283,
Operator: LG/YD
Column phase: DB-624
Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D
Report Date: 18-Jun-2005 09:44

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D
Lab Smp Id: D0603-01A Client Smp ID: B-840
Inj Date : 26-MAY-2005 18:47
Operator : LG/YD Inst ID: V1.i
Smp Info : ,D0603-01A,,18283,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\v1clp4h.m
Meth Date : 18-Jun-2005 09:28 mtl Quant Type: ISTD
Cal Date : 26-MAY-2005 10:49 Cal File: V1G7811.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.100	Weight of sample (g)
M	32.000	% Moisture (not decanted)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	3 Vinyl Chloride	62	2.288	2.276	(0.392)	1147354	220.811	320(A)
	7 1,1-Dichloroethene	96	3.664	3.653	(0.628)	38563	12.7117	18
	9 Acetone	43	3.702	3.690	(0.634)	31628	14.0884	20
	10 Carbon Disulfide	76	3.913	3.901	(0.671)	143294	9.48714	14(a)
	13 trans-1,2-Dichloroethene	96	4.495	4.484	(0.770)	207555	51.1900	74
	15 1,1-Dichloroethane	63	4.942	4.942	(0.847)	12732	1.61587	2(a)
	17 cis-1,2-Dichloroethene	96	5.574	5.575	(0.955)	12818029	2997.14	4300(A)
*	18 Bromochloromethane	128	5.835	5.835	(1.000)	151623	50.0000	
	21 Cyclohexane	56	6.244	6.220	(0.895)	11151	1.34616	2(a)
$	23 1,2-Dichloroethane-d4	65	6.479	6.468	(1.111)	233855	53.4067	77
*	26 1,4-Difluorobenzene	114	6.976	6.976	(1.000)	864834	50.0000	
	27 Trichloroethene	130	7.298	7.286	(1.046)	6975293	1518.99	2200(A)
	28 Methylcyclohexane	83	7.534	7.534	(1.080)	17898	2.58893	4(aQ)
$	33 Toluene-d8	98	8.749	8.737	(0.827)	884034	46.8975	68
	34 Toluene	91	8.823	8.824	(0.834)	178080	10.2469	15

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D
Report Date: 18-Jun-2005 09:44

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	37 Tetrachloroethene	164	9.555	9.531	(0.903)	29540890	8642.15	12000(A)
*	42 Chlorobenzene-d5	117	10.584	10.572	(1.000)	758912	50.0000	
	43 Chlorobenzene	112	10.621	10.610	(1.004)	15471	1.35638	2(a)
	44 Ethylbenzene	106	10.758	10.758	(1.016)	17133	2.92066	4(aQ)
	45 m,p-Xylene	106	10.907	10.907	(1.030)	127827	17.0681	25
	46 o-Xylene	106	11.403	11.391	(1.077)	54625	7.50873	11(a)
	49 Isopropylbenzene	105	11.849	11.850	(1.120)	35843	2.08523	3(aQ)
$	50 Bromofluorobenzene	95	12.023	12.023	(1.136)	461774	66.6405	96(R)
M	41 Xylene (Total)	106				182452	25.0796	36

AW
6/18/05

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D
Report Date: 18-Jun-2005 09:44

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D
Lab Smp Id: D0603-01A Client Smp ID: B-840
Inj Date : 26-MAY-2005 18:47
Operator : LG/YD Inst ID: V1.i
Smp Info : ,D0603-01A,,18283,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\v1clp4h.m
Meth Date : 18-Jun-2005 09:28 mtl Quant Type: ISTD
Cal Date : 26-MAY-2005 10:49 Cal File: V1G7811.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.100	Weight of sample (g)
M	32.000	% Moisture (not decanted)

ISTD	RT	AREA	AMOUNT
* 42 Chlorobenzene-d5	10.584	2047708	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.287	12515841	305.606097	440	0		0	42
Straight-chain Alkane				CAS #:			
10.956	24811701	605.840799	870	0		0	42
Unknown				CAS #:			
11.341	26383763	644.226692	930	0		0	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D
Report Date: 18-Jun-2005 09:44

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
Unknown				CAS #:			
11.452	5931740	144.838522	210	0		0	42
Unknown				CAS #:			
11.576	17421738	425.396053	610	0		0	42
Unknown				CAS #:			
11.626	9329986	227.815343	330	0		0	42
Cyclic Alkane				CAS #:			
11.713	40173564	980.939763	1400	0		0	42
Unknown				CAS #:			
11.936	15351203	374.838673	540	0		0	42
Unknown				CAS #:			
12.122	8844448	215.959697	310	0		0	42
Unknown				CAS #:			
12.171	13381036	326.732034	470	0		0	42
Unknown				CAS #:			
12.246	25939962	633.390161	910	0		0	42
Cyclic Alkane				CAS #:			
12.419	12650210	308.887058	450	0		0	42
Unknown				CAS #:			
12.481	14992550	366.081248	530	0		0	42
Unknown				CAS #:			
12.543	24536868	599.130052	860	0		0	42
Straight-chain Alkane				CAS #:			
12.581	49957093	1219.82951	1800	0		0	42
Unknown				CAS #:			
12.692	8530297	208.288902	300	0		0	42
Unknown				CAS #:			
12.742	6877534	167.932488	240	0		0	42
Unknown				CAS #:			
12.891	7716968	188.429405	270	0		0	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D
Report Date: 18-Jun-2005 09:44

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Branched Alkane				CAS #:			
12.928	18221536	444.925155	640	0		0	42
Unknown				CAS #:			
13.027	21173945	517.015732	750	0		0	42
Unknown				CAS #:			
13.176	20947689	511.491116	740	0		0	42
Cyclic Alkane				CAS #:			
13.275	22081897	539.185690	780	0		0	42
Unknown				CAS #:			
13.399	8902858	217.385926	310	0		0	42
Unknown				CAS #:			
13.449	6609342	161.383898	230	0		0	42
Unknown				CAS #:			
13.486	9071236	221.497303	320	0		0	42
Unknown				CAS #:			
13.585	8871710	216.625368	310	0		0	42
Naphthalene, decahydro-, trans-				CAS #:	493-02-7		
13.821	13568927	331.319871	480	95	NIST98.L	16320	42
Straight-chain Alkane				CAS #:			
13.945	13462493	328.721014	470	0		0	42
Unknown				CAS #:			
14.019	6975898	170.334296	250	0		0	42
Unknown				CAS #:			
14.143	6762306	165.118904	240	0		0	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

Client ID: B-840

Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

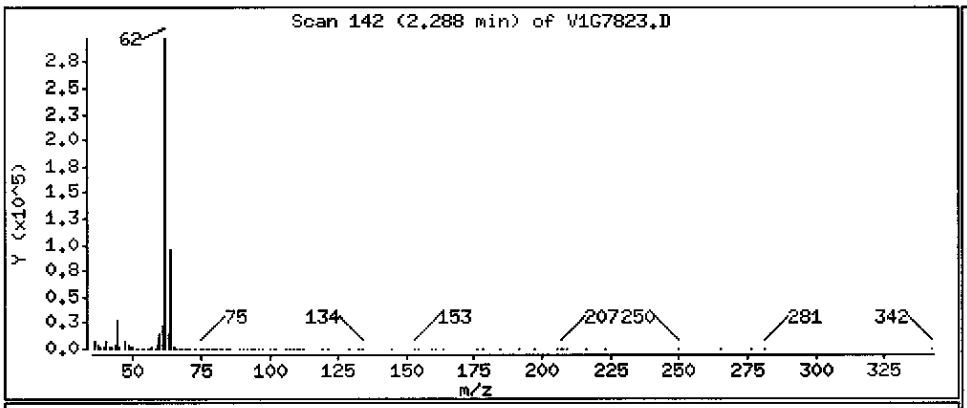
Operator: LG/YD

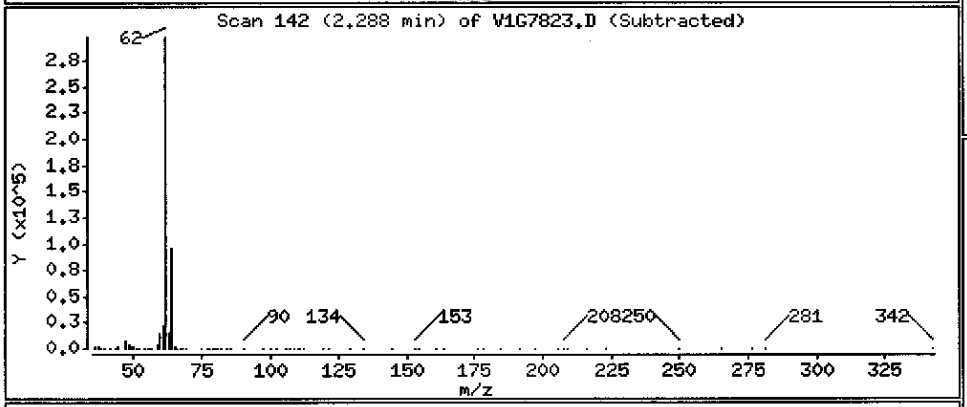
Column phase: DB-624

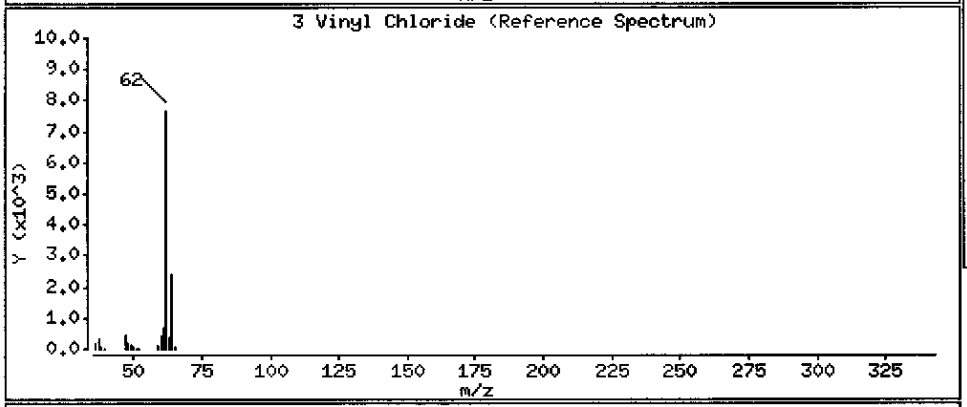
Column diameter: 0.25

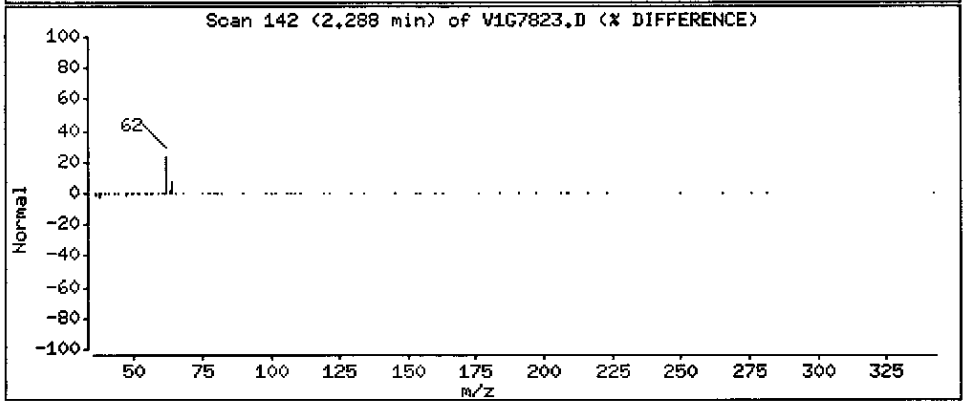
3 Vinyl Chloride

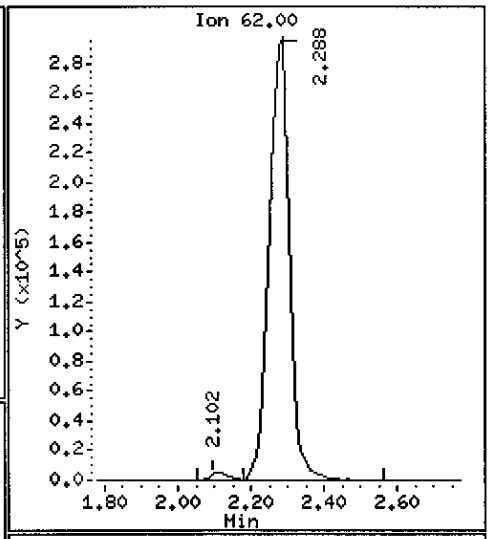
Concentration: 320 ug/Kg

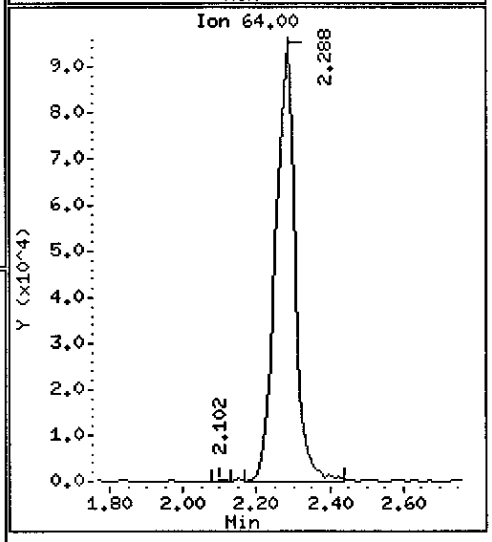












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

Client ID: B-840

Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

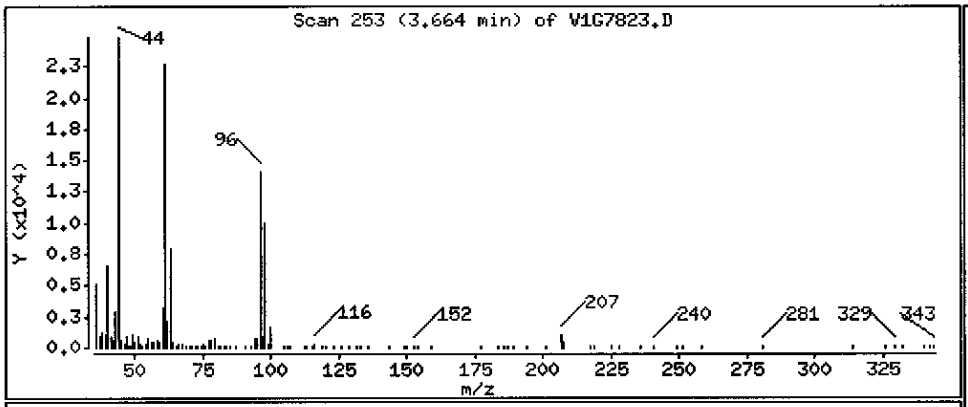
Operator: LG/YD

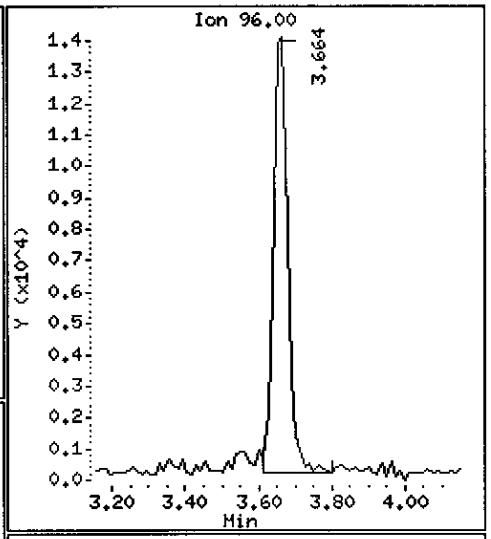
Column phase: DB-624

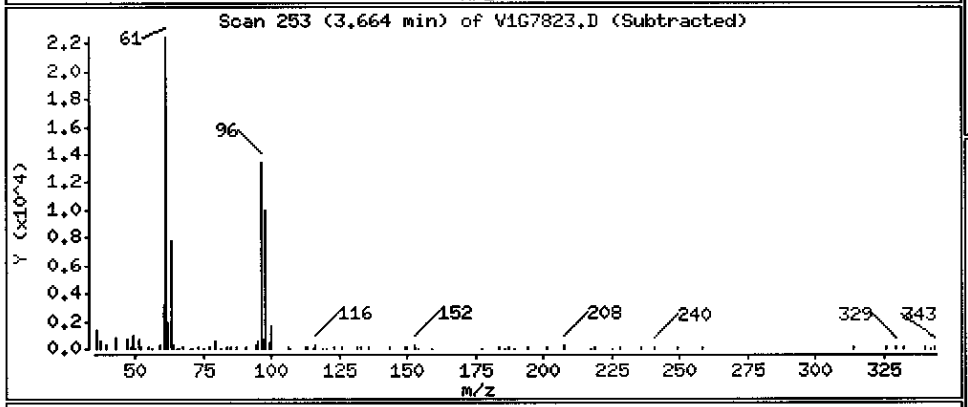
Column diameter: 0.25

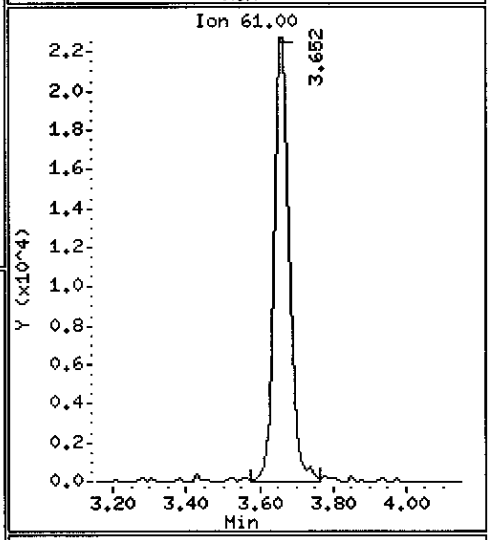
7 1,1-Dichloroethene

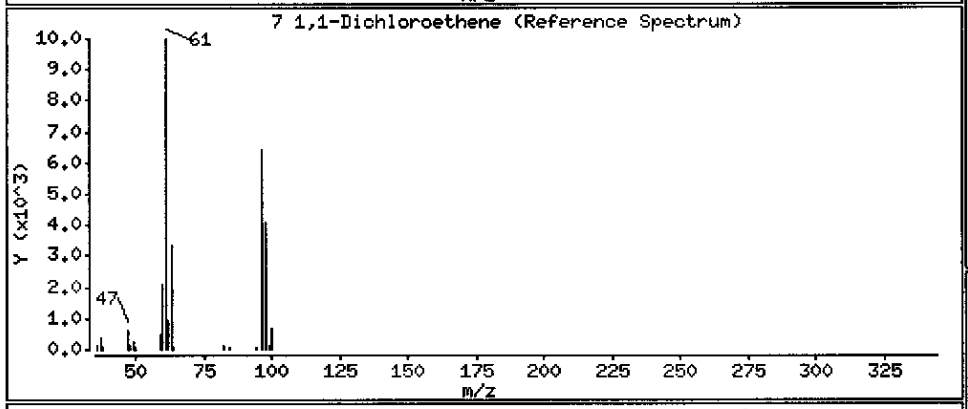
Concentration: 18 ug/Kg

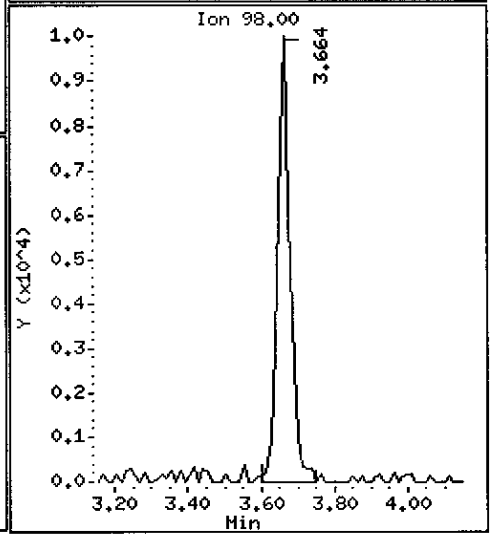


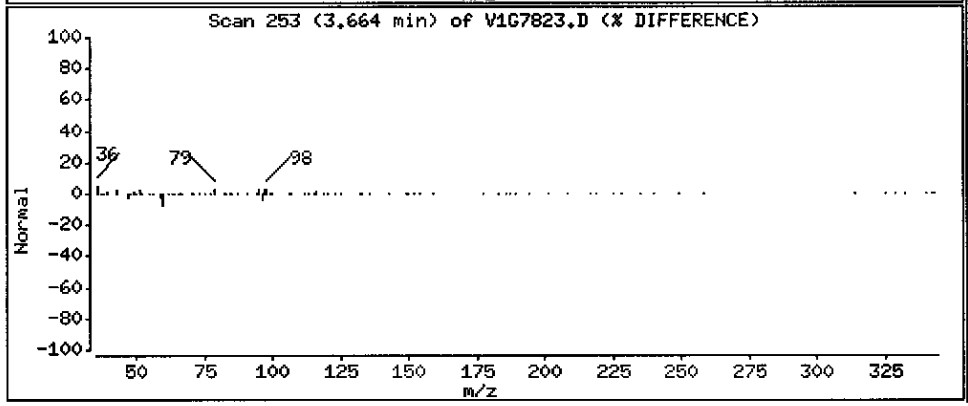












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

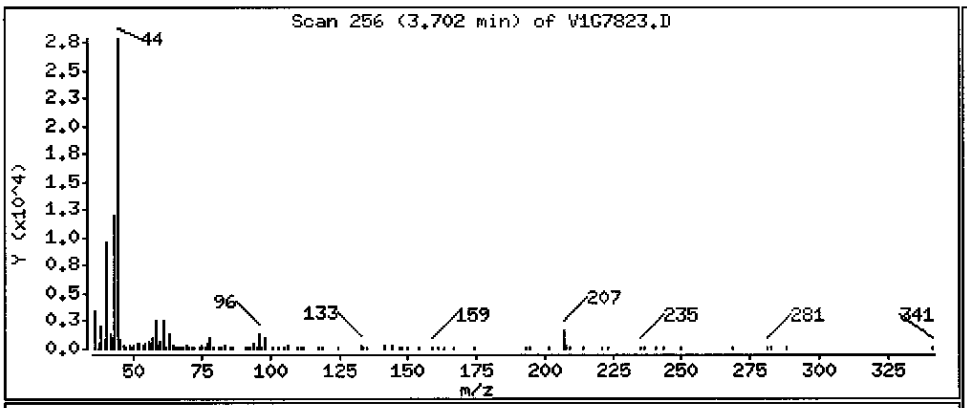
Client ID: B-840 Instrument: V1.i

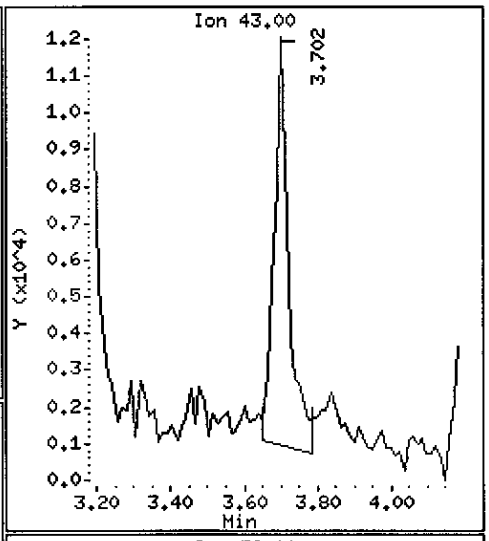
Sample Info: ,D0603-01A,,18283,

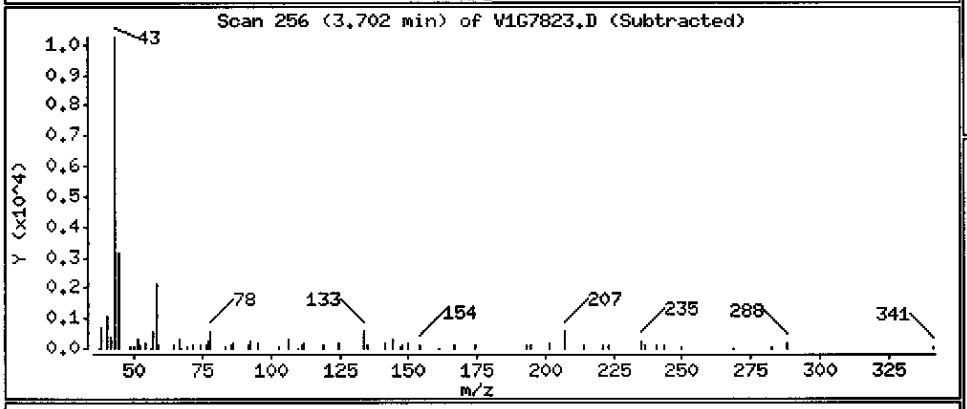
Operator: LG/YD

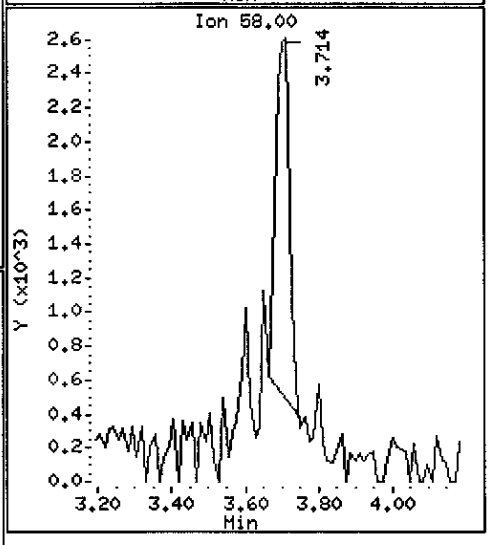
Column phase: DB-624 Column diameter: 0.25

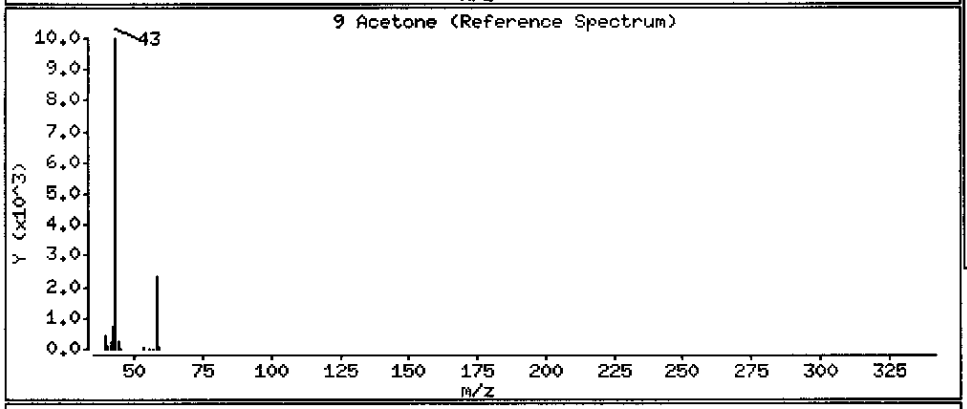
9 Acetone Concentration: 20 ug/Kg

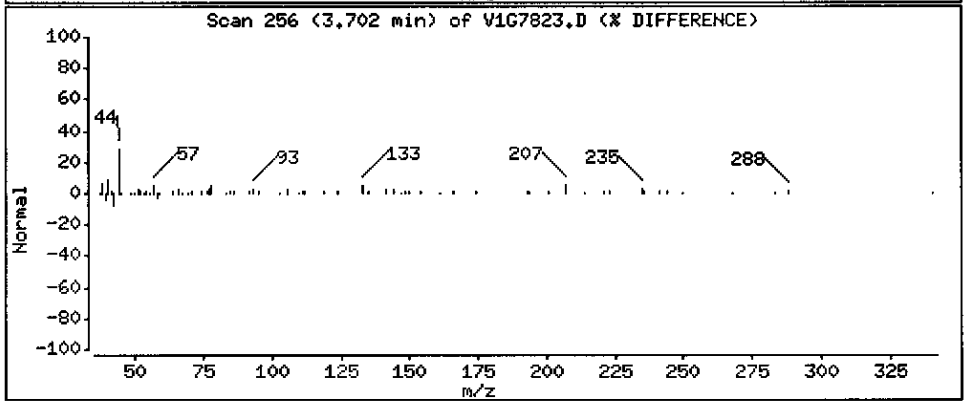












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

Client ID: B-840

Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

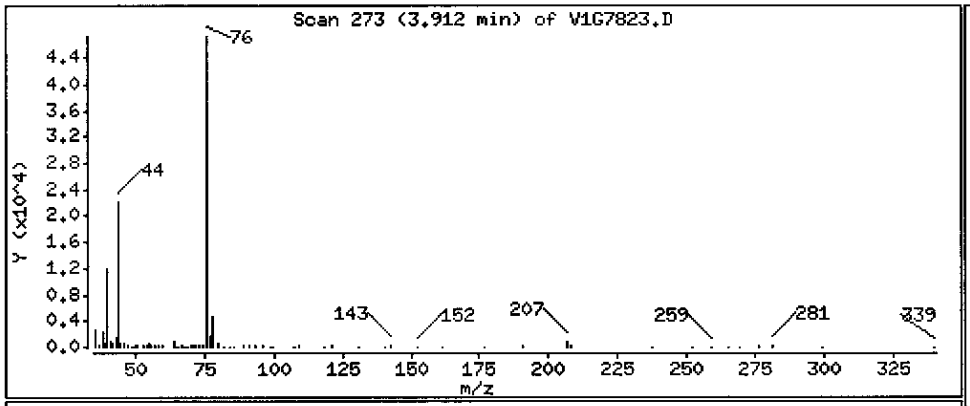
Operator: LG/YD

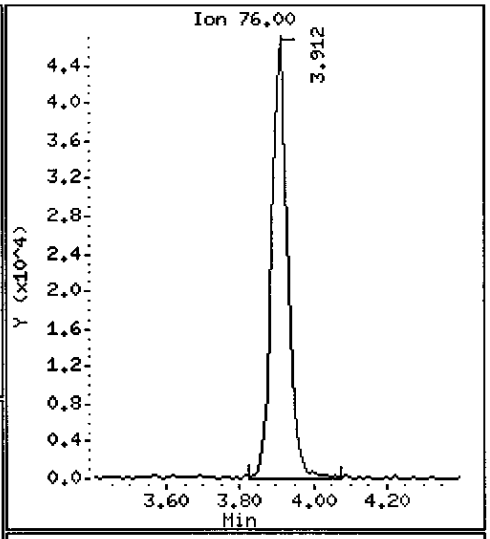
Column phase: DB-624

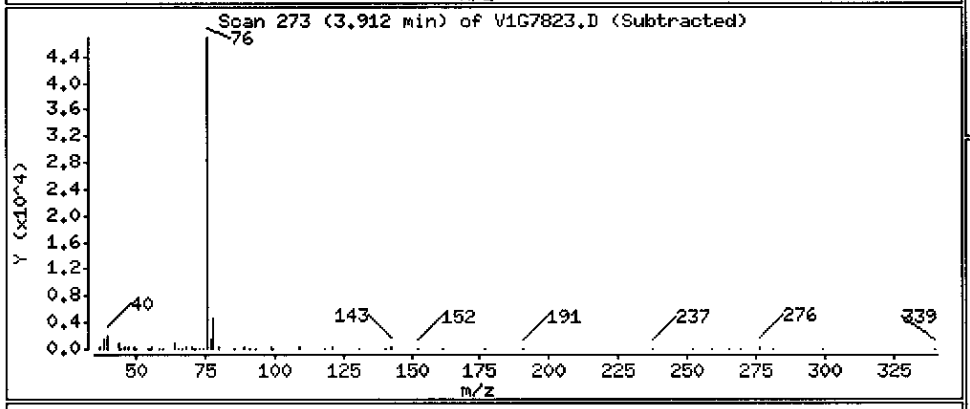
Column diameter: 0.25

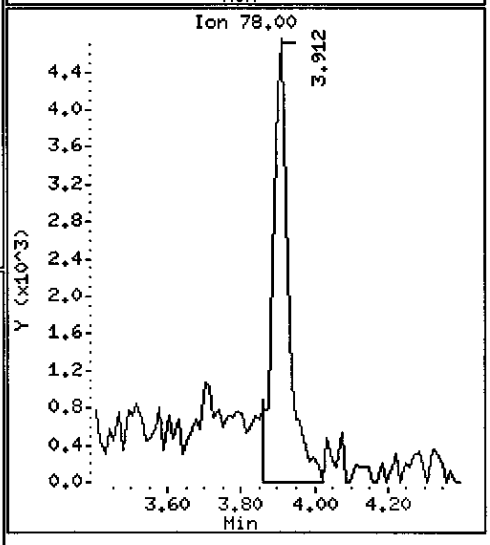
10 Carbon Disulfide

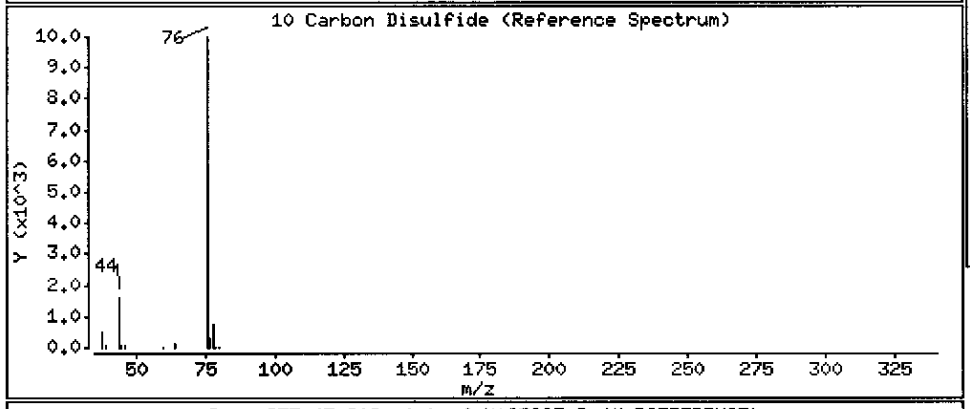
Concentration: 14 ug/Kg

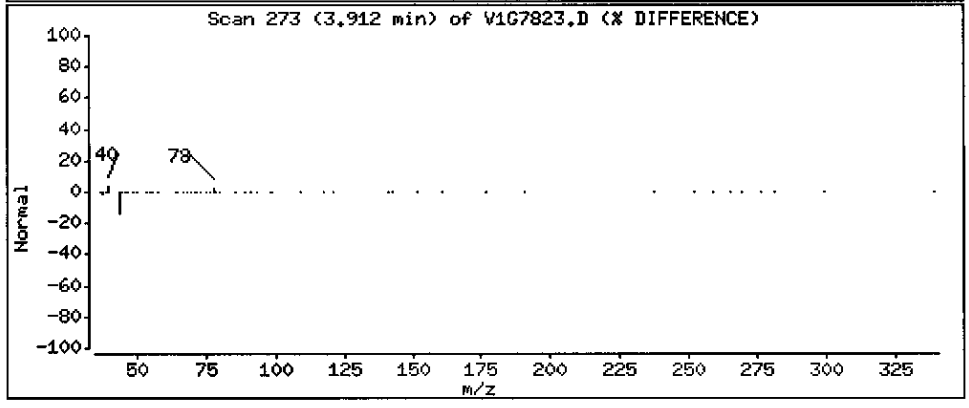












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

Client ID: B-840

Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

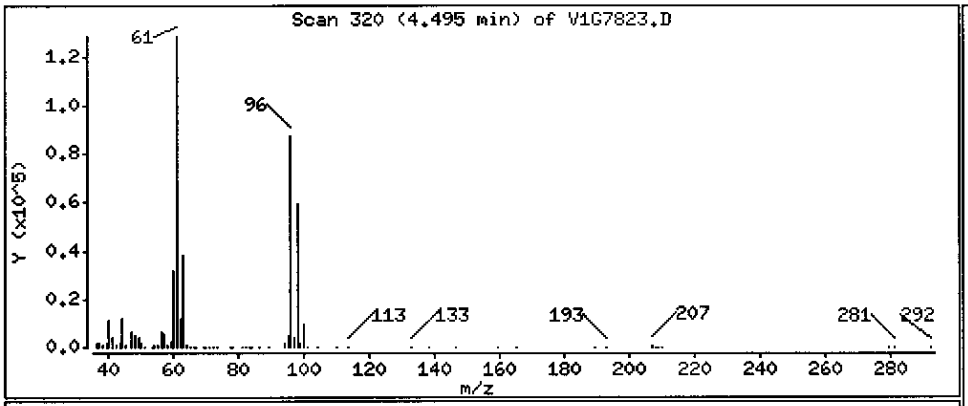
Operator: LG/YD

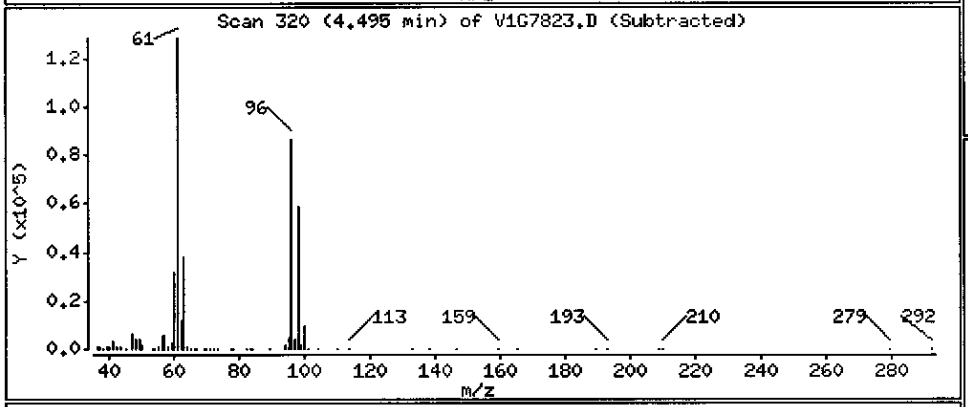
Column phase: DB-624

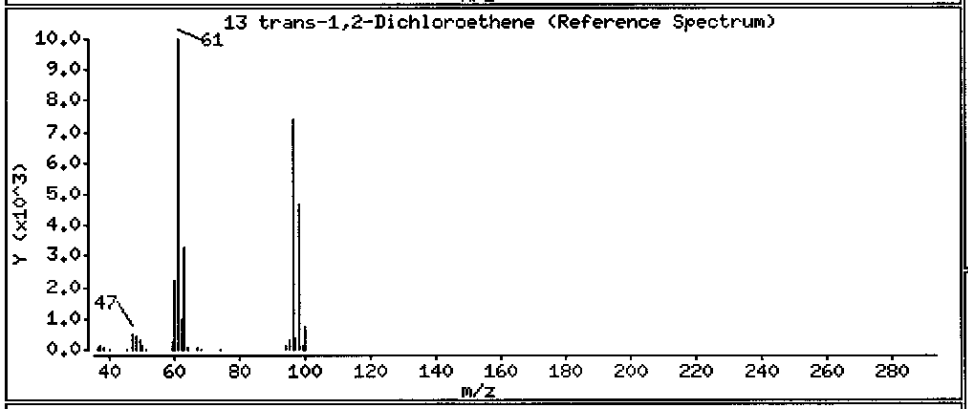
Column diameter: 0.25

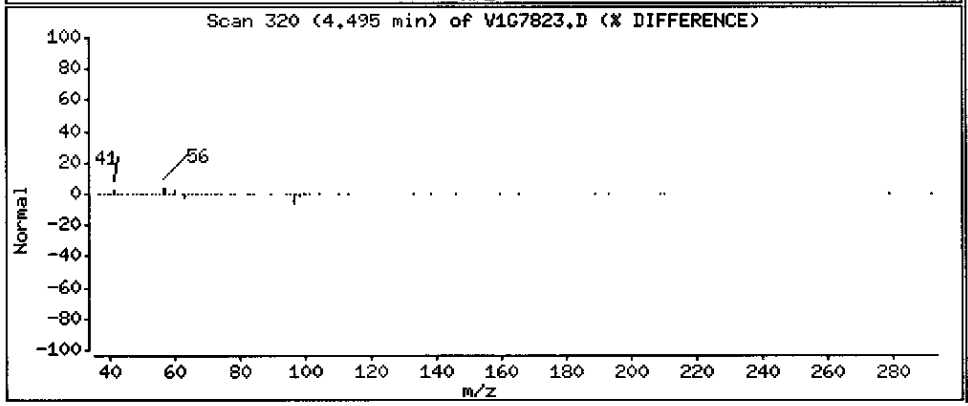
13 trans-1,2-Dichloroethene

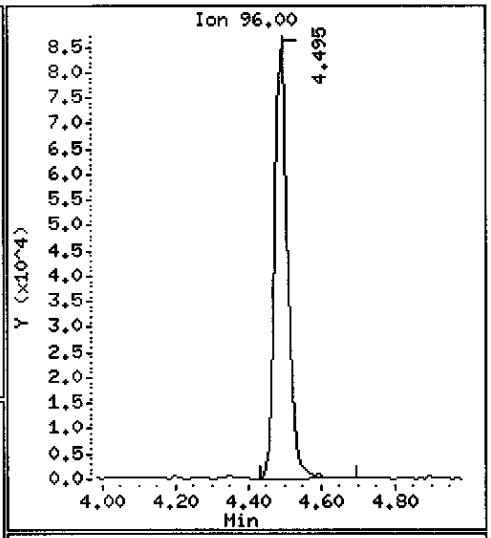
Concentration: 74 ug/Kg

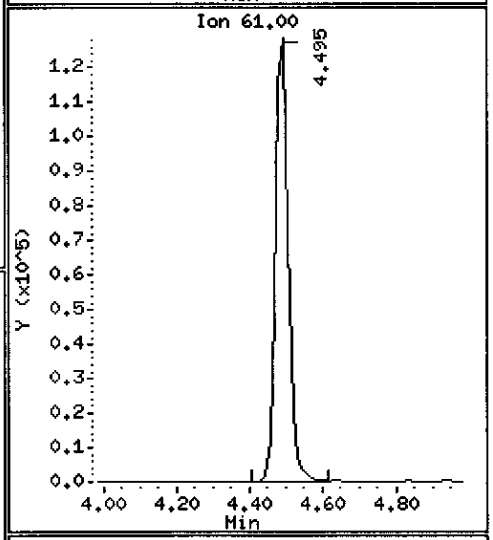


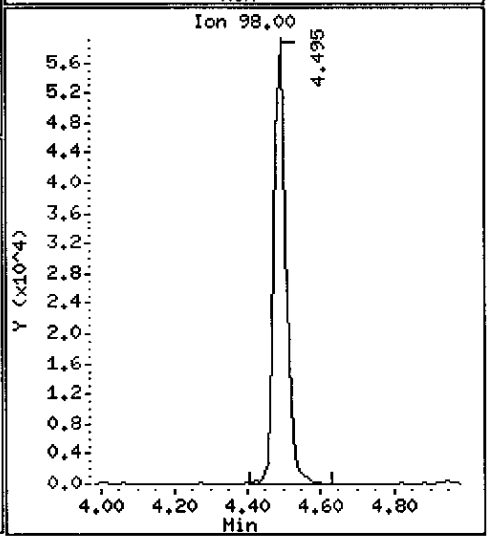












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

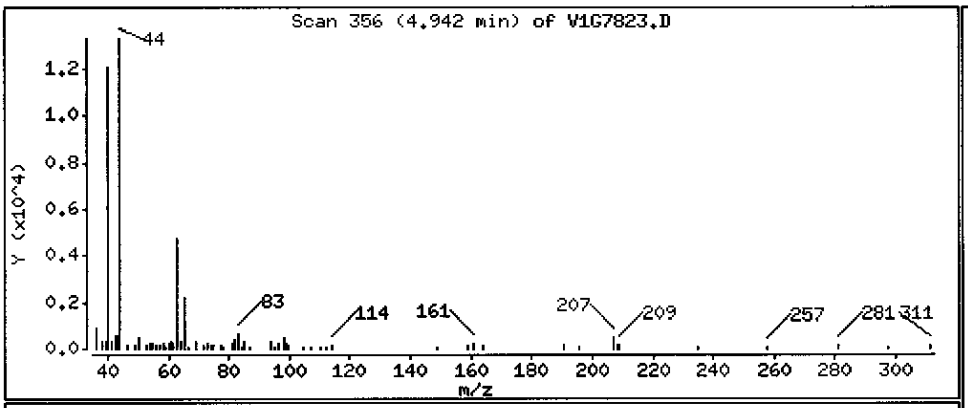
Client ID: B-840 Instrument: V1.i

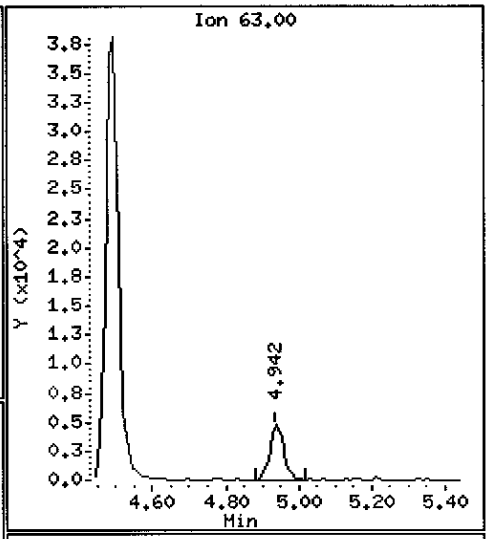
Sample Info: ,D0603-01A,,18283,

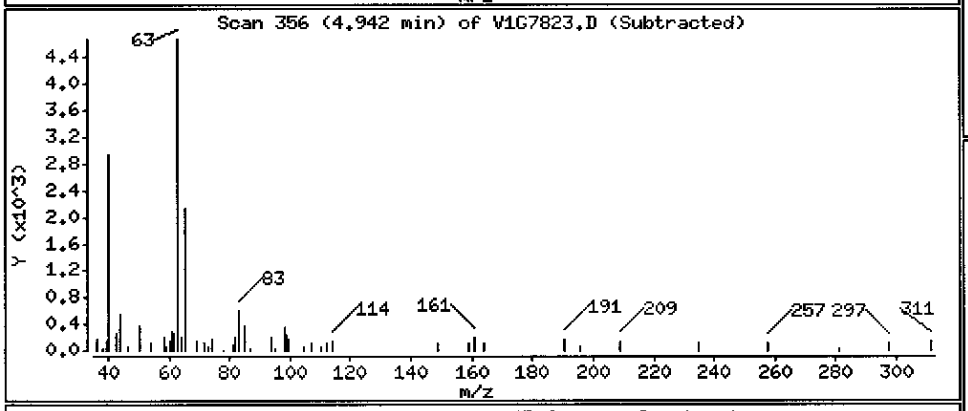
Operator: LG/YD

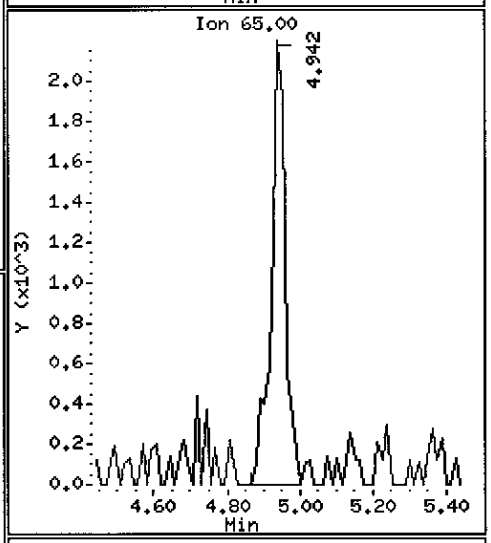
Column phase: DB-624 Column diameter: 0.25

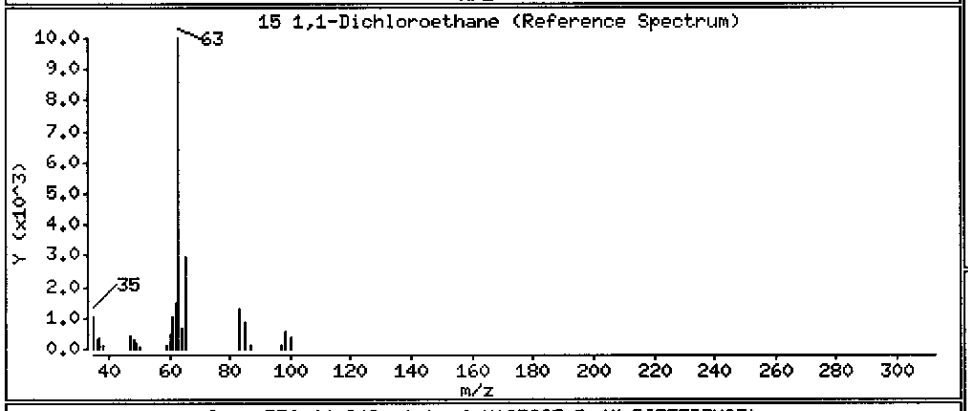
15 1,1-Dichloroethane Concentration: 2 ug/Kg

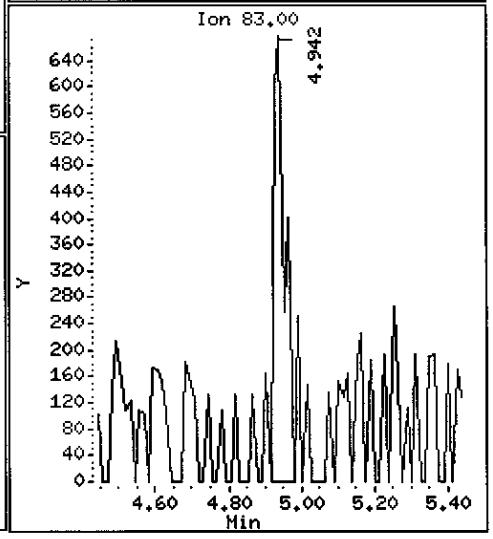


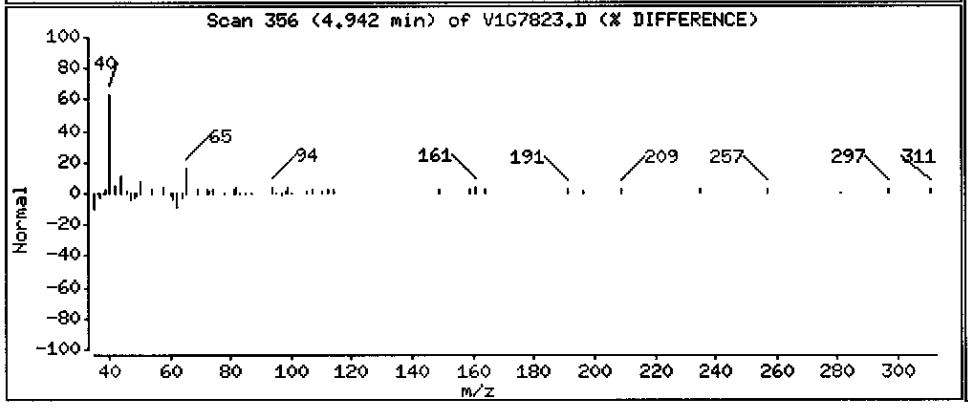












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

Client ID: B-840

Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

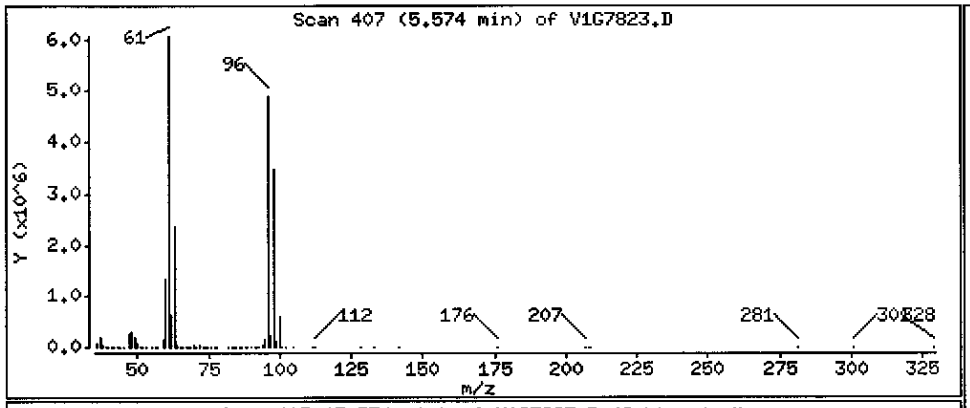
Operator: LG/YD

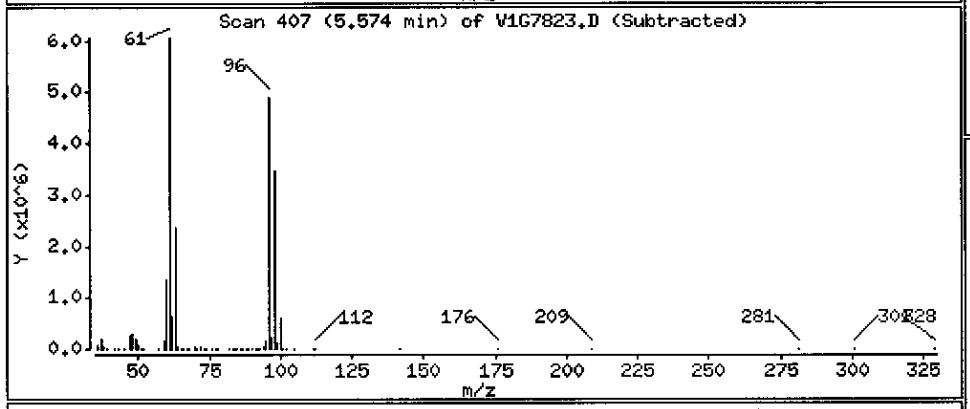
Column phase: DB-624

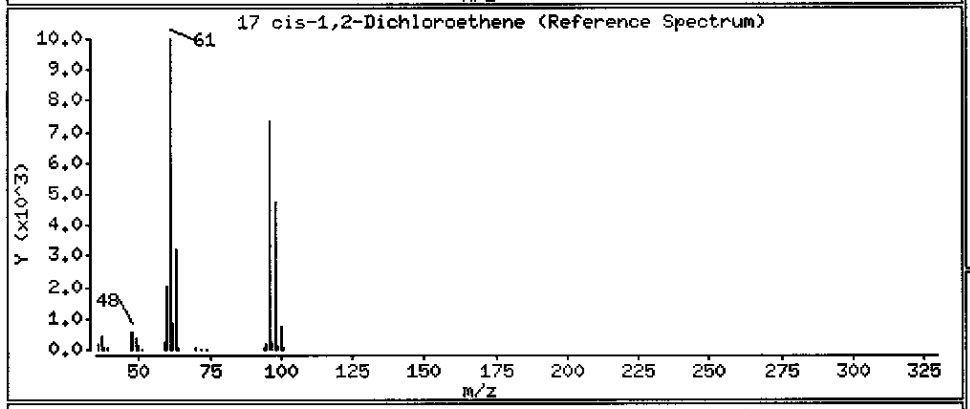
Column diameter: 0.25

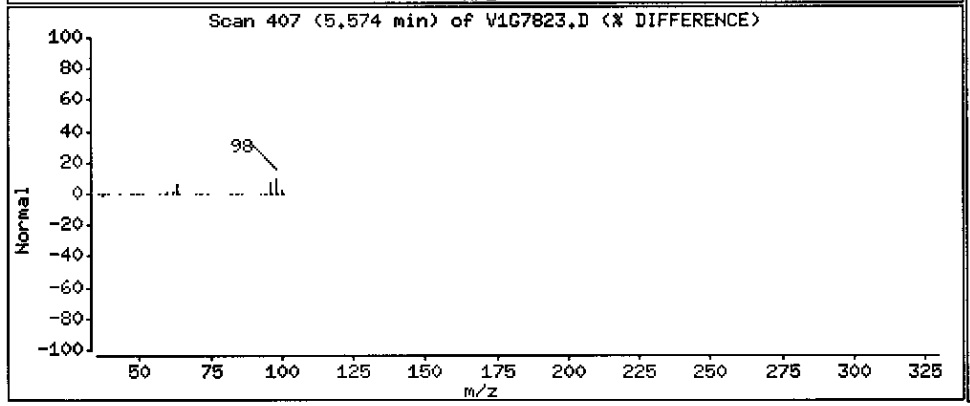
17 cis-1,2-Dichloroethene

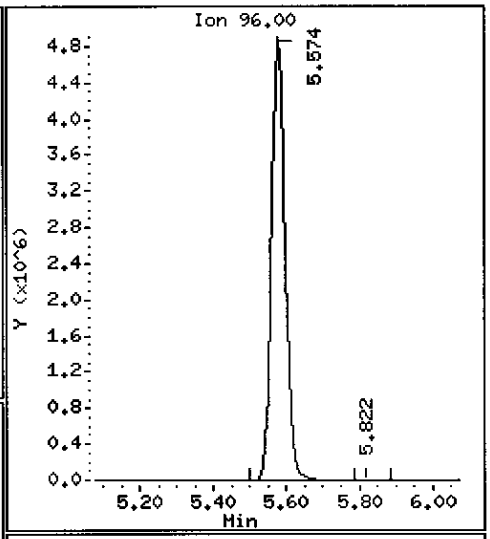
Concentration: 4300 ug/Kg

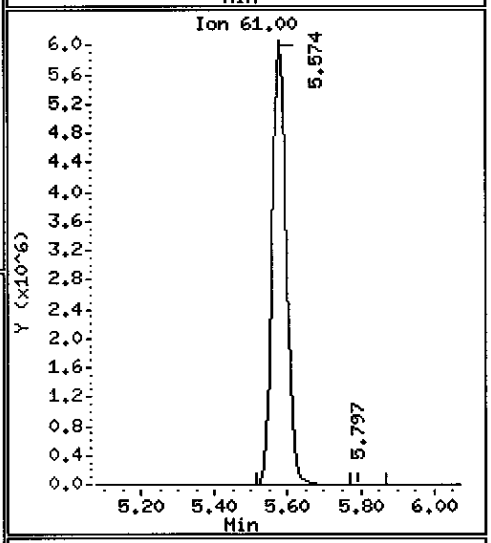


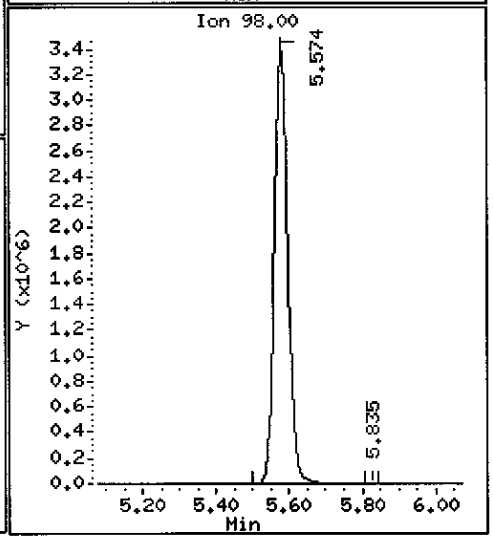












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

Client ID: B-840

Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

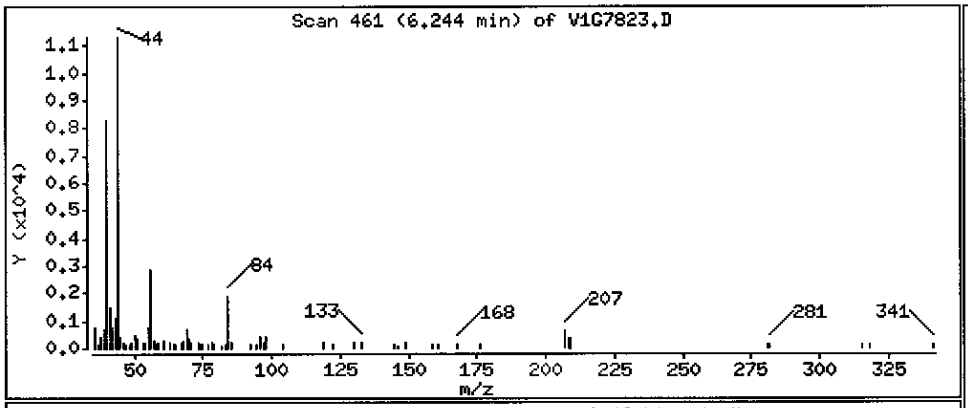
Operator: LG/YD

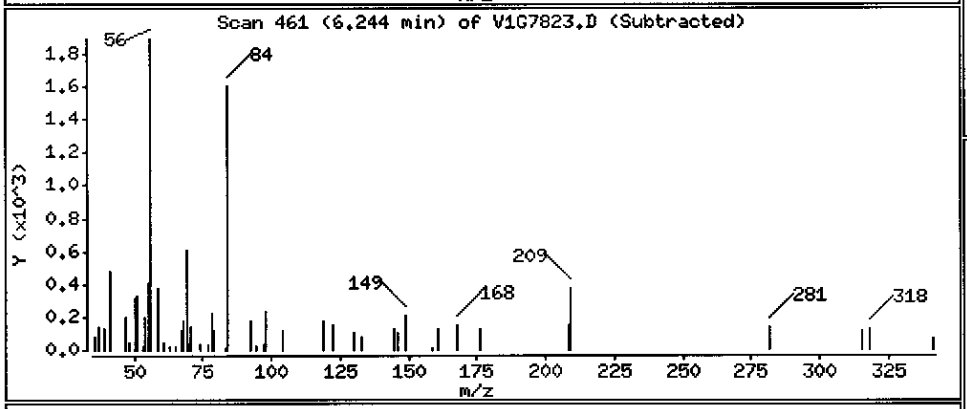
Column phase: DB-624

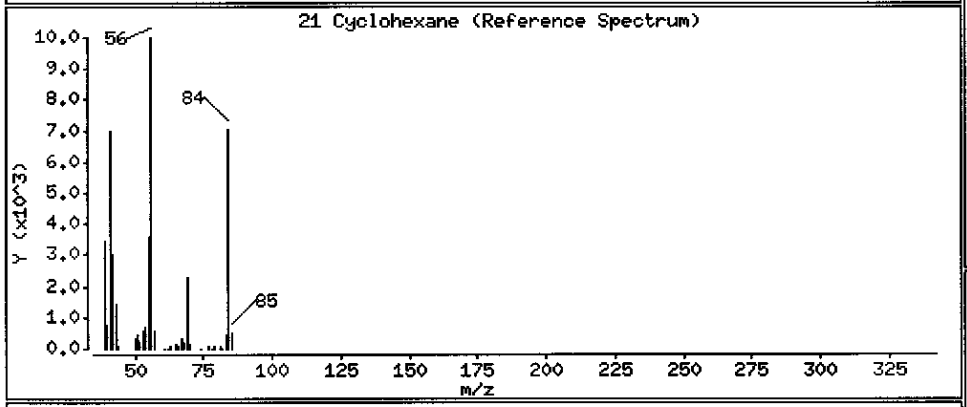
Column diameter: 0.25

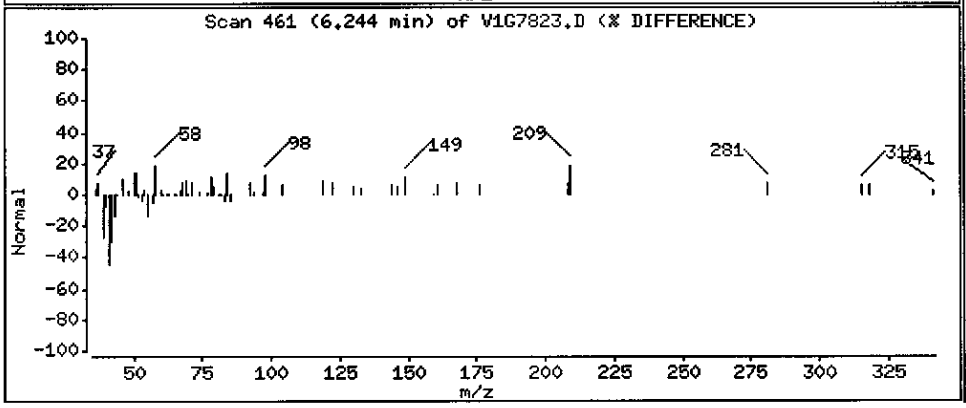
21 Cyclohexane

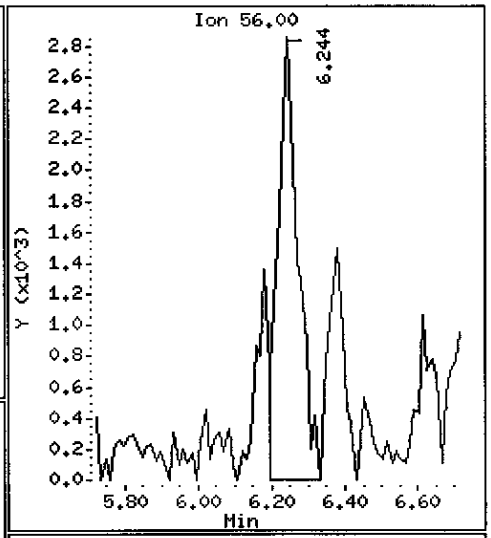
Concentration: 2 ug/Kg

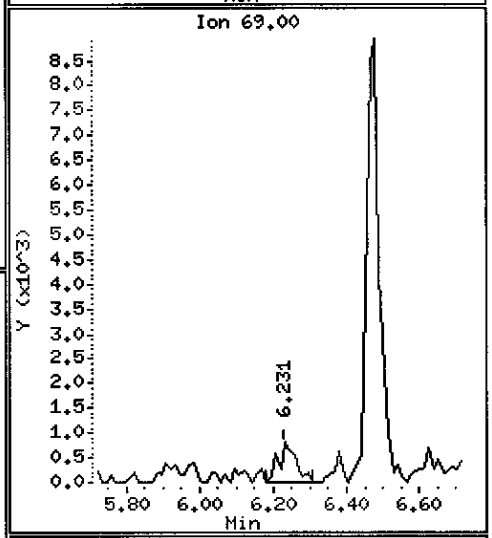


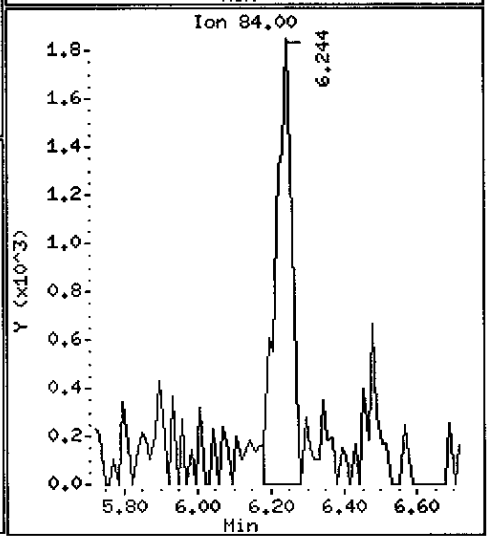












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

Client ID: B-840

Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

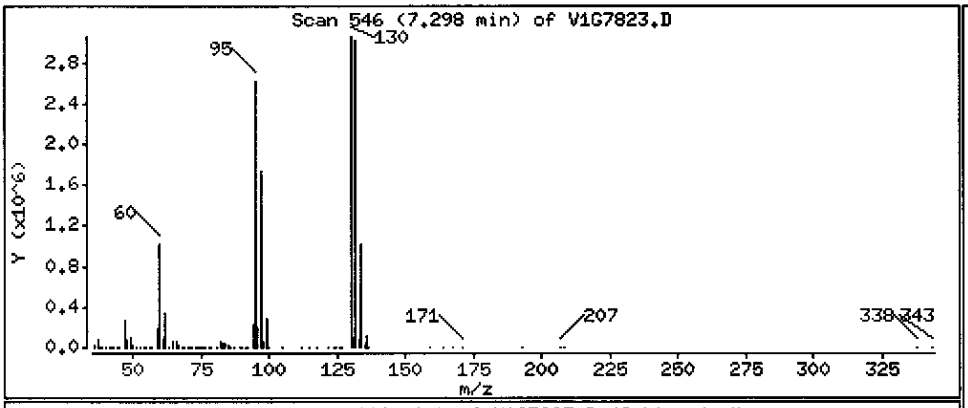
Operator: LG/YD

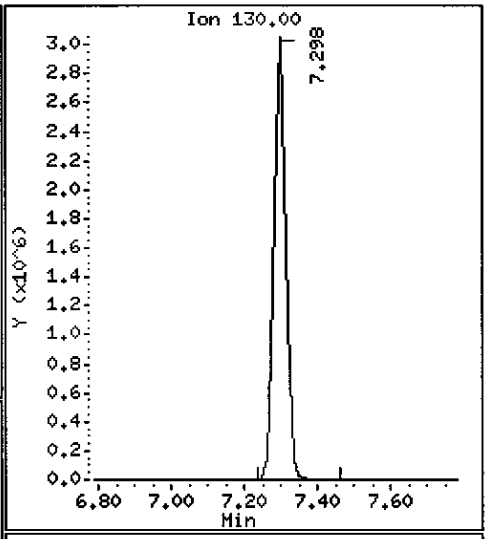
Column phase: DB-624

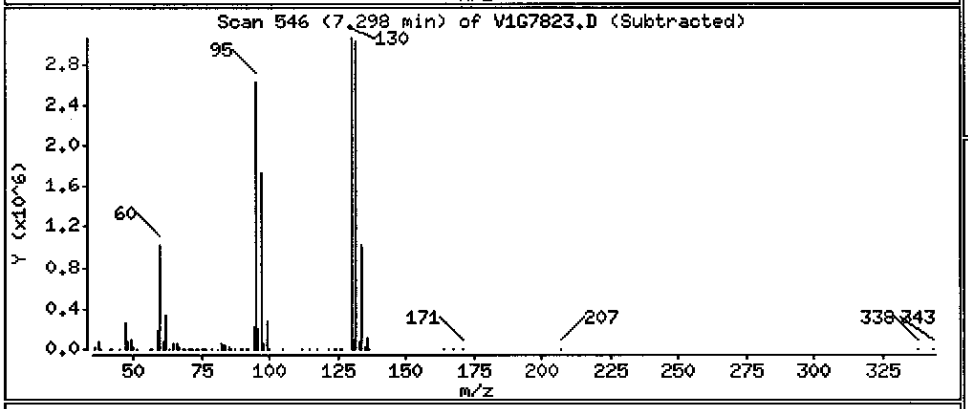
Column diameter: 0.25

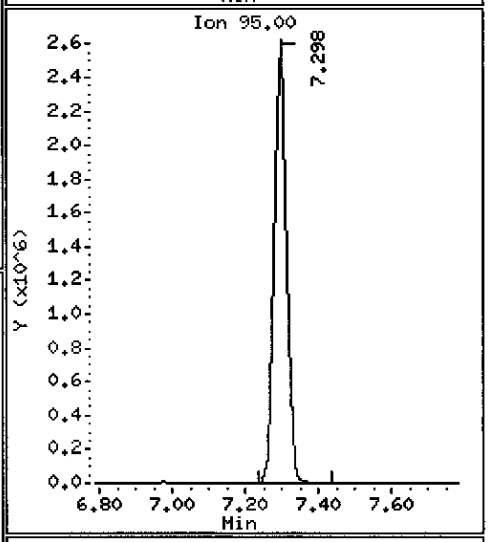
27 Trichloroethene

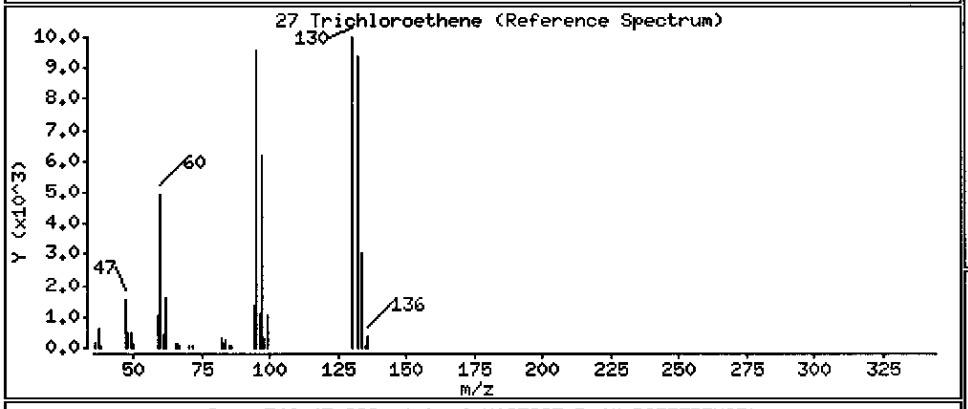
Concentration: 2200 ug/Kg

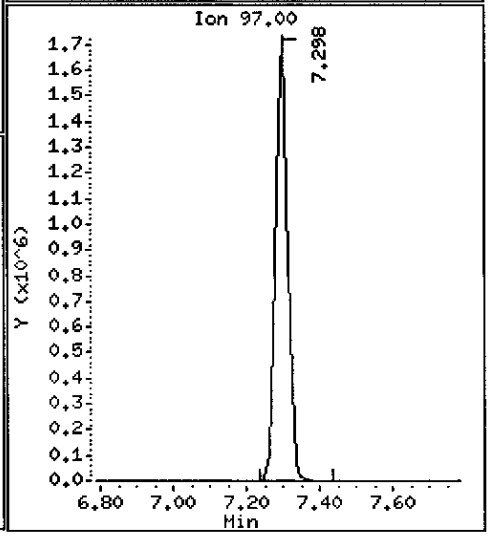


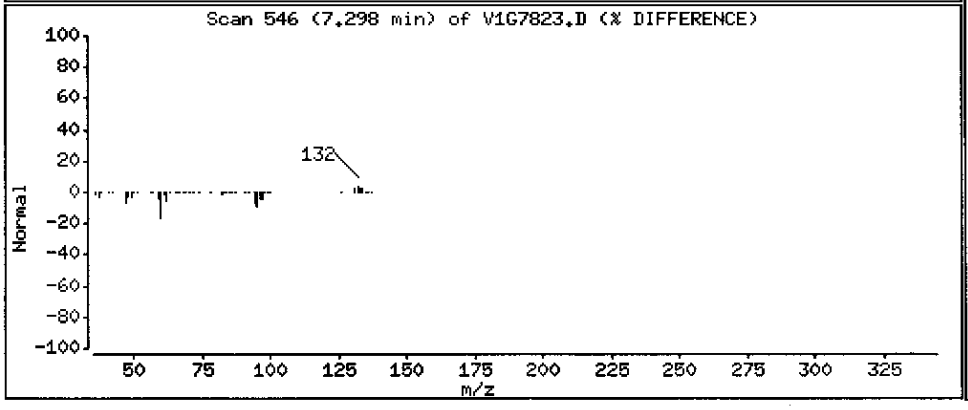












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

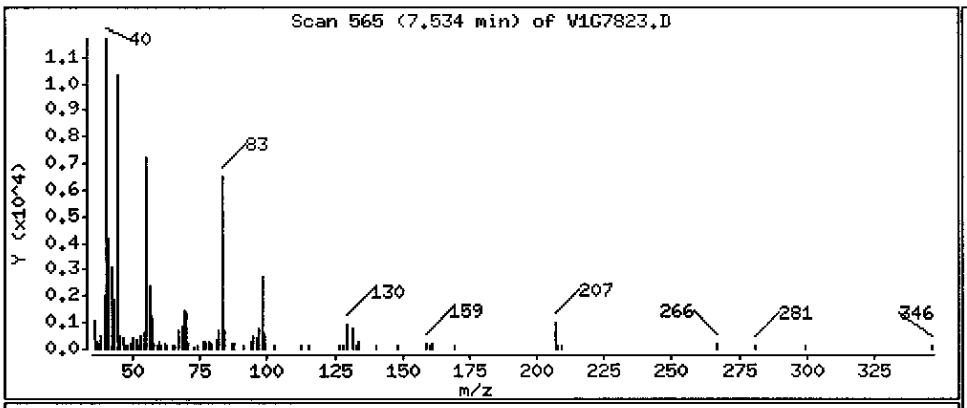
Client ID: B-840 Instrument: V1.i

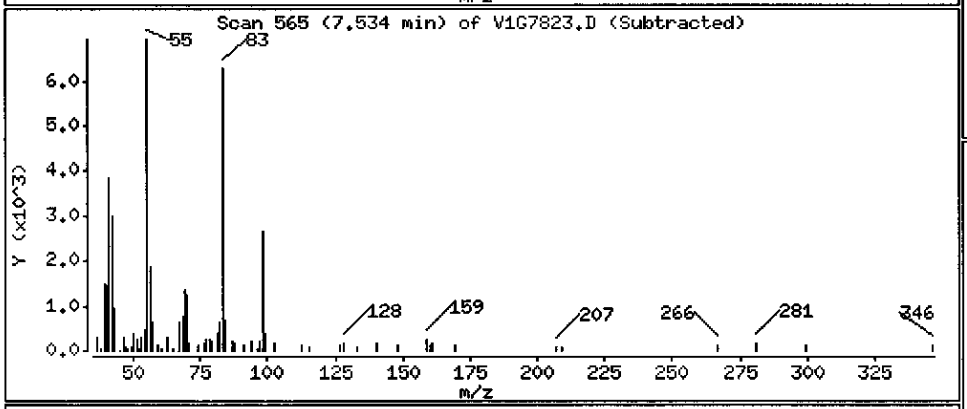
Sample Info: ,D0603-01A,,18283,

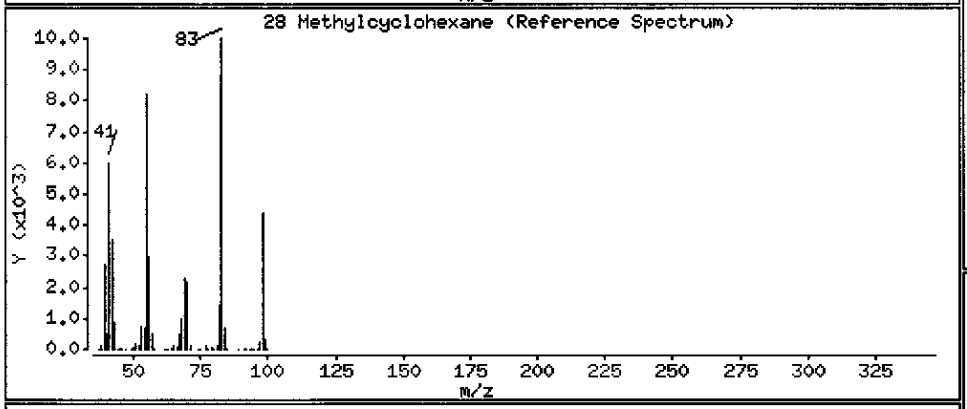
Operator: LG/YD

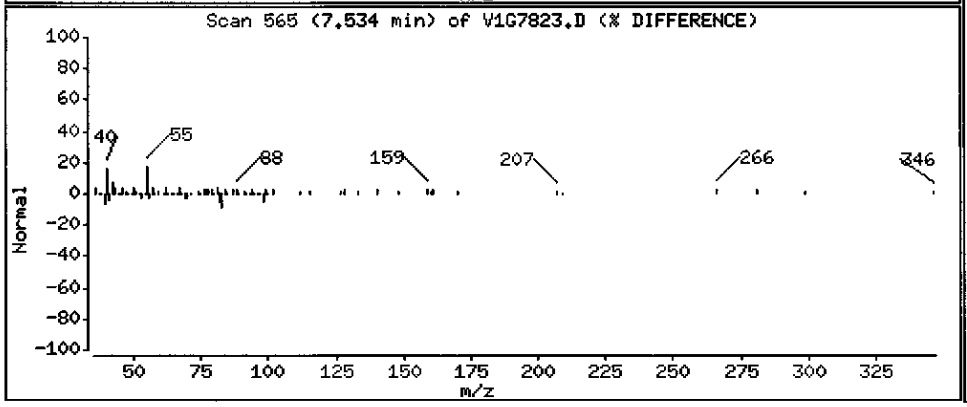
Column phase: DB-624 Column diameter: 0.25

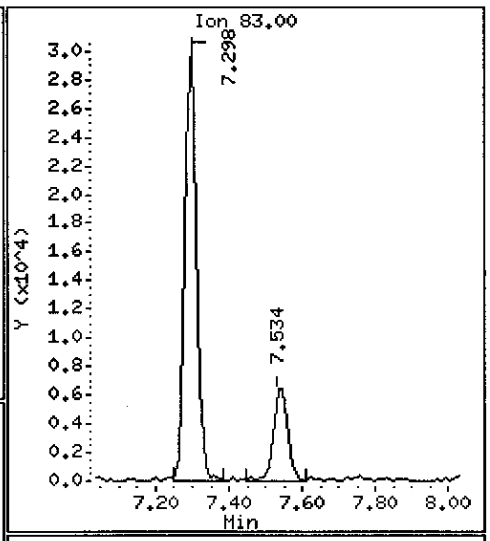
28 Methylcyclohexane Concentration: 4 ug/Kg

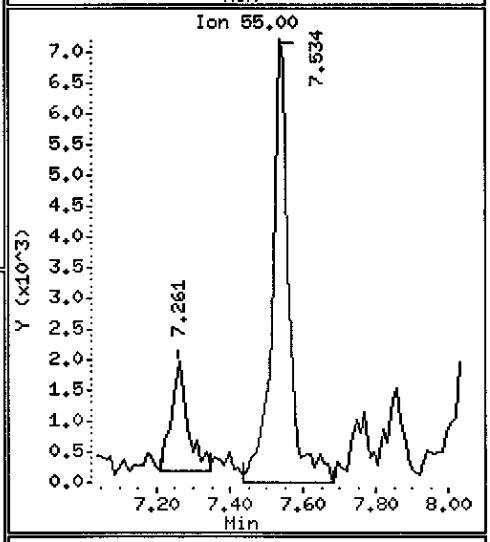


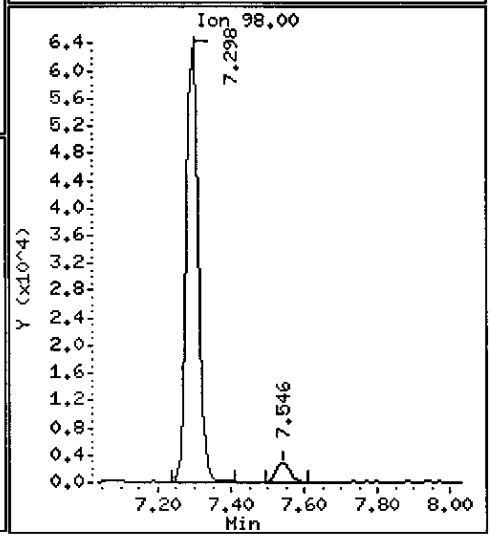












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

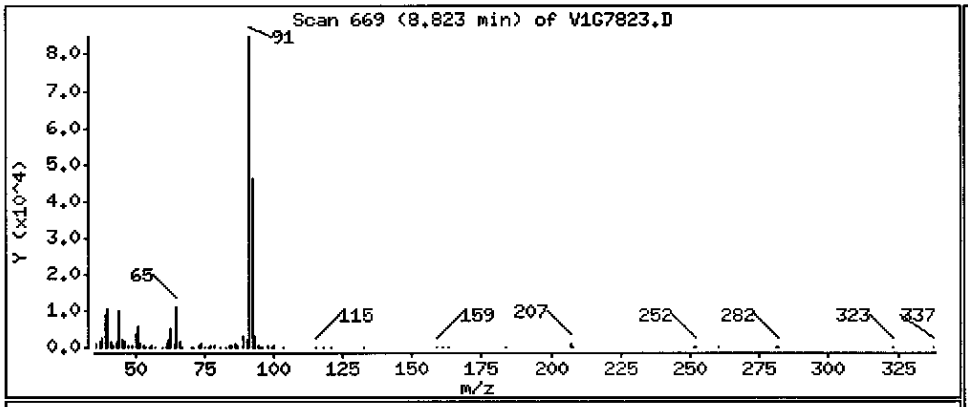
Client ID: B-840 Instrument: V1.i

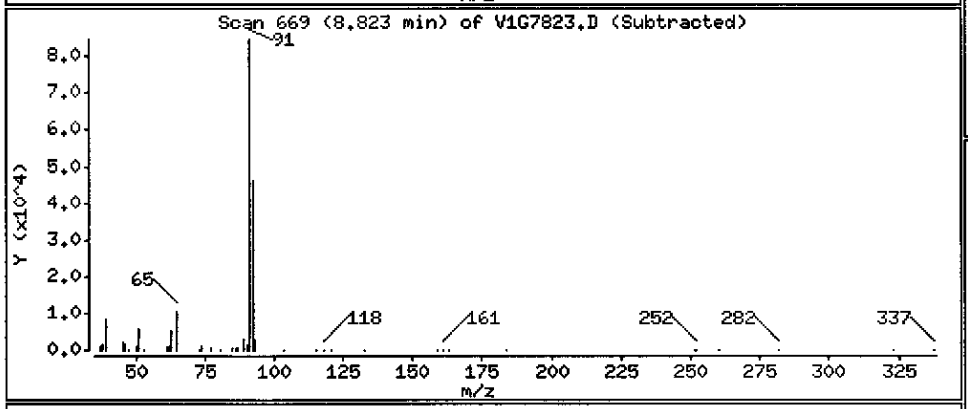
Sample Info: ,D0603-01A,,18283,

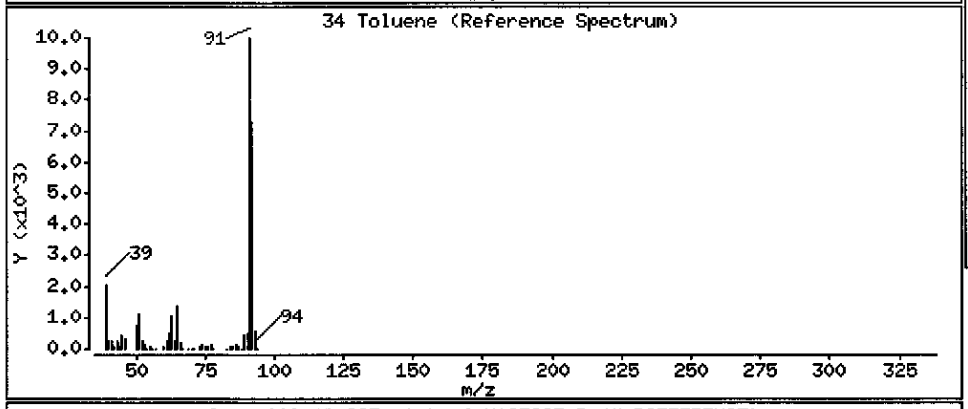
Operator: LG/YD

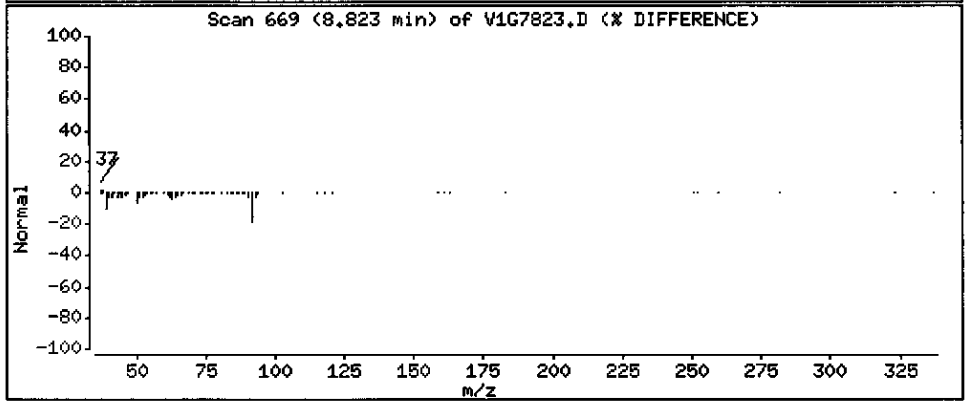
Column phase: DB-624 Column diameter: 0.25

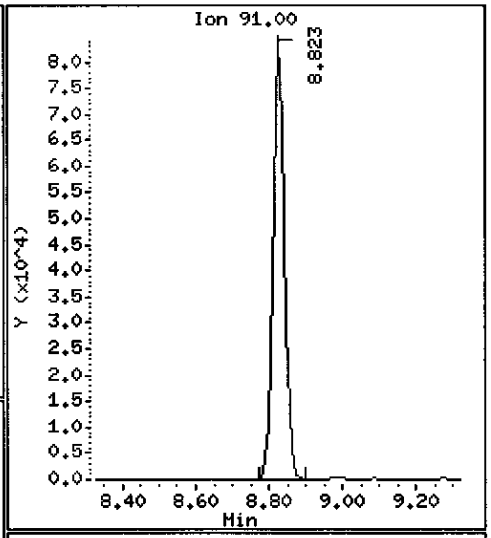
34 Toluene Concentration: 15 ug/Kg

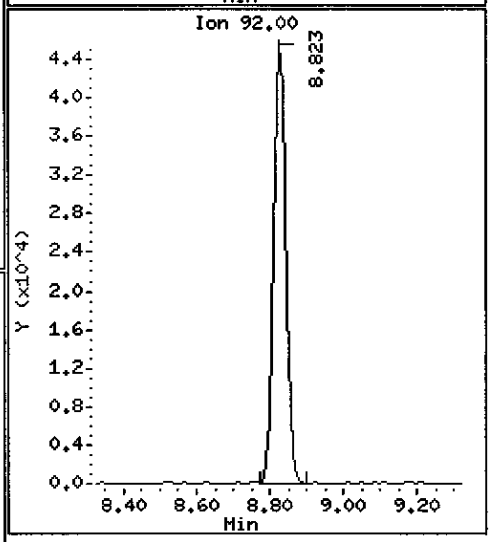












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

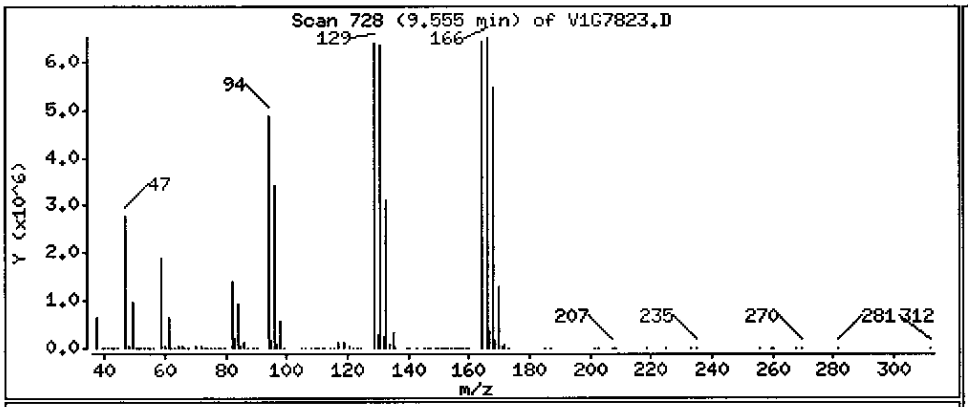
Client ID: B-840 Instrument: V1.i

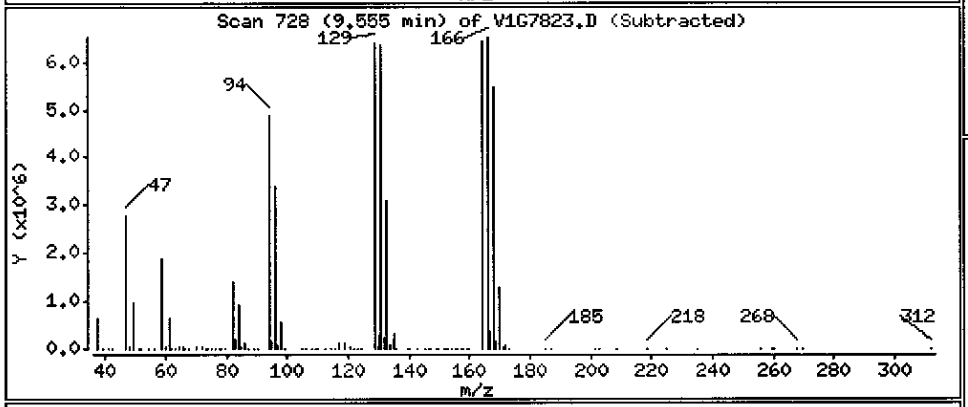
Sample Info: ,D0603-01A,,18283,

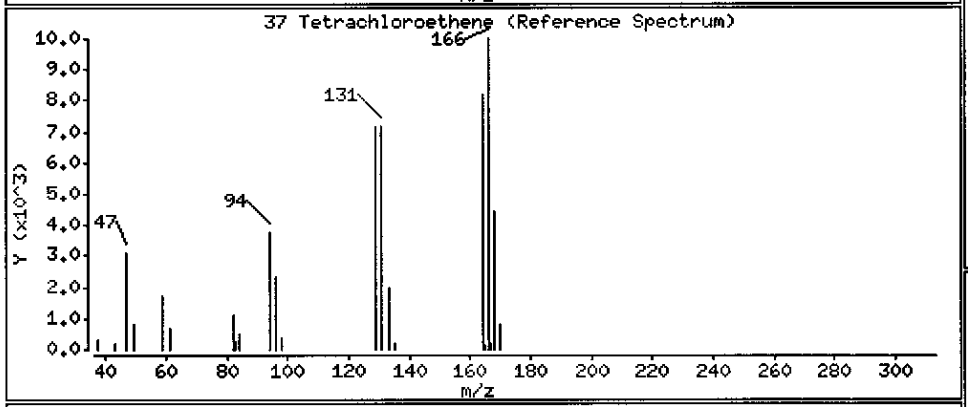
Operator: LG/YD

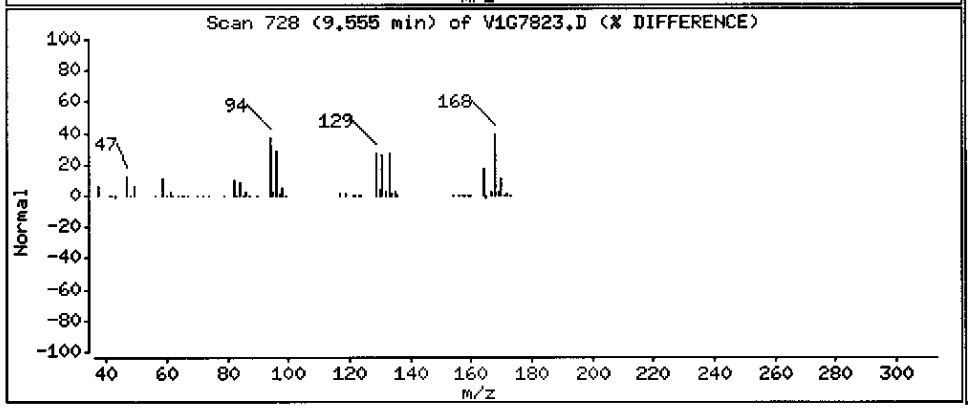
Column phase: DB-624 Column diameter: 0.25

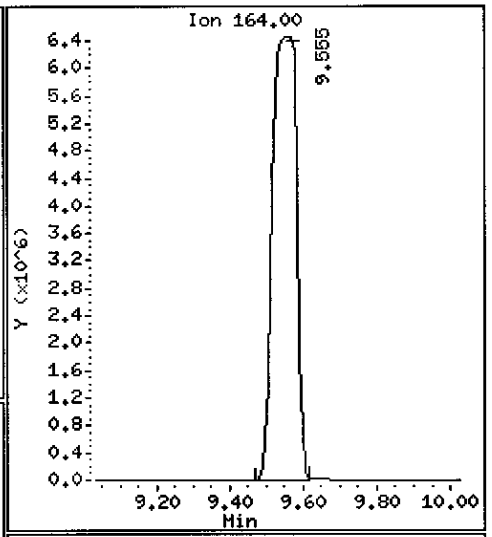
37 Tetrachloroethene Concentration: 12000 ug/Kg

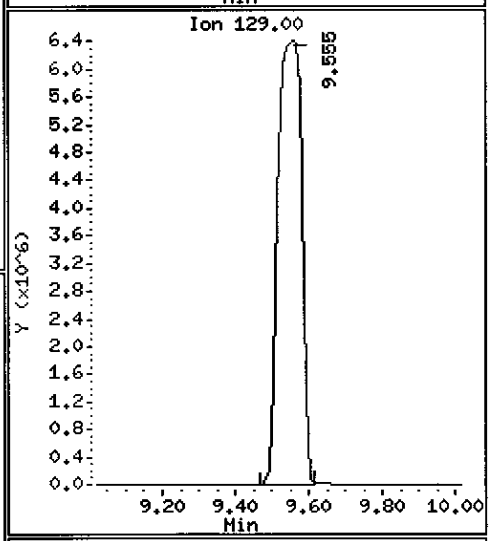


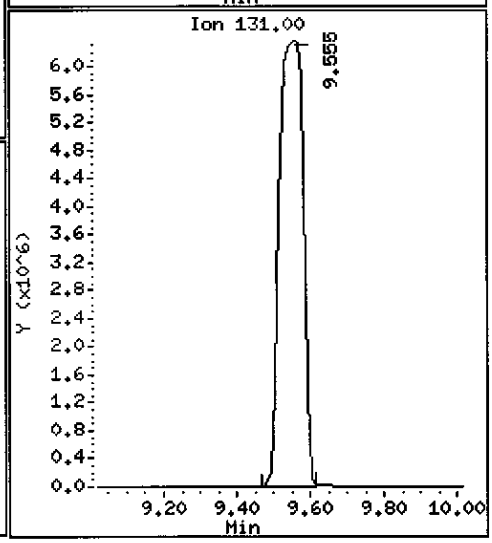












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

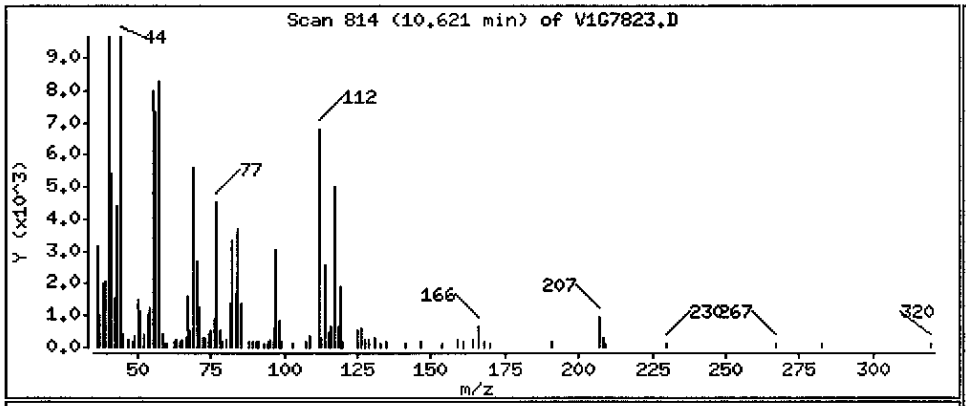
Client ID: B-840 Instrument: V1.i

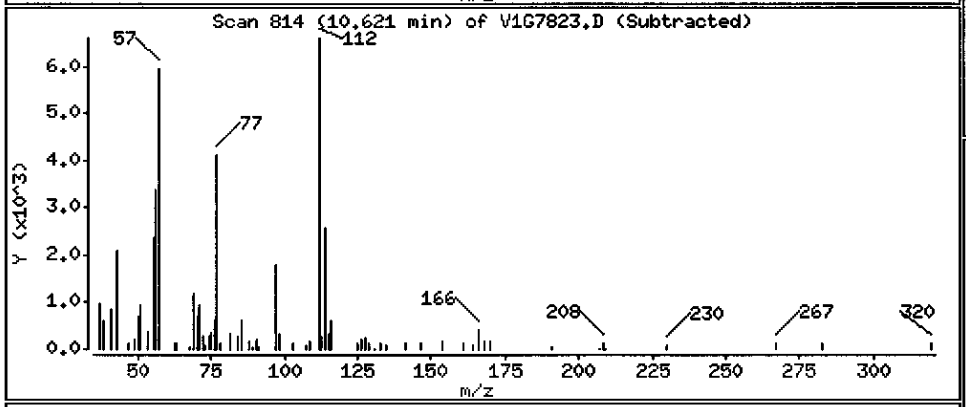
Sample Info: ,D0603-01A,,18283,

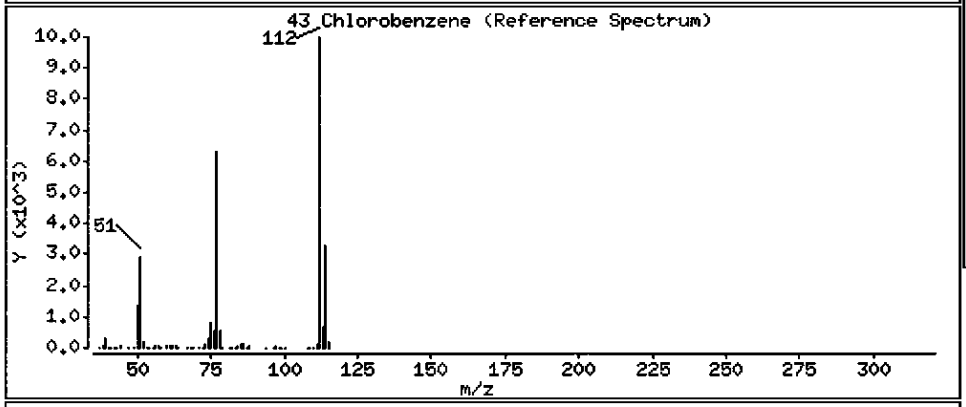
Operator: LG/YD

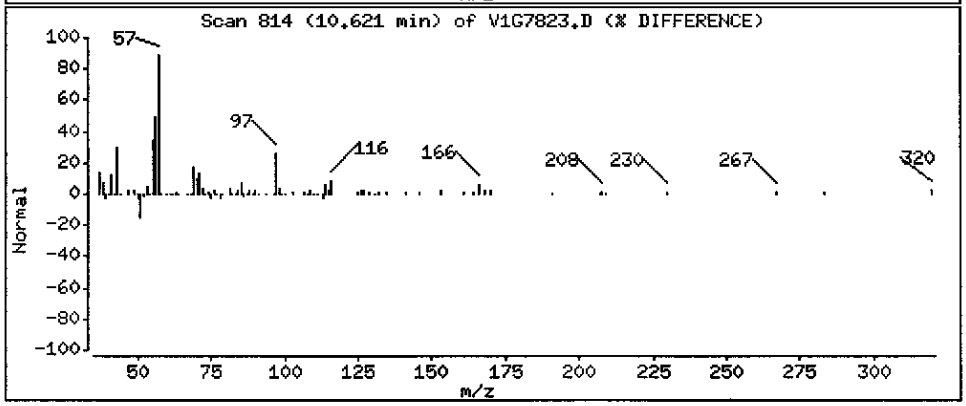
Column phase: DB-624 Column diameter: 0.25

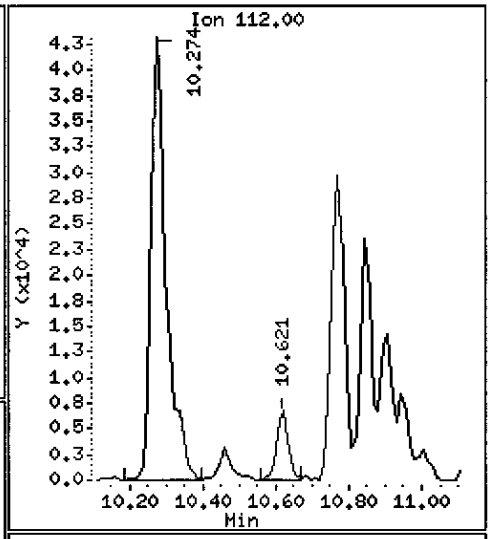
43 Chlorobenzene Concentration: 2 ug/Kg

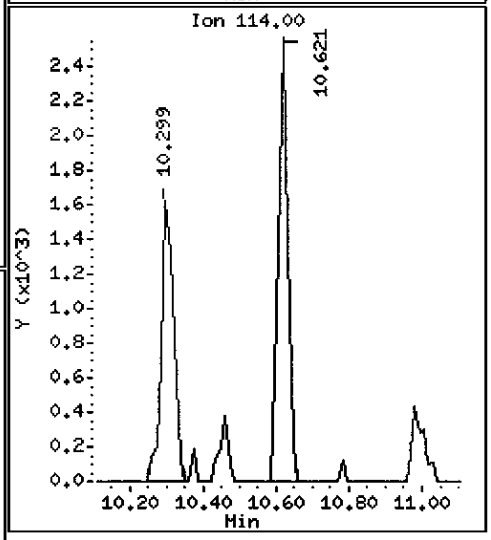












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

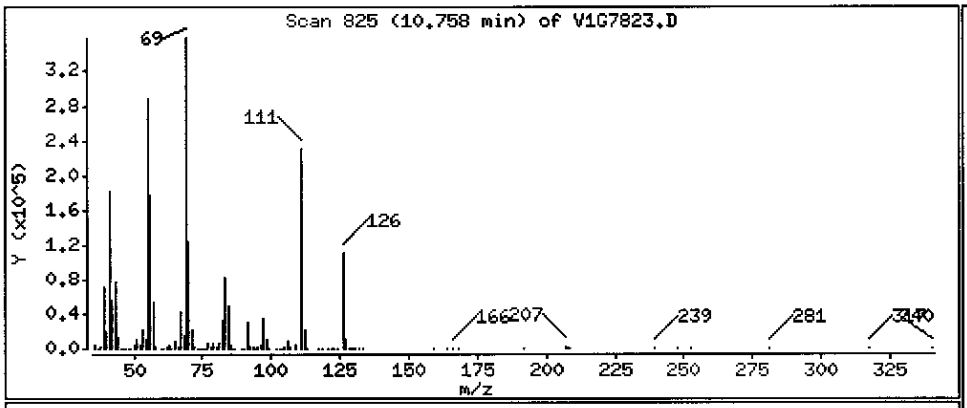
Client ID: B-840 Instrument: V1.i

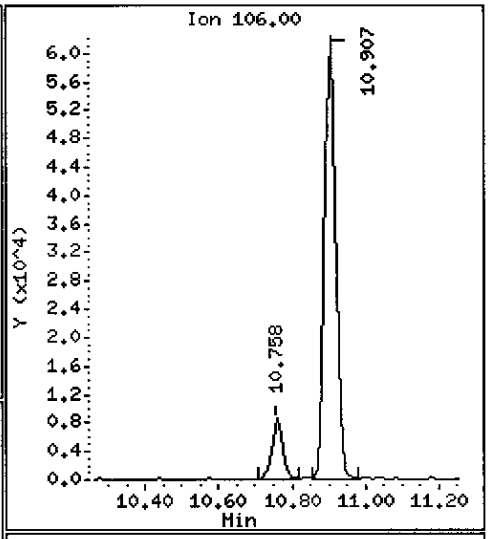
Sample Info: ,D0603-01A,,18283,

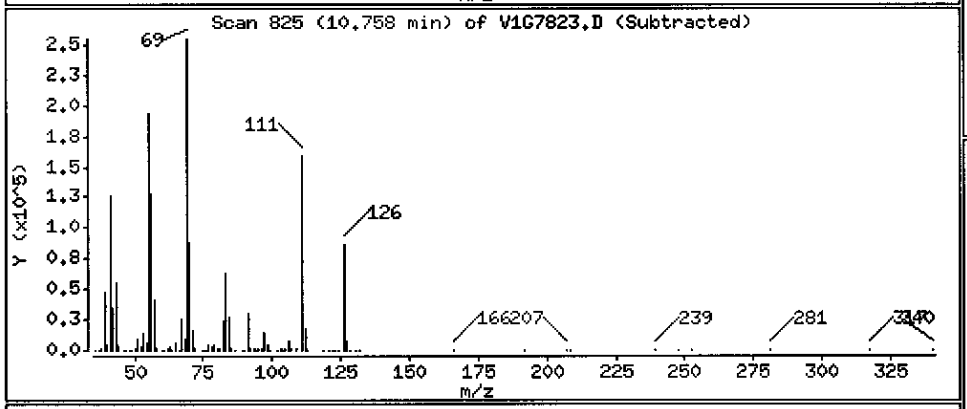
Operator: LG/YD

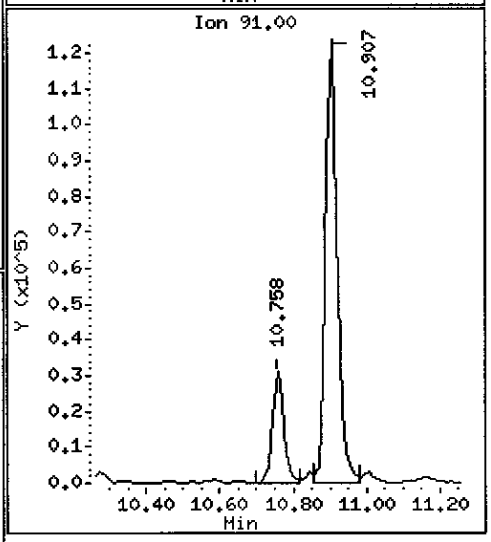
Column phase: DB-624 Column diameter: 0.25

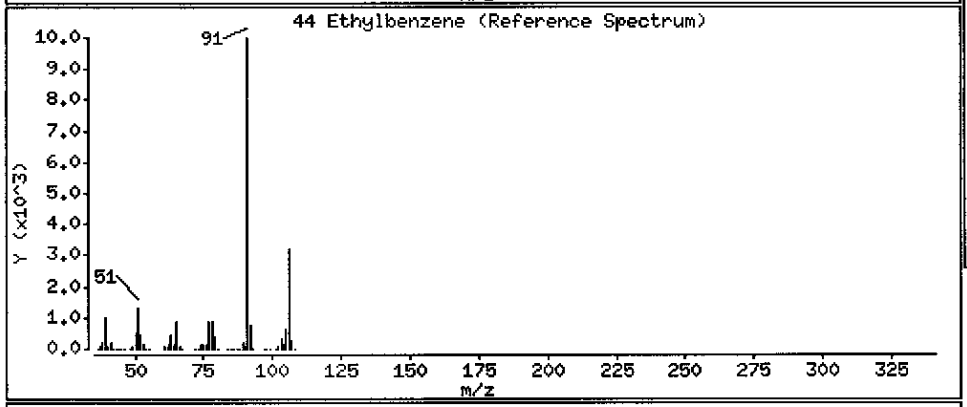
44 Ethylbenzene Concentration: 4 ug/Kg

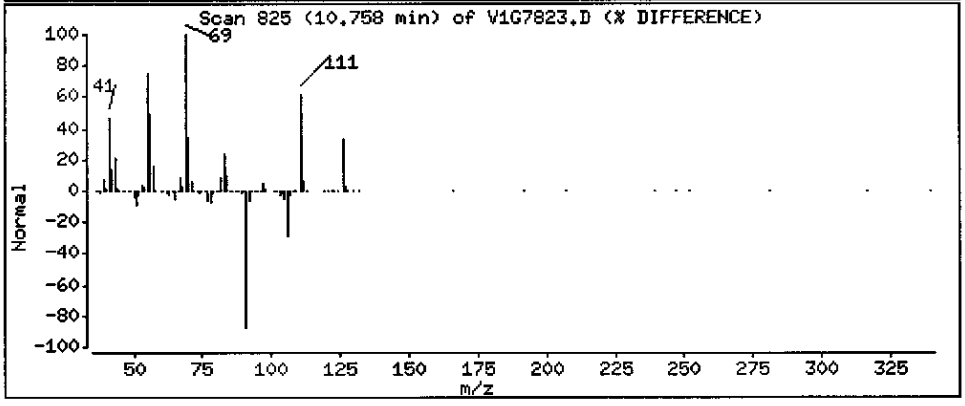












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

Client ID: B-840

Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

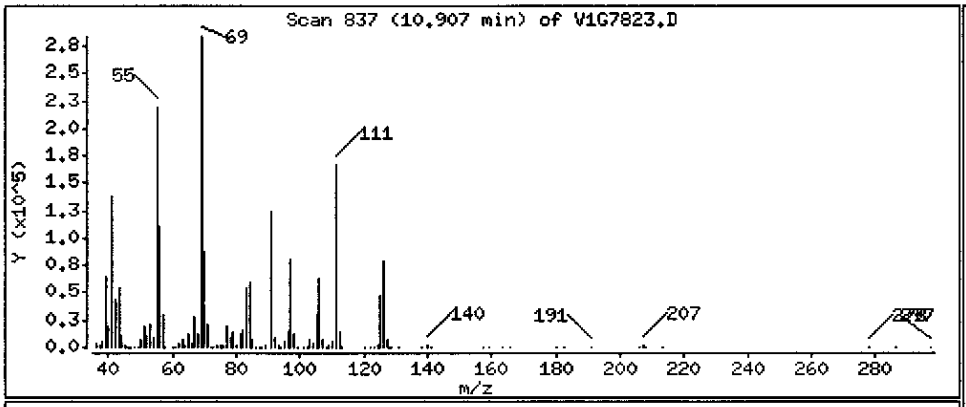
Operator: LG/YD

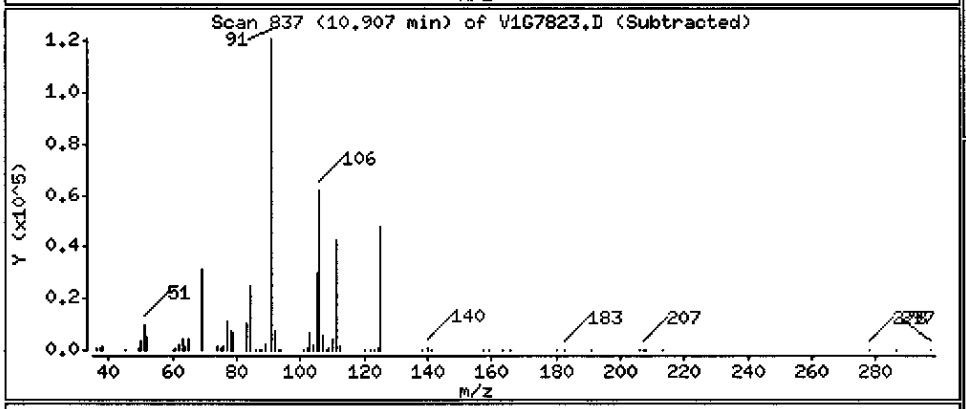
Column phase: DB-624

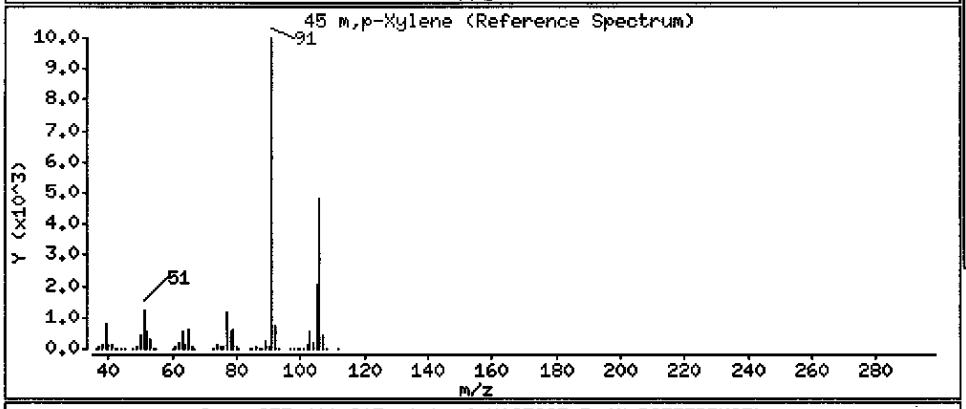
Column diameter: 0.25

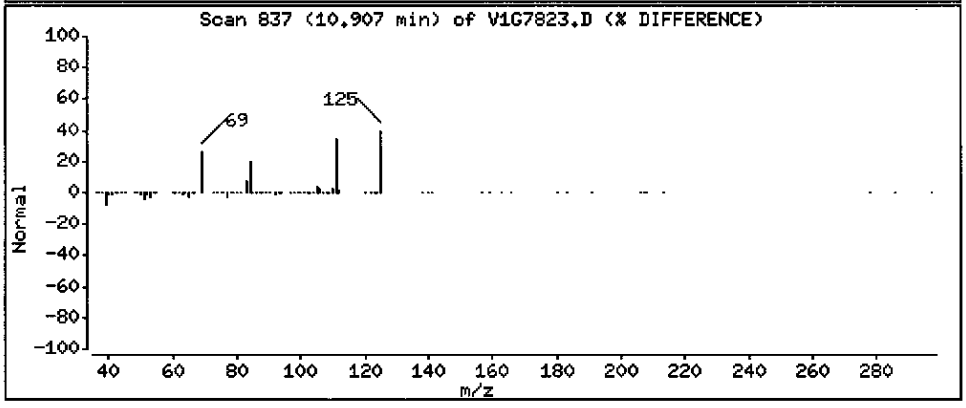
45 m,p-Xylene

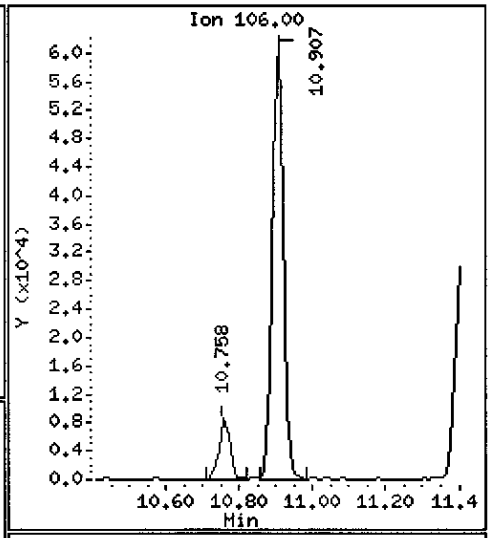
Concentration: 25 ug/Kg

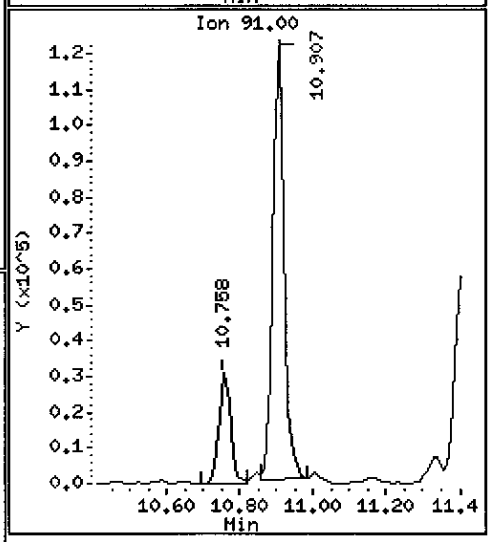












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

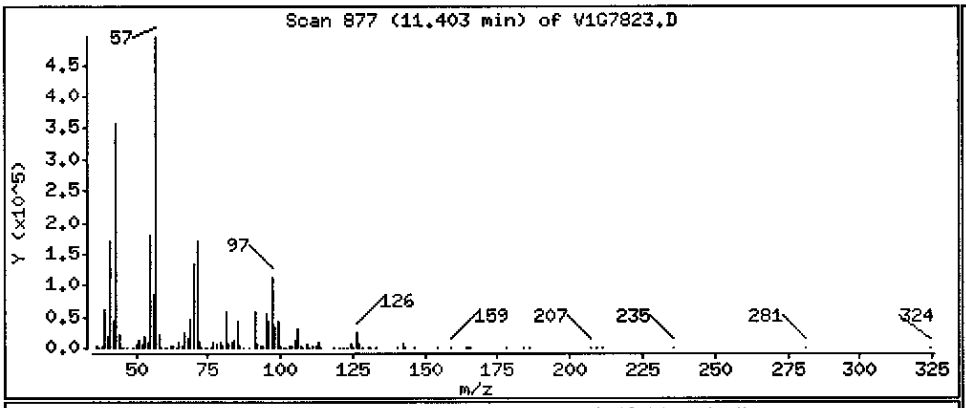
Client ID: B-840 Instrument: V1.i

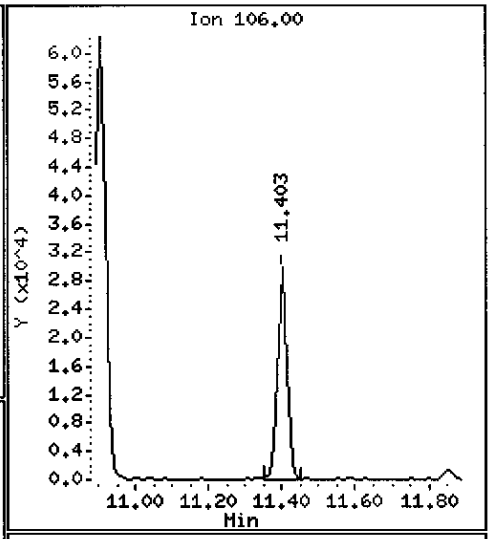
Sample Info: ,D0603-01A,,18283,

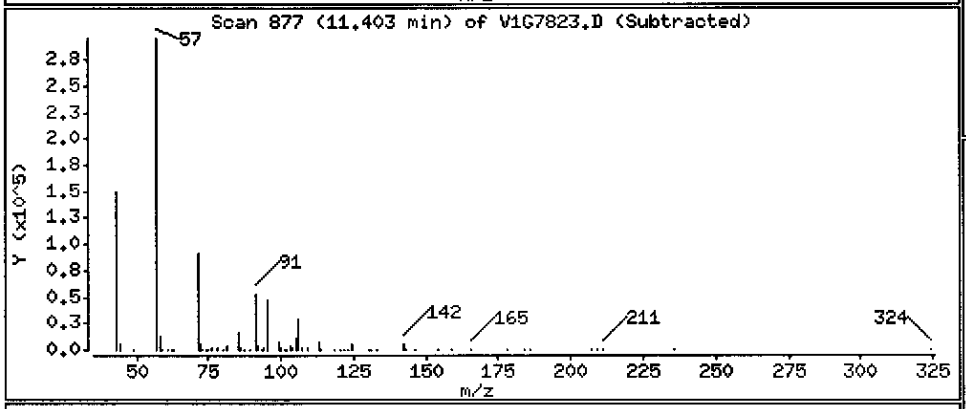
Operator: LG/YD

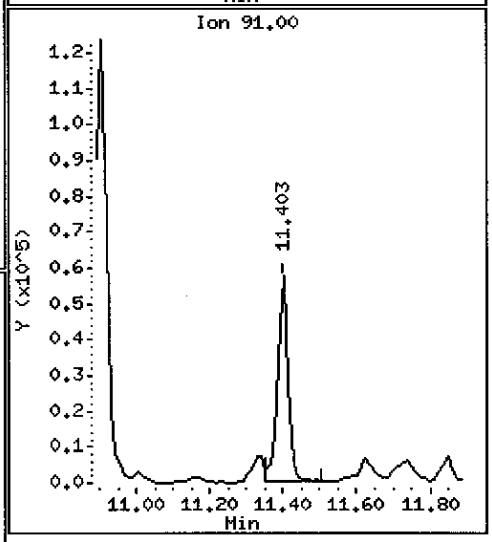
Column phase: DB-624 Column diameter: 0.25

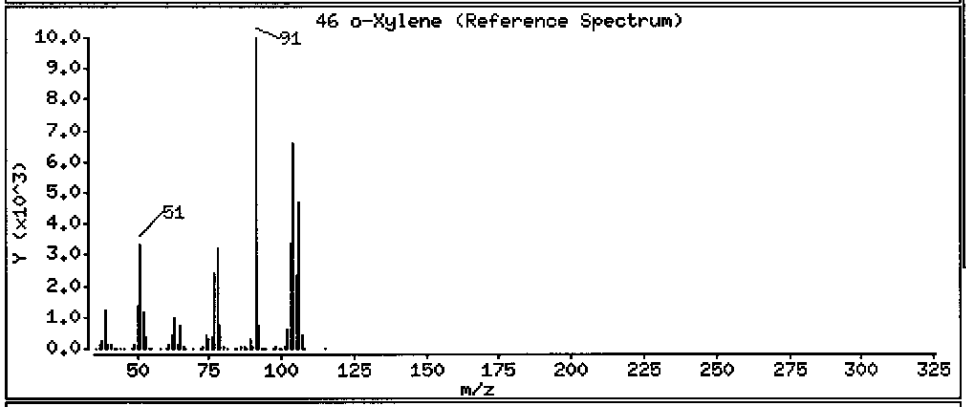
46 o-Xylene Concentration: 11 ug/Kg

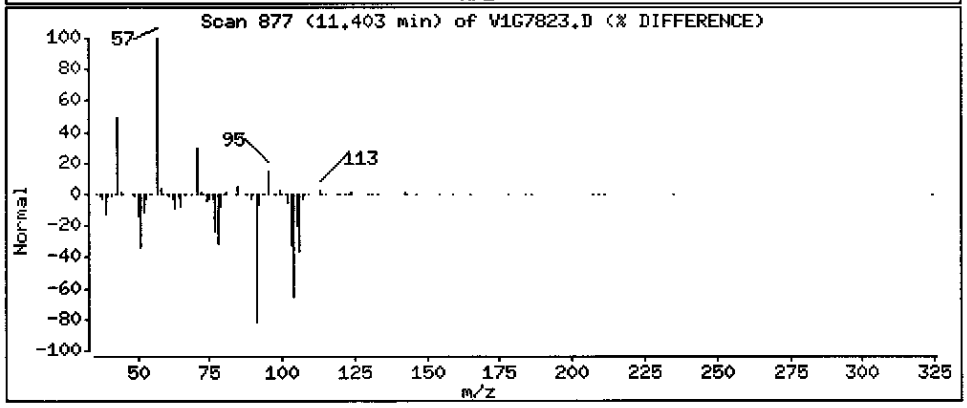












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

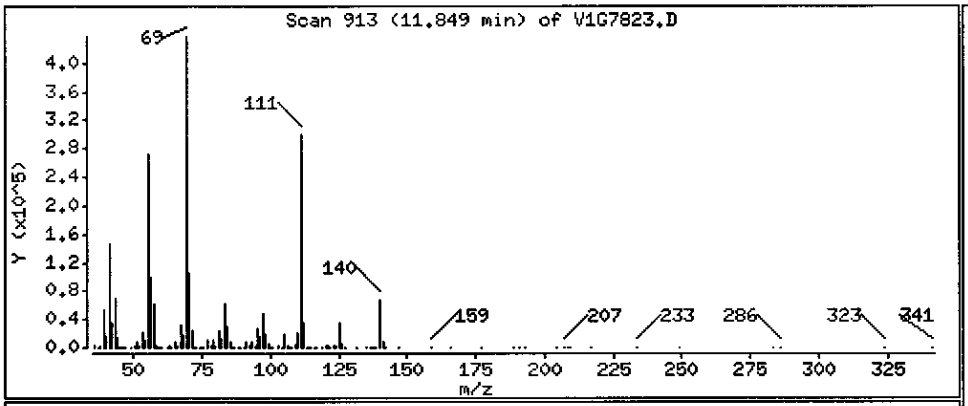
Client ID: B-840 Instrument: V1.i

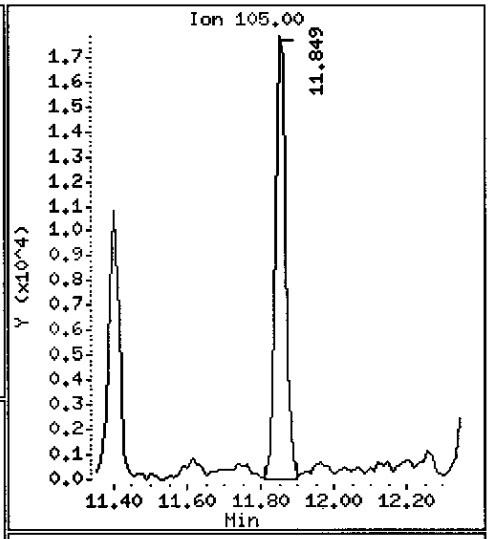
Sample Info: ,D0603-01A,,18283,

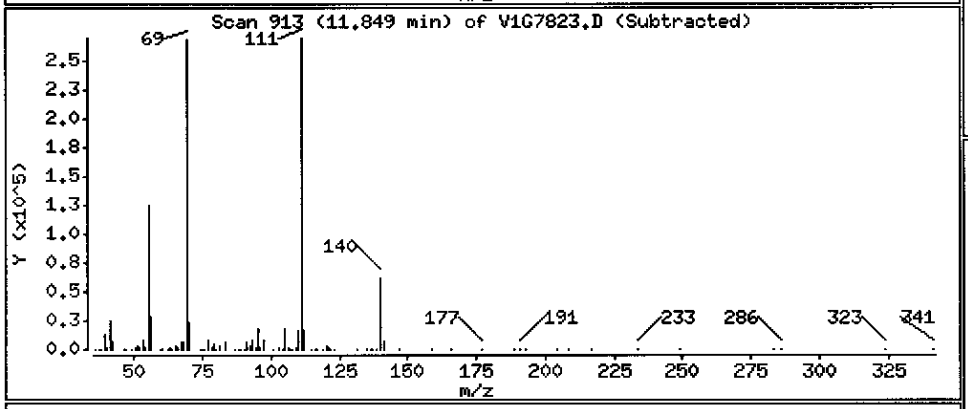
Operator: LG/YD

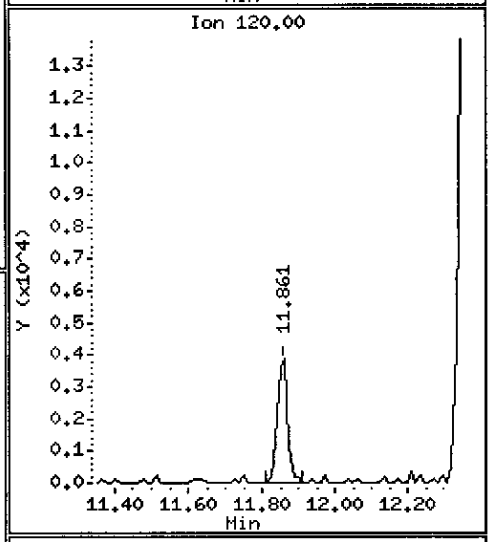
Column phase: DB-624 Column diameter: 0.25

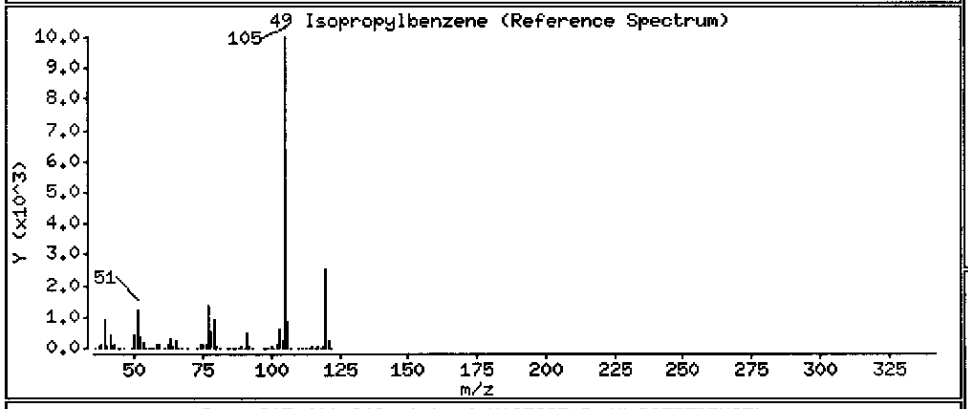
49 Isopropylbenzene Concentration: 3 ug/Kg

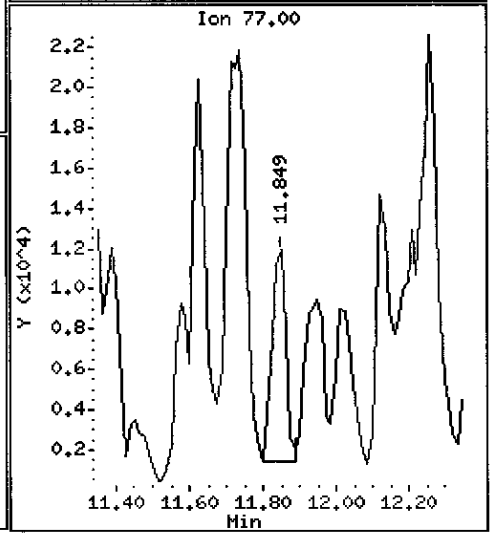


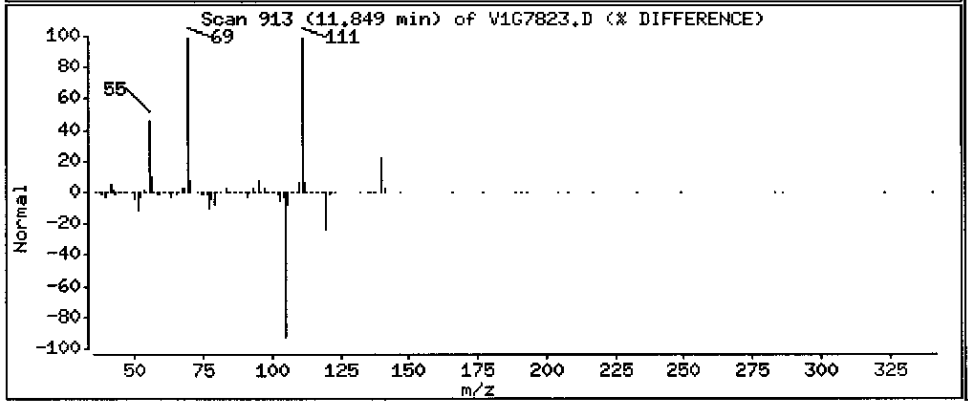












Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

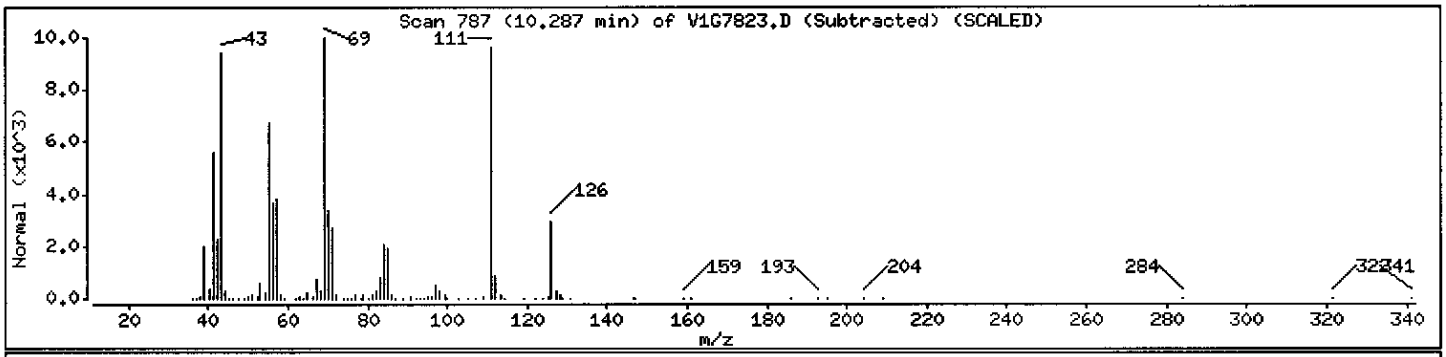
Client ID: B-840 Instrument: V1.i

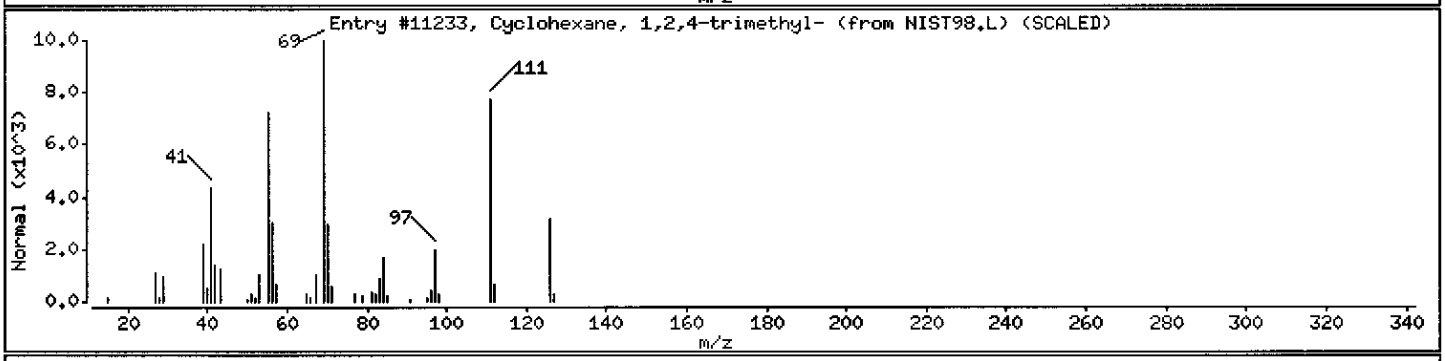
Sample Info: ,D0603-01A,,18283,

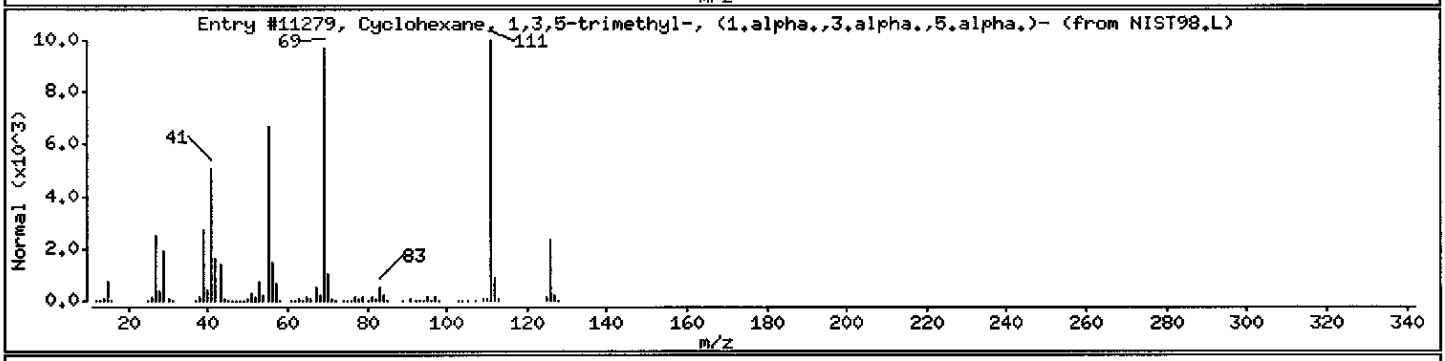
Operator: LC/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, 1,2,4-trimethyl-	2234-75-5	NIST98.L	11233	81	C9H18	126
Cyclohexane, 1,3,5-trimethyl-, (1.alpha.	1795-27-3	NIST98.L	11279	68	C9H18	126







Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

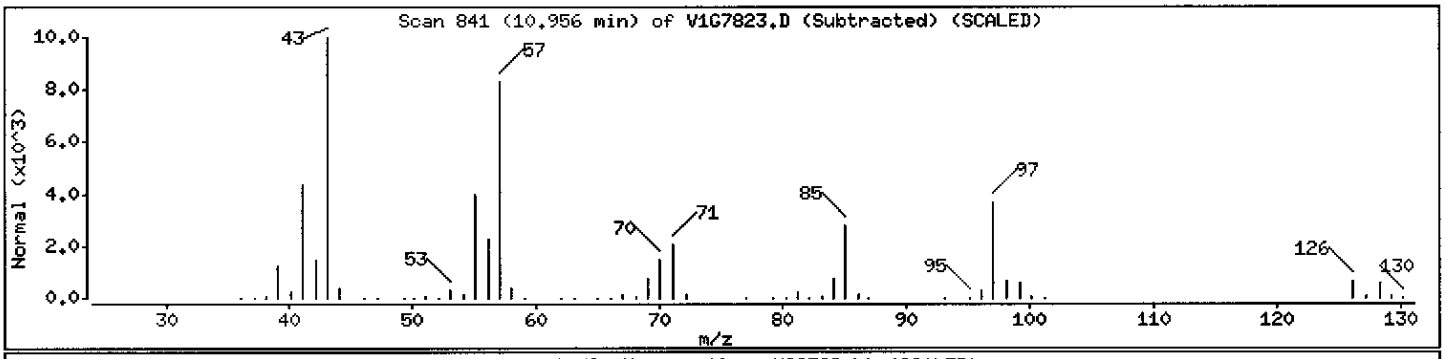
Client ID: B-840 Instrument: V1.i

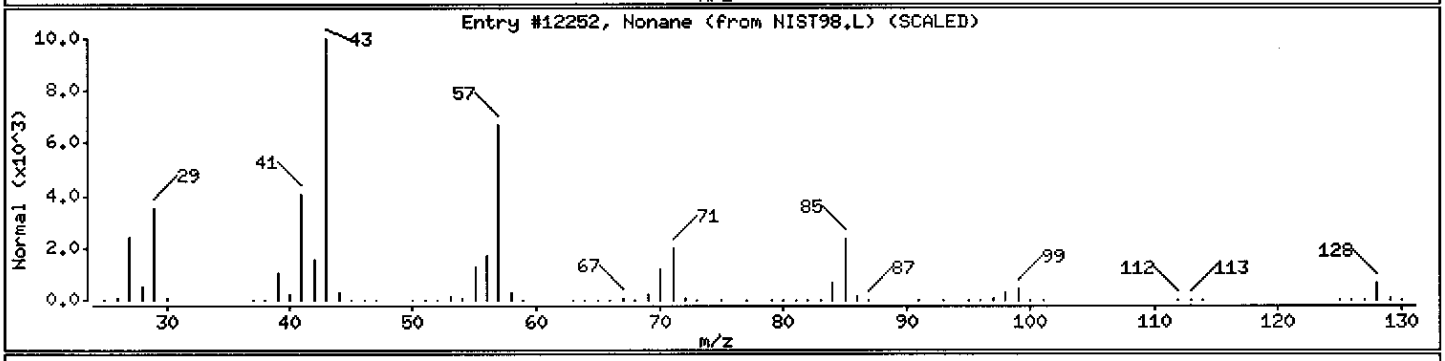
Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Straight-chain Alkane						
Nonane	111-84-2	NIST98.L	12252	94	C9H20	128





Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

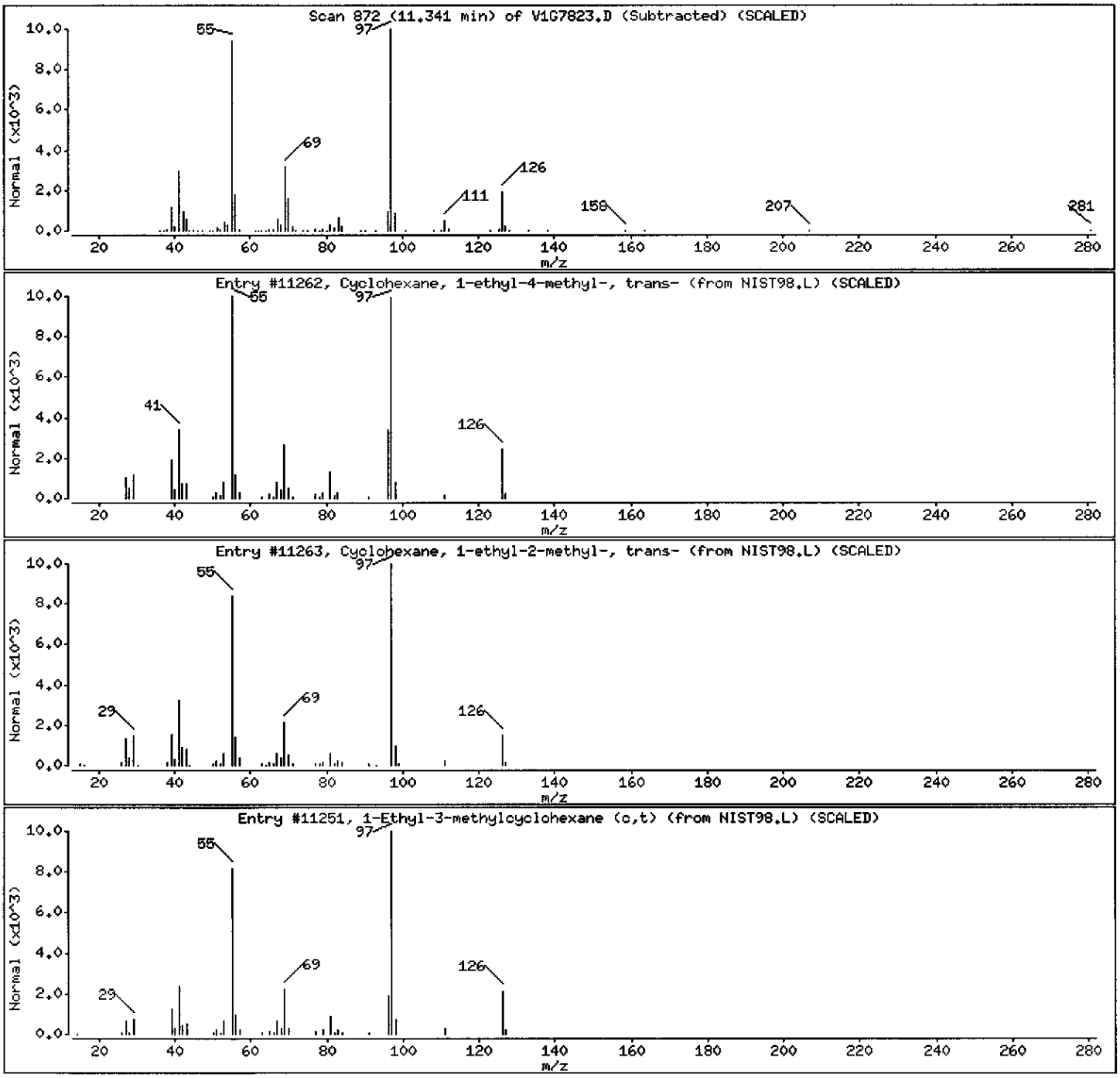
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, 1-ethyl-4-methyl-, trans-	6236-88-0	NIST98.L	11262	80	C9H18	126
Cyclohexane, 1-ethyl-2-methyl-, trans-	4923-78-8	NIST98.L	11263	80	C9H18	126
1-Ethyl-3-methylcyclohexane (c,t)	3728-55-0	NIST98.L	11251	80	C9H18	126



Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

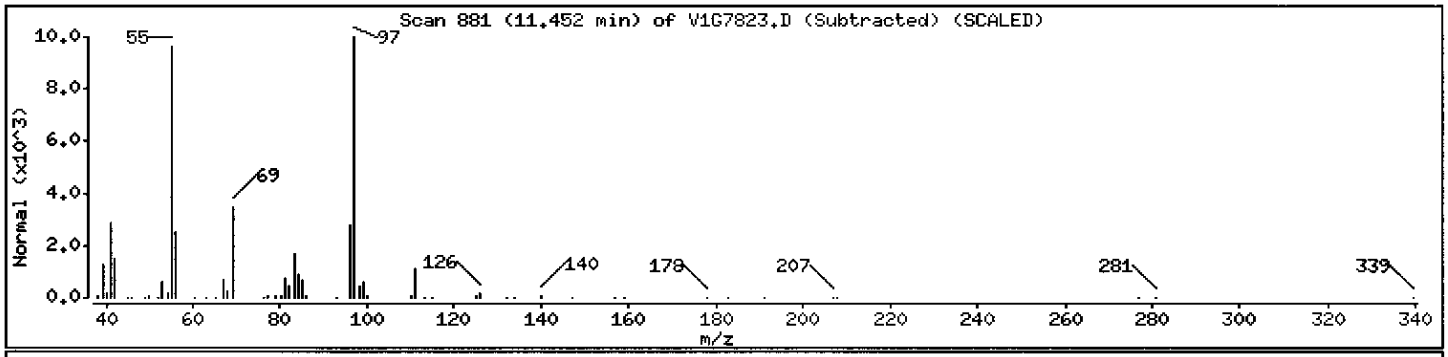
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

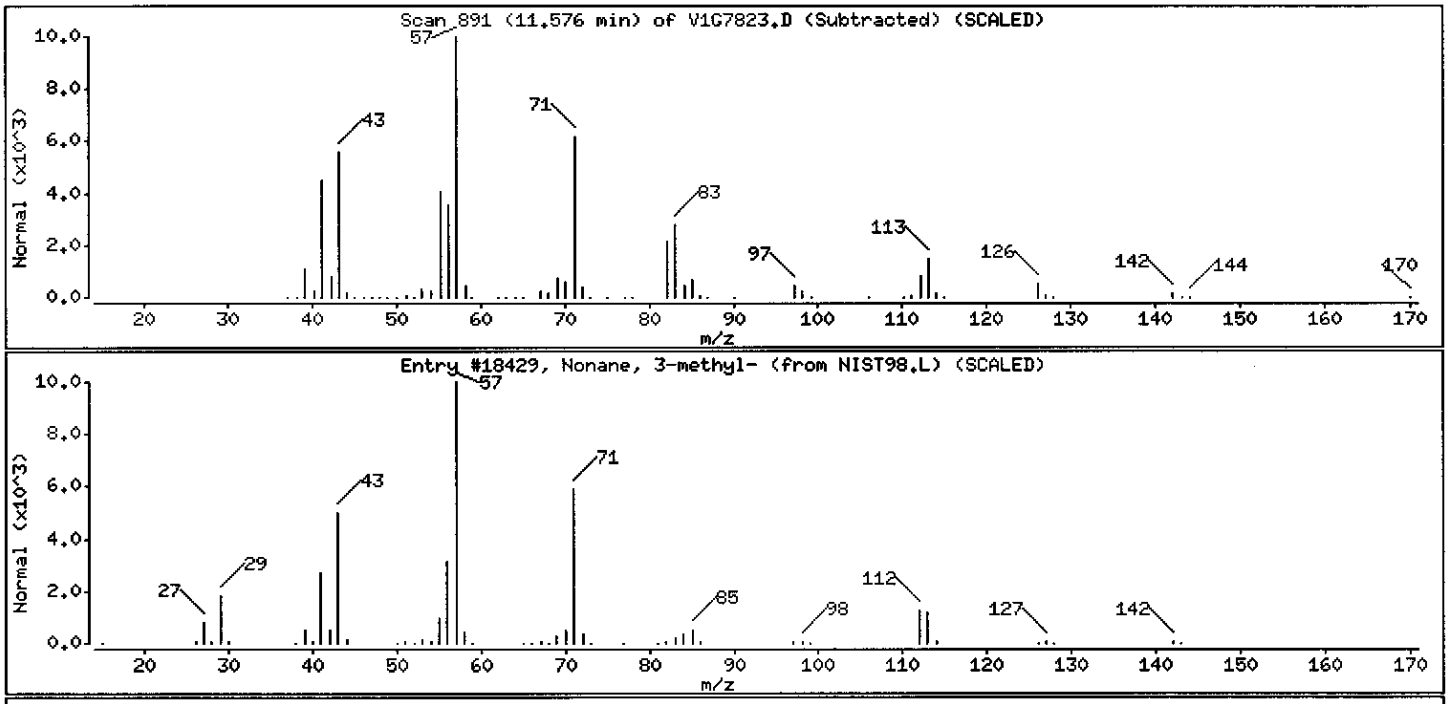
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Nonane, 3-methyl-	5911-04-6	NIST98.L	18429	78	C10H22	142



Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

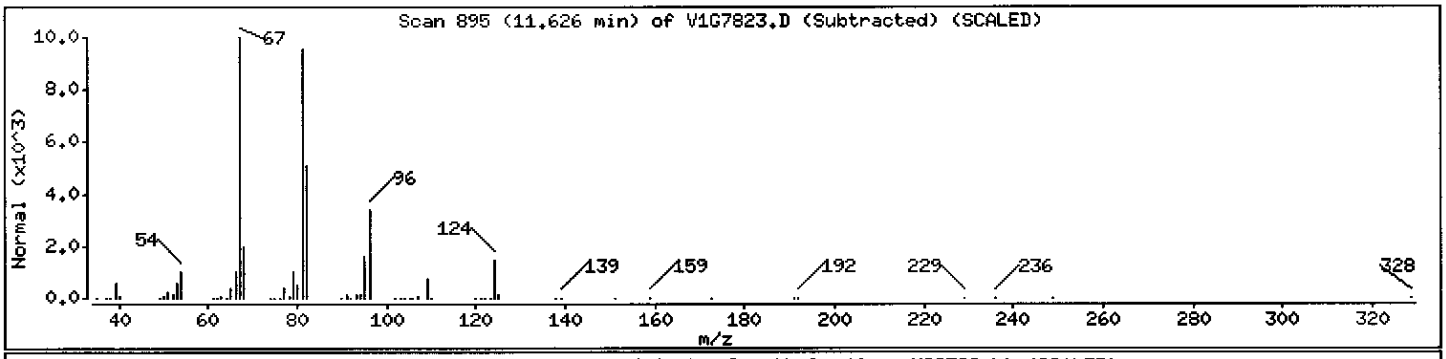
Client ID: B-840 Instrument: V1.i

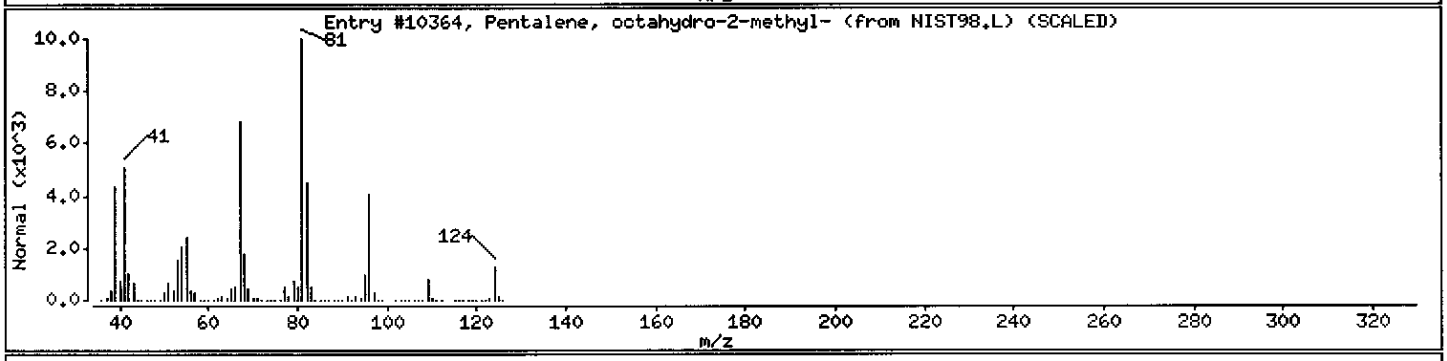
Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Pentalene, octahydro-2-methyl-	3868-64-2	NIST98.L	10364	74	C9H16	124





Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

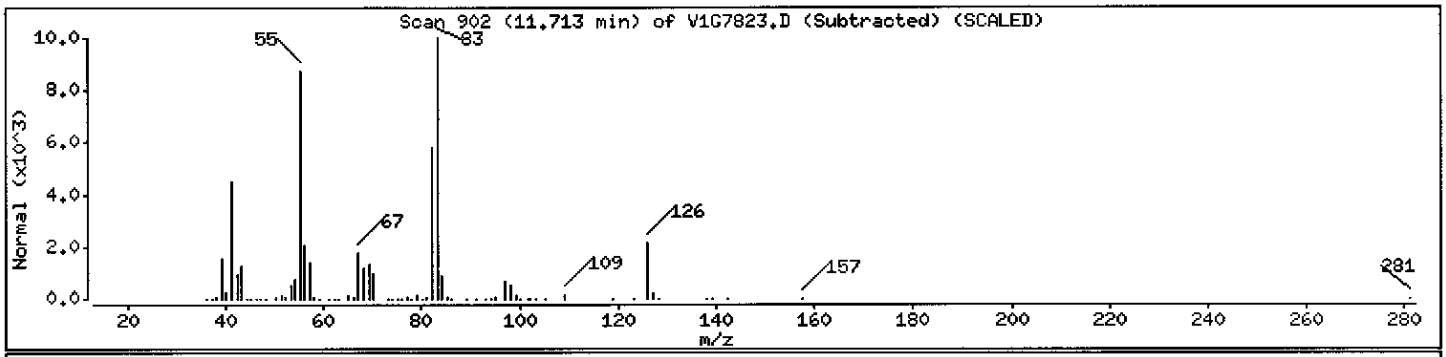
Client ID: B-840 Instrument: V1.i

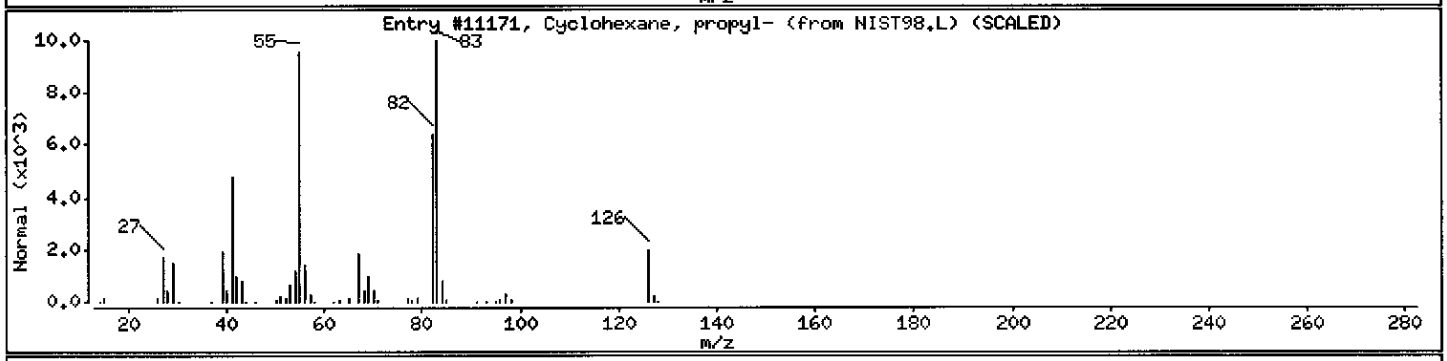
Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclic Alkane						
Cyclohexane, propyl-	1678-92-8	NIST98.L	11171	90	C9H18	126





Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

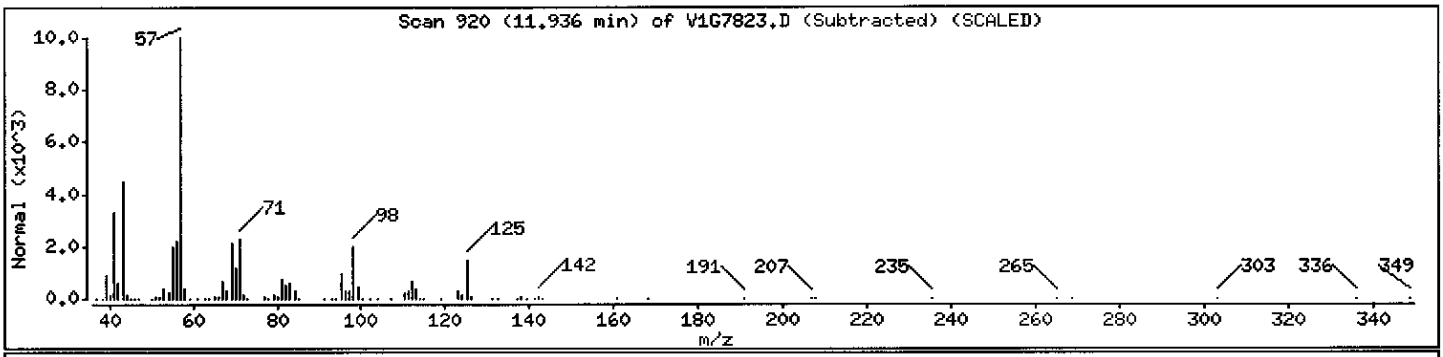
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOCADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

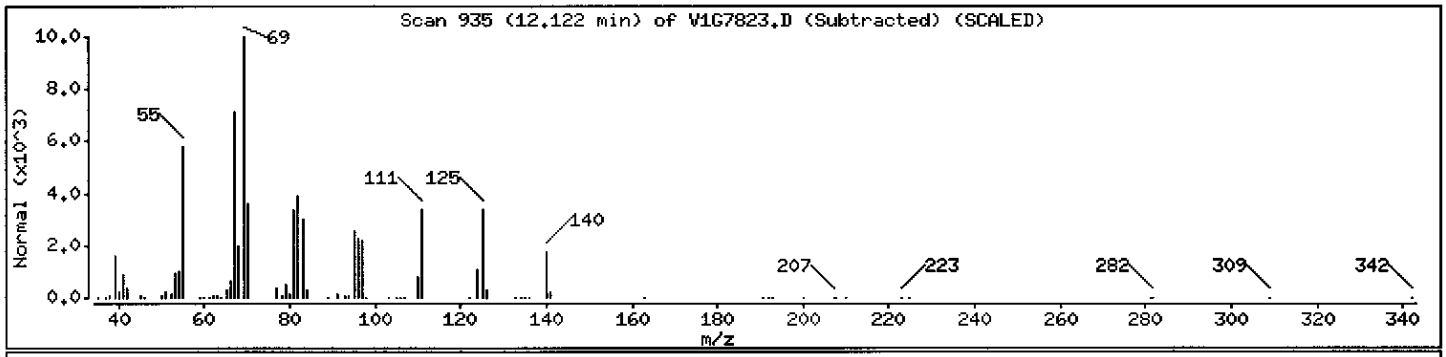
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

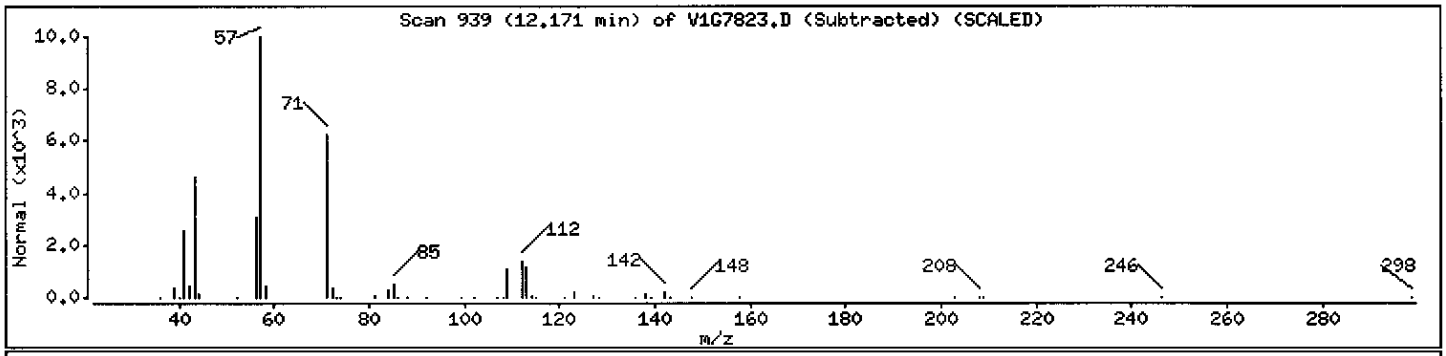
Client ID: B-840 Instrument: V1.i

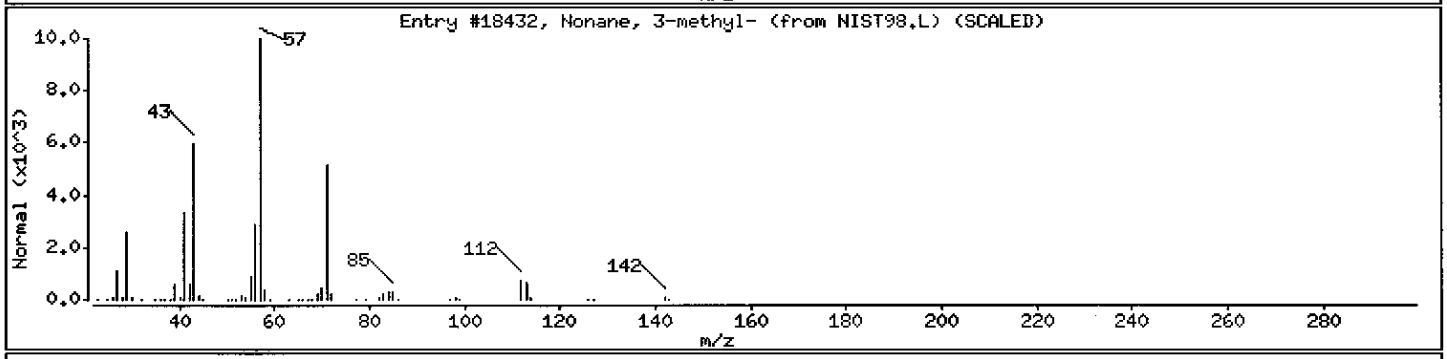
Sample Info: ,D0603-01A,,18283,

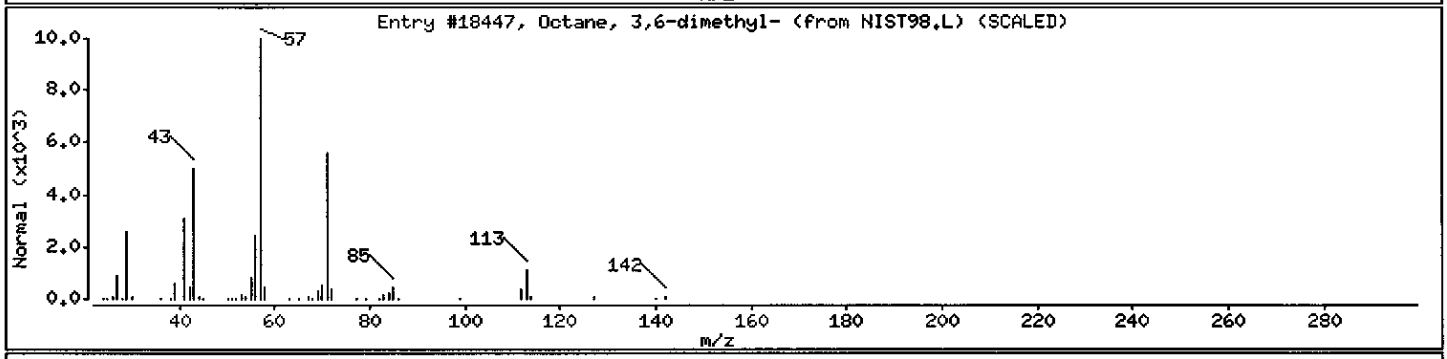
Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Nonane, 3-methyl-	5911-04-6	NIST98.L	18432	83	C10H22	142
Octane, 3,6-dimethyl-	15869-94-0	NIST98.L	18447	81	C10H22	142







Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

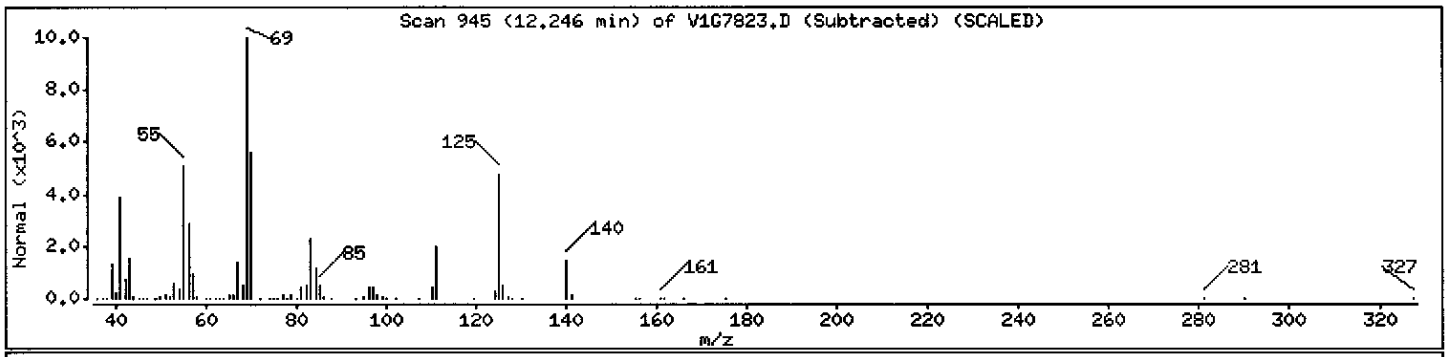
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

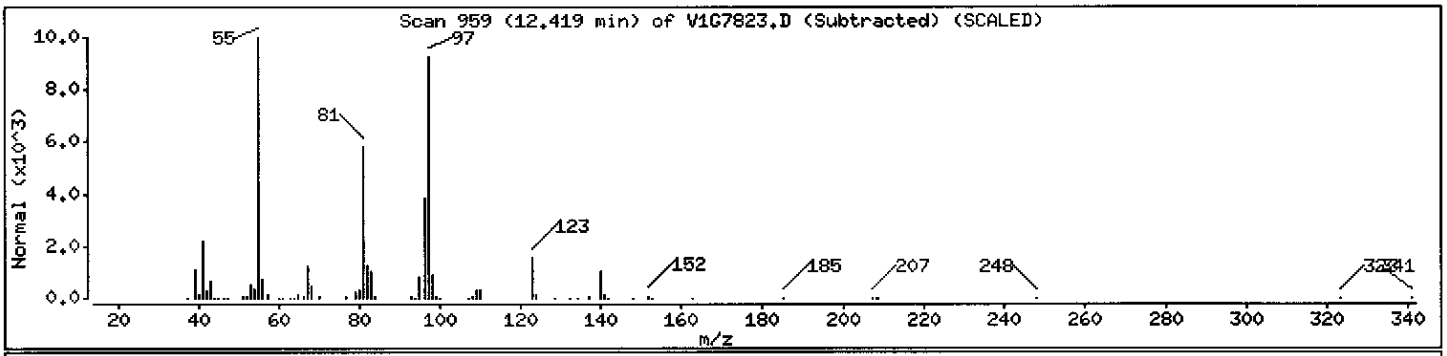
Client ID: B-840 Instrument: V1.i

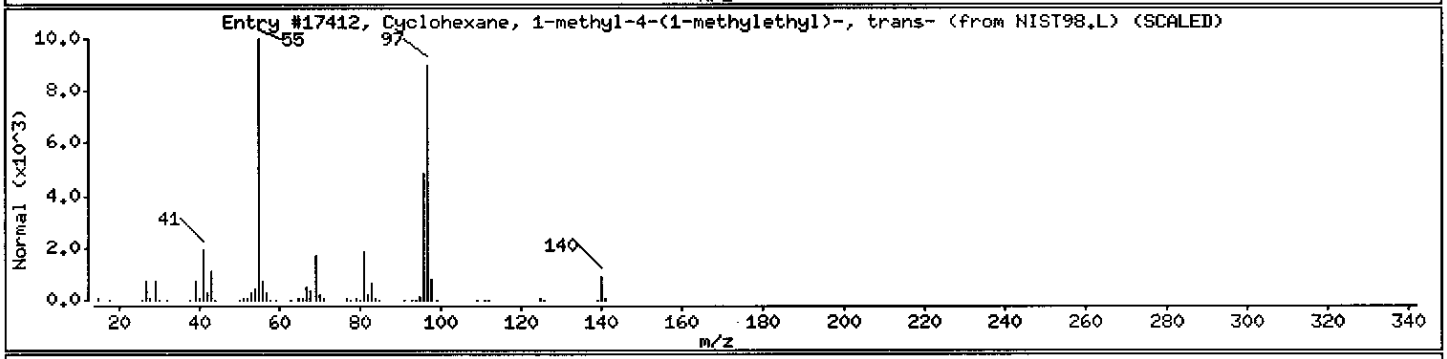
Sample Info: ,D0603-01A,,18283,

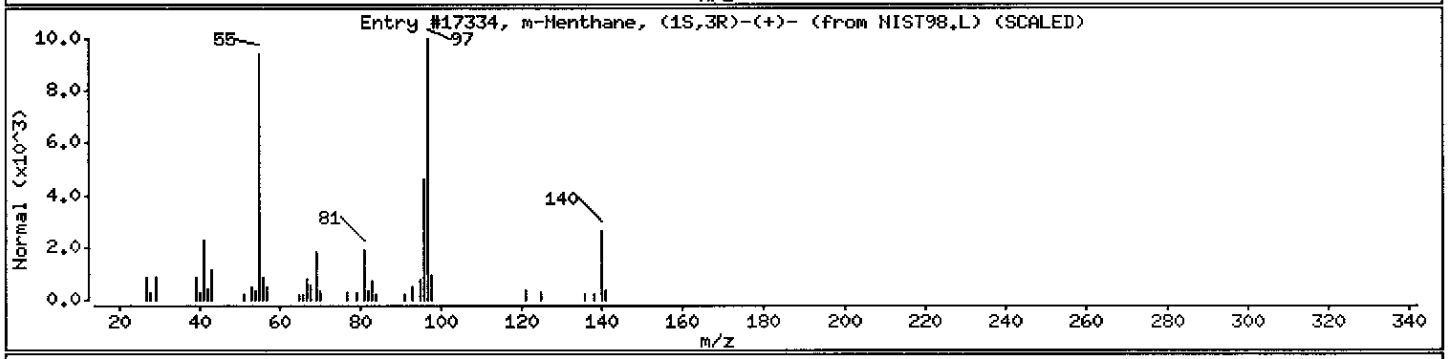
Operator: LG/YD

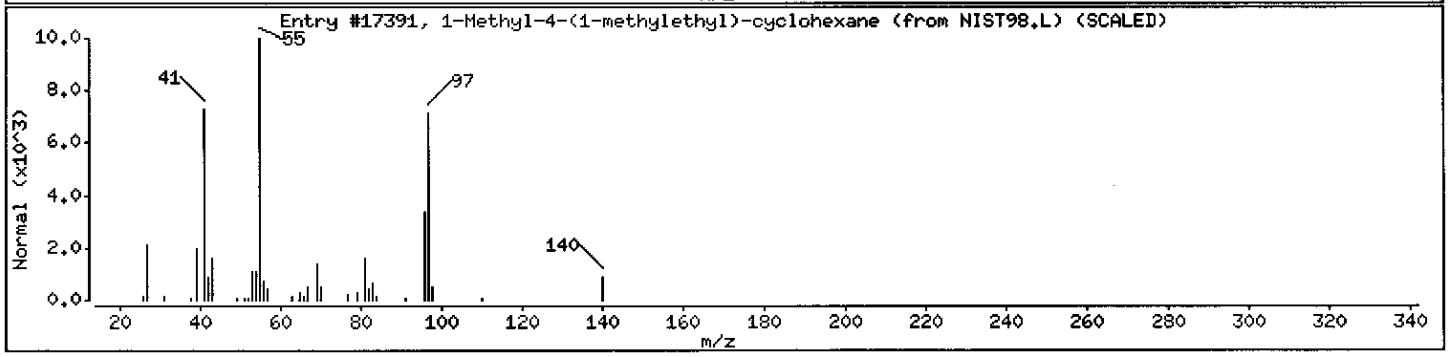
Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclic Alkane						
Cyclohexane, 1-methyl-4-(1-methylethyl)-	1678-82-6	NIST98.L	17412	87	C10H20	140
m-Menthane, (1S,3R)-(+)-	13837-66-6	NIST98.L	17334	78	C10H20	140
1-Methyl-4-(1-methylethyl)-cyclohexane	99-82-1	NIST98.L	17391	78	C10H20	140









Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

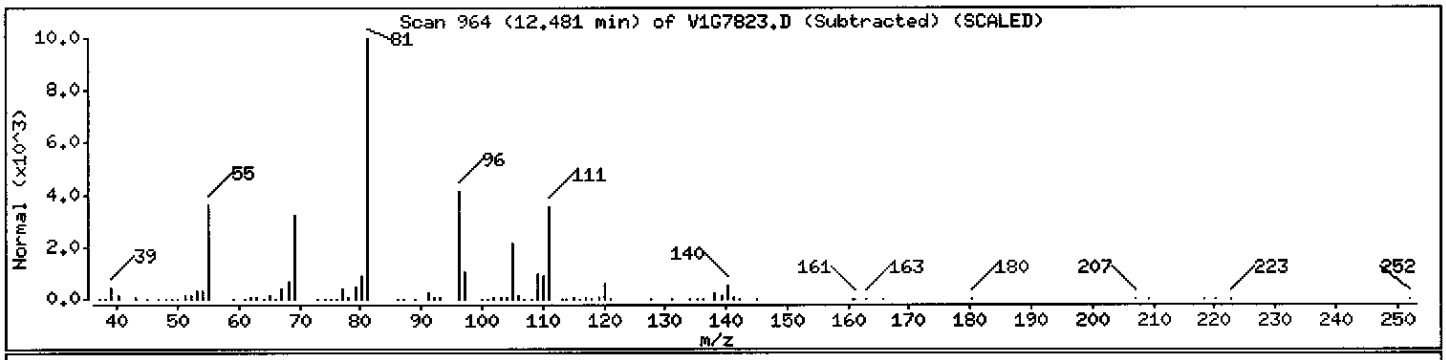
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

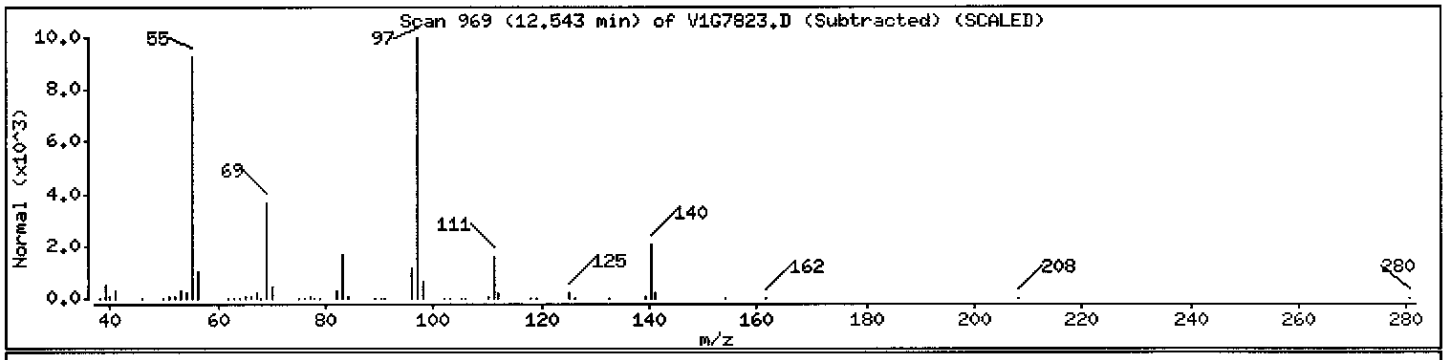
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LC/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 26-MAY-2005 18:47

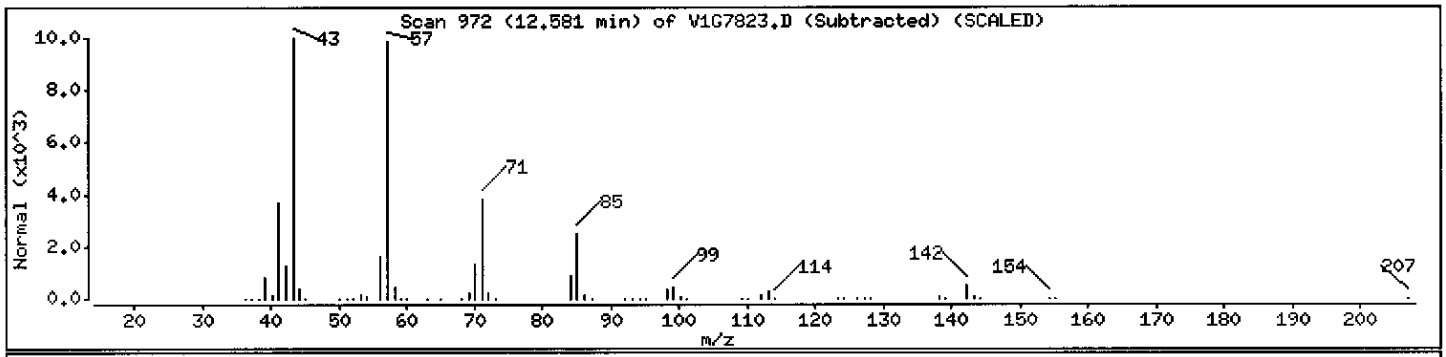
Client ID: B-840 Instrument: V1.i

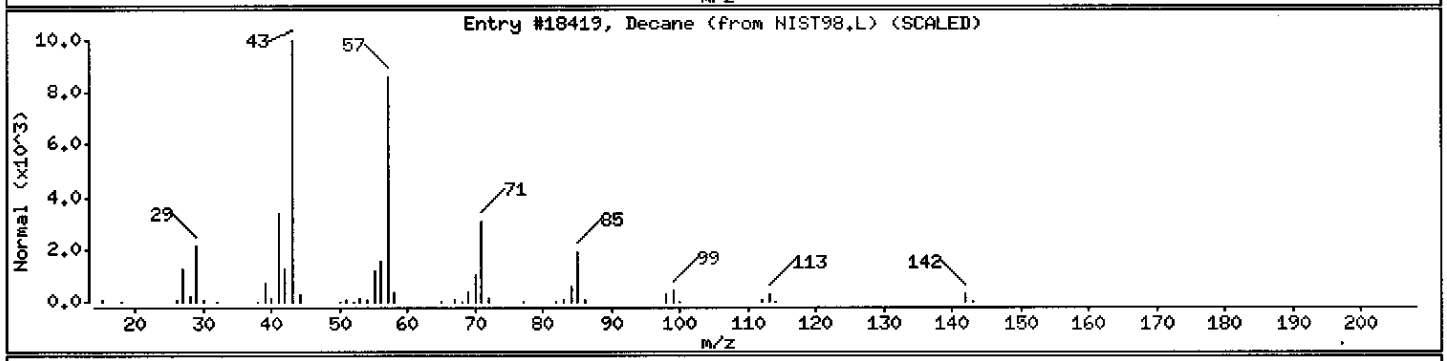
Sample Info: ,D0603-01A,,18283,

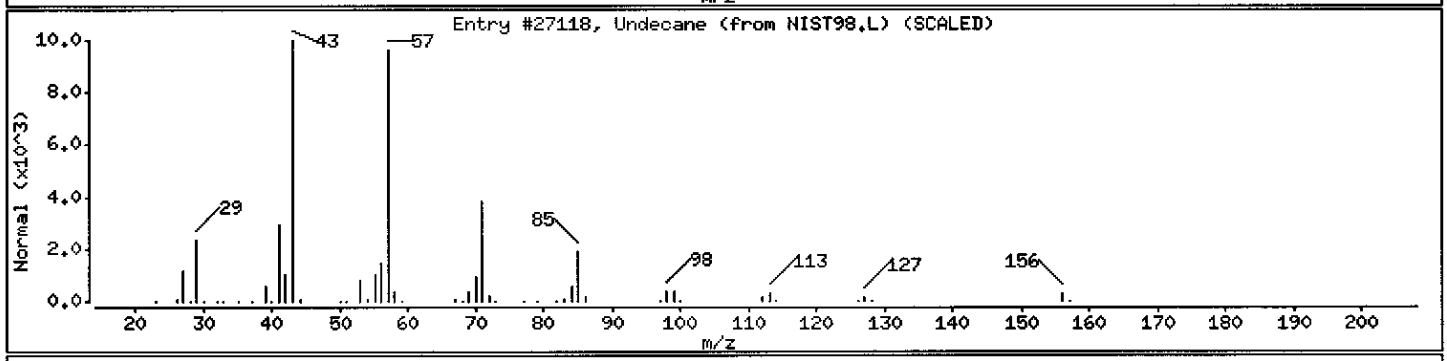
Operator: LG/YD

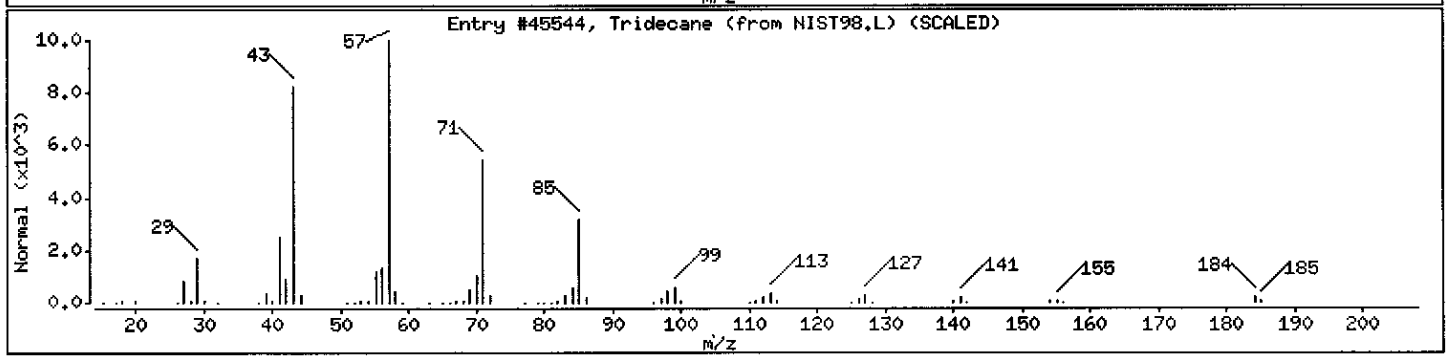
Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Straight-chain Alkane						
Decane	124-18-5	NIST98.L	18419	97	C10H22	142
Undecane	1120-21-4	NIST98.L	27118	90	C11H24	156
Tridecane	629-50-5	NIST98.L	45544	83	C13H28	184









Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

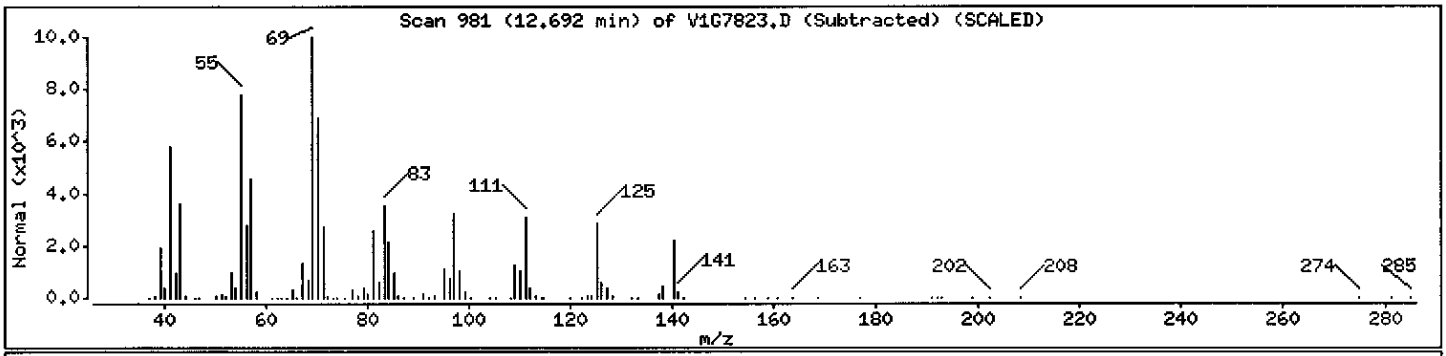
Client ID: B-840 Instrument: V1.i

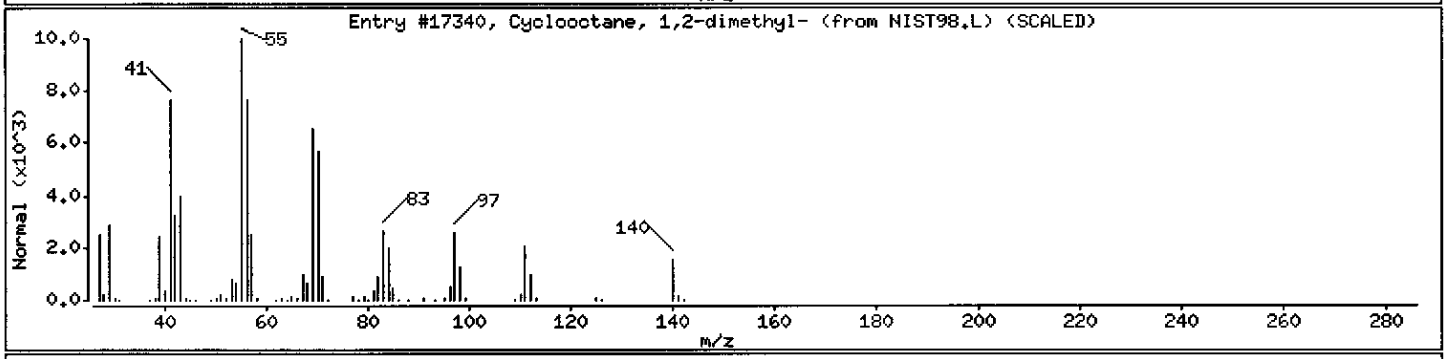
Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclooctane, 1,2-dimethyl-	13151-94-5	NIST98.L	17340	81	C10H20	140





Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

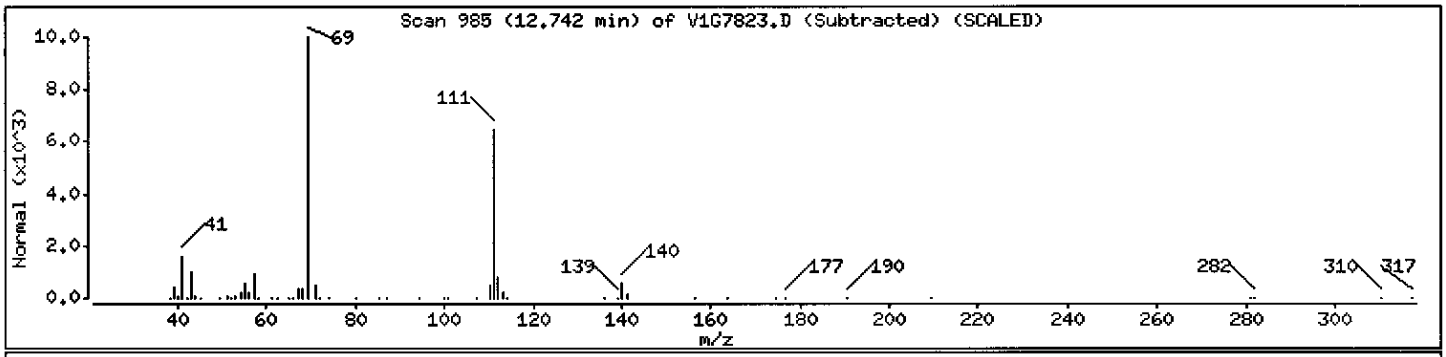
Client ID: B-840 Instrument: V1.i

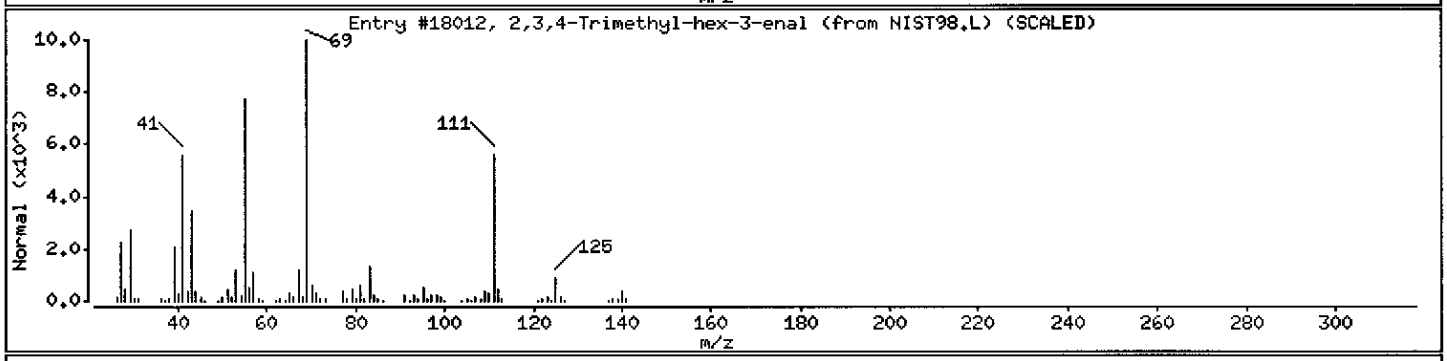
Sample Info: ,D0603-01A,,18283,

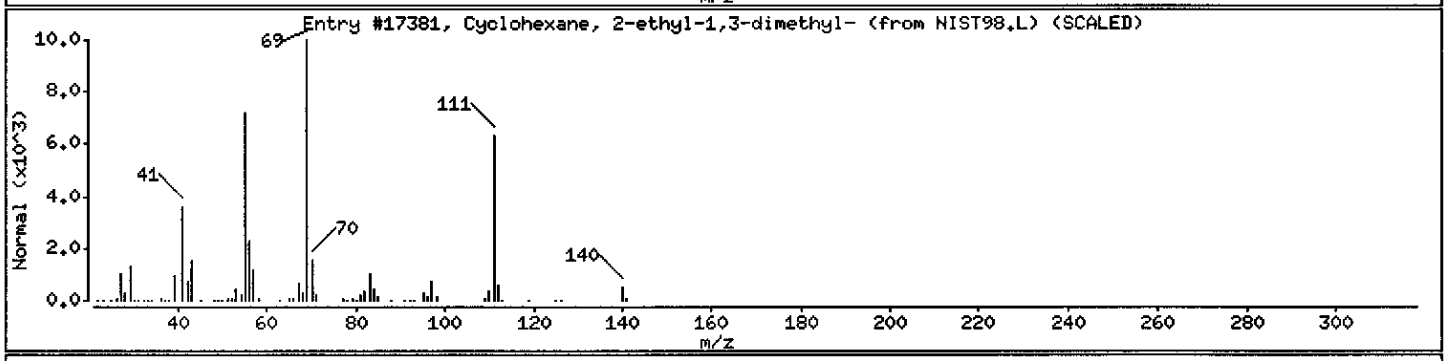
Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2,3,4-Trimethyl-hex-3-enal	1000193-72-9	NIST98.L	18012	78	C9H16O	140
Cyclohexane, 2-ethyl-1,3-dimethyl-	7045-67-2	NIST98.L	17381	78	C10H20	140







Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

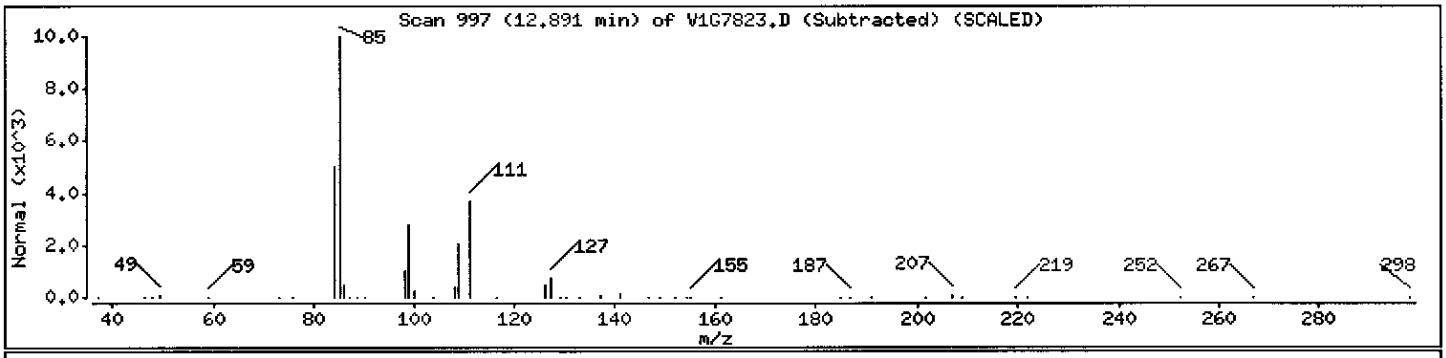
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 26-MAY-2005 18:47

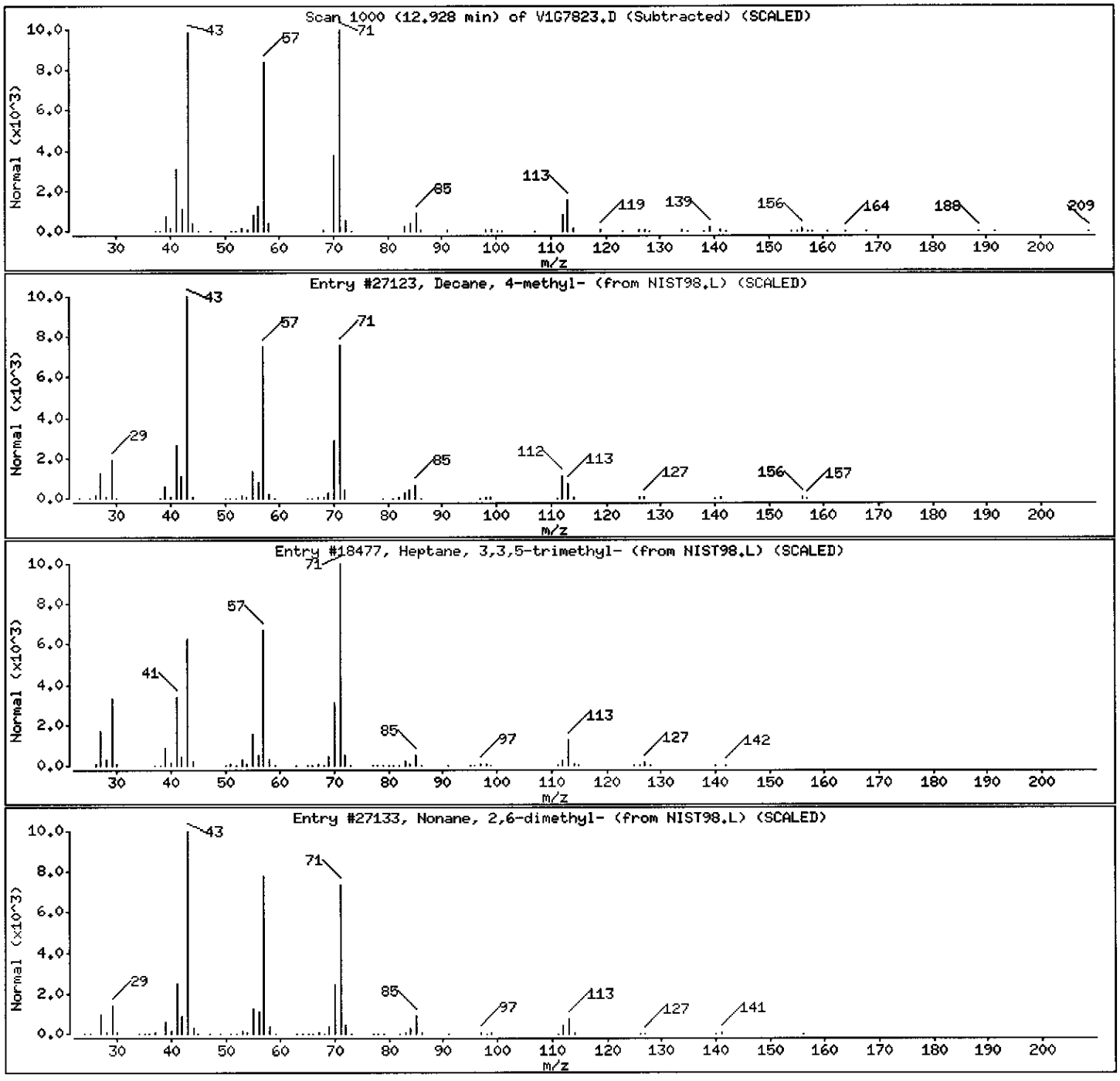
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Branched Alkane						
Decane, 4-methyl-	2847-72-5	NIST98.L	27123	90	C11H24	156
Heptane, 3,3,5-trimethyl-	7154-80-5	NIST98.L	18477	78	C10H22	142
Nonane, 2,6-dimethyl-	17302-28-2	NIST98.L	27133	78	C11H24	156



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Date : 26-MAY-2005 18:47

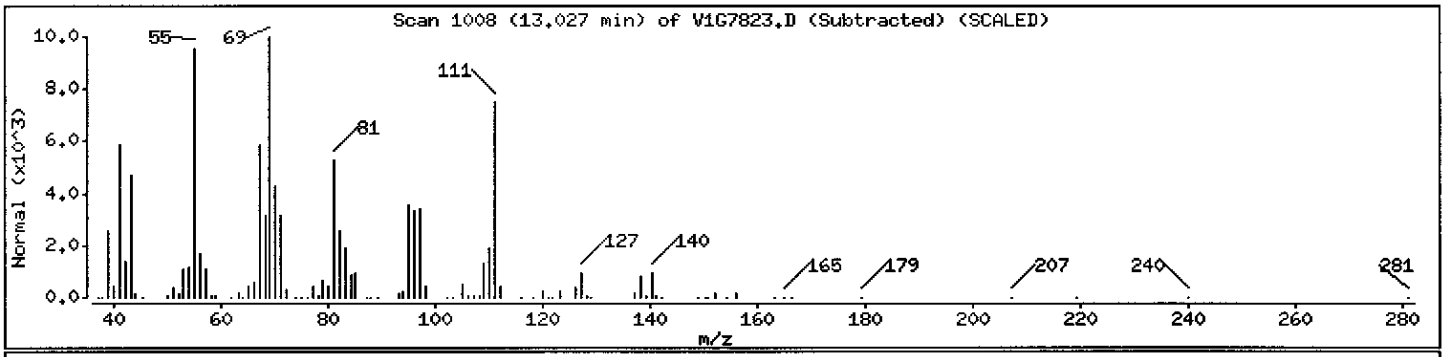
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

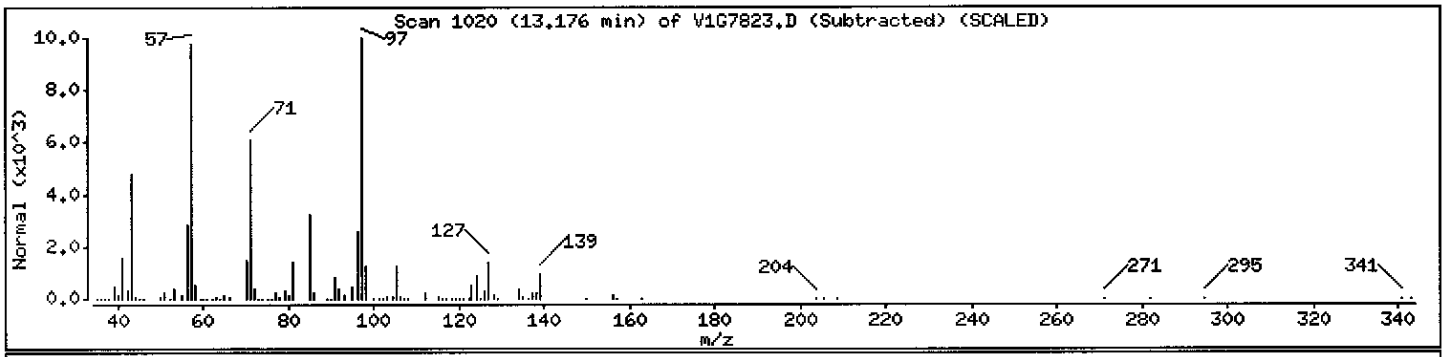
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 26-MAY-2005 18:47

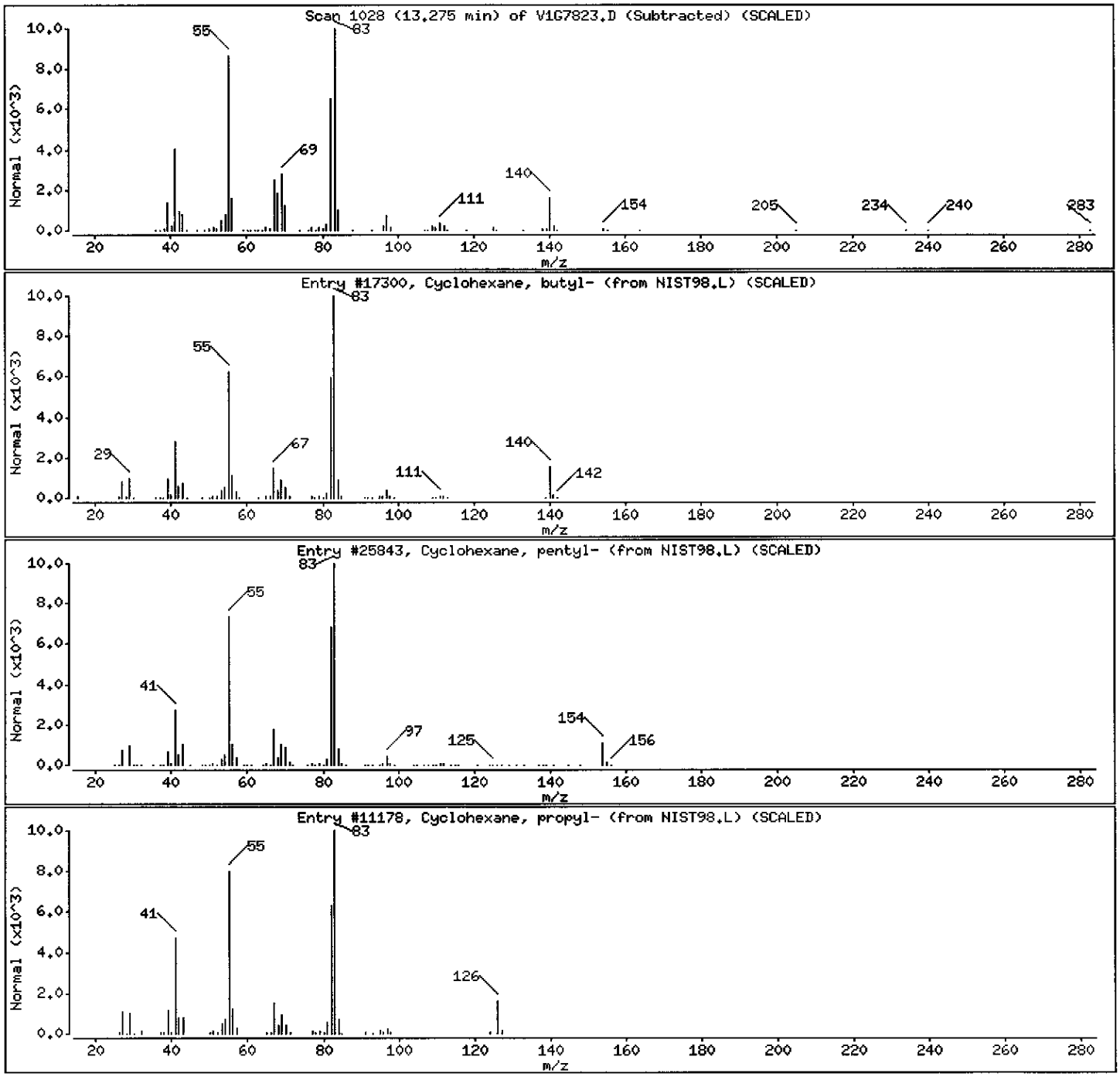
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclic Alkane						
Cyclohexane, butyl-	1678-93-9	NIST98.L	17300	87	C10H20	140
Cyclohexane, pentyl-	4292-92-6	NIST98.L	25843	72	C11H22	154
Cyclohexane, propyl-	1678-92-8	NIST98.L	11178	72	C9H18	126



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Date : 26-MAY-2005 18:47

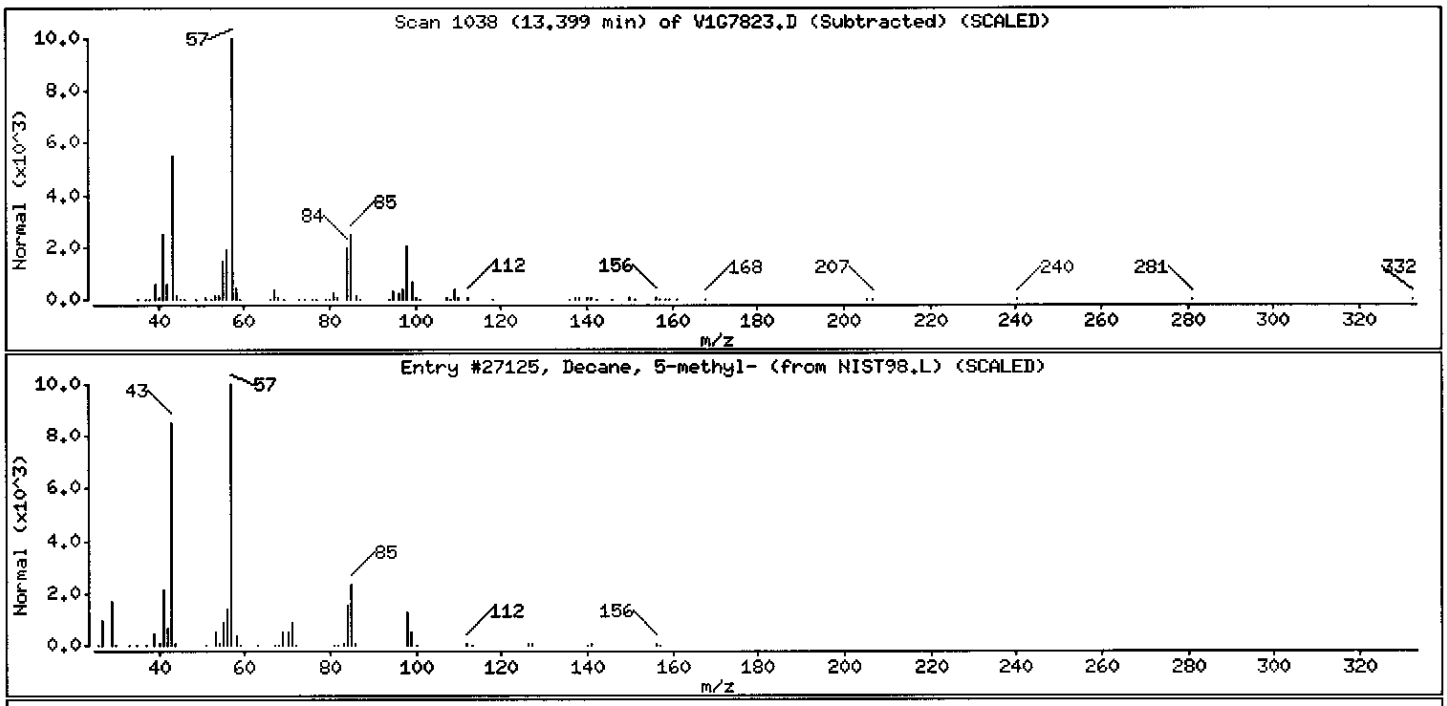
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Decane, 5-methyl-	13151-35-4	NIST98.L	27125	72	C11H24	156



Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

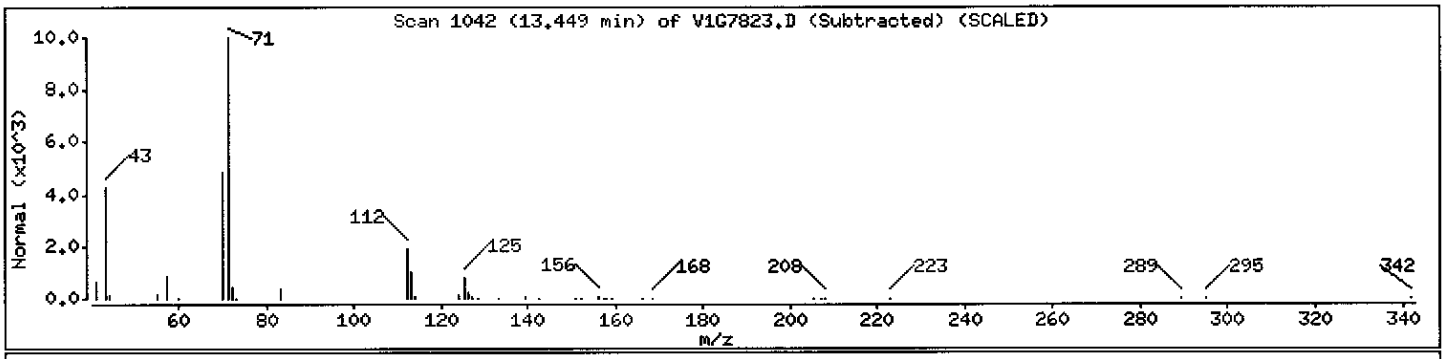
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

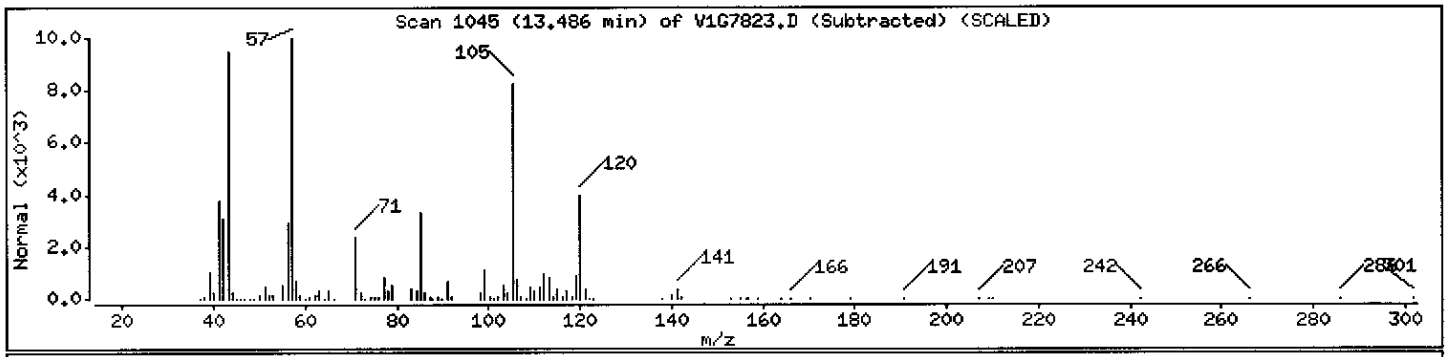
Client ID: B-840 Instrument: V1.i

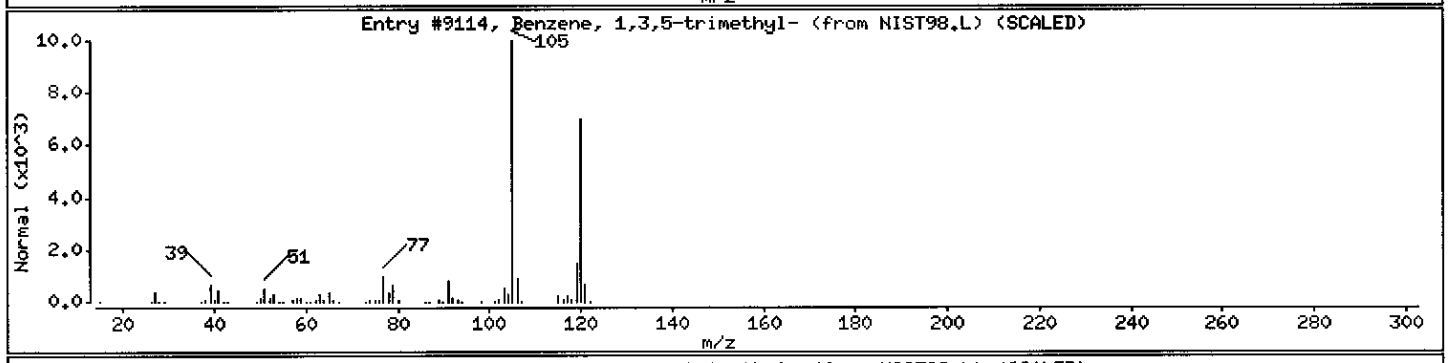
Sample Info: ,D0603-01A,,18283,

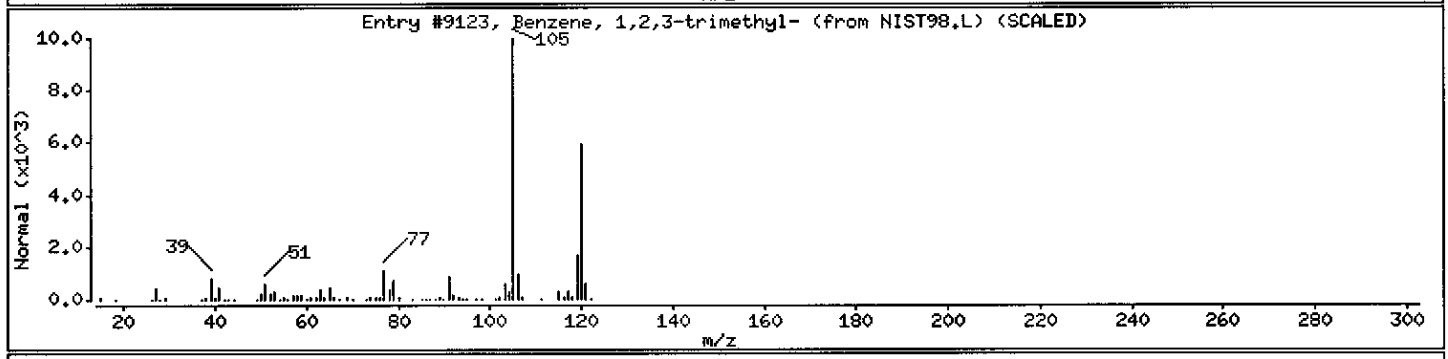
Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, 1,3,5-trimethyl-	108-67-8	NIST98.L	9114	74	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NIST98.L	9123	74	C9H12	120







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Date : 26-MAY-2005 18:47

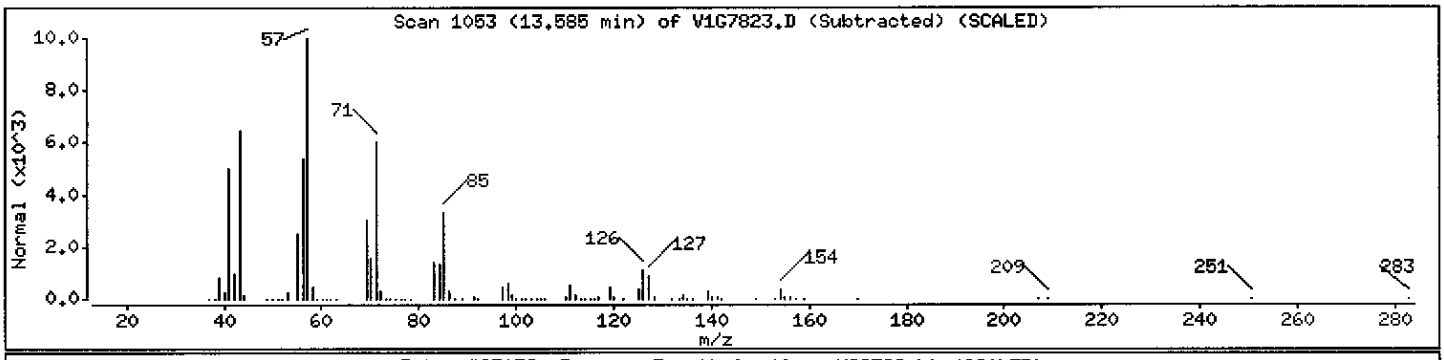
Client ID: B-840 Instrument: V1.i

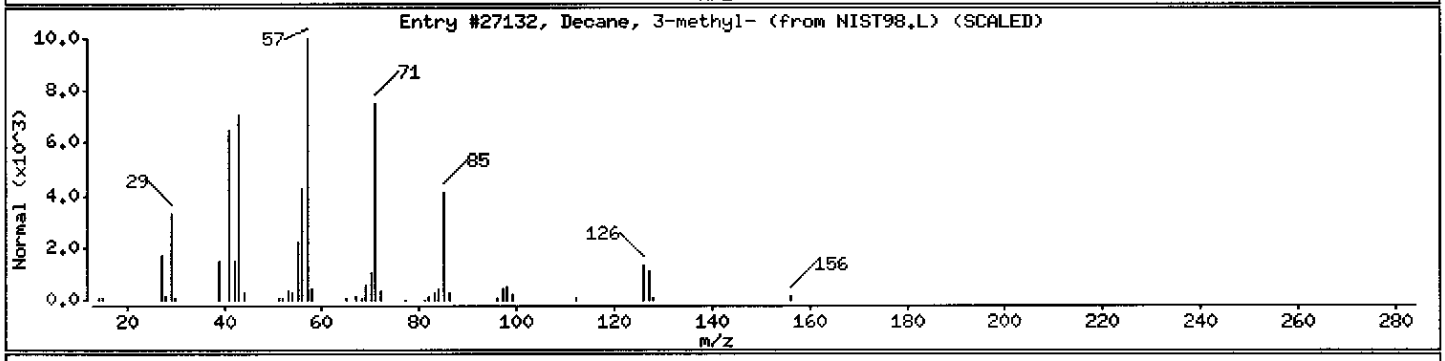
Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Decane, 3-methyl-	13151-34-3	NIST98.L	27132	70	C11H24	156





Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

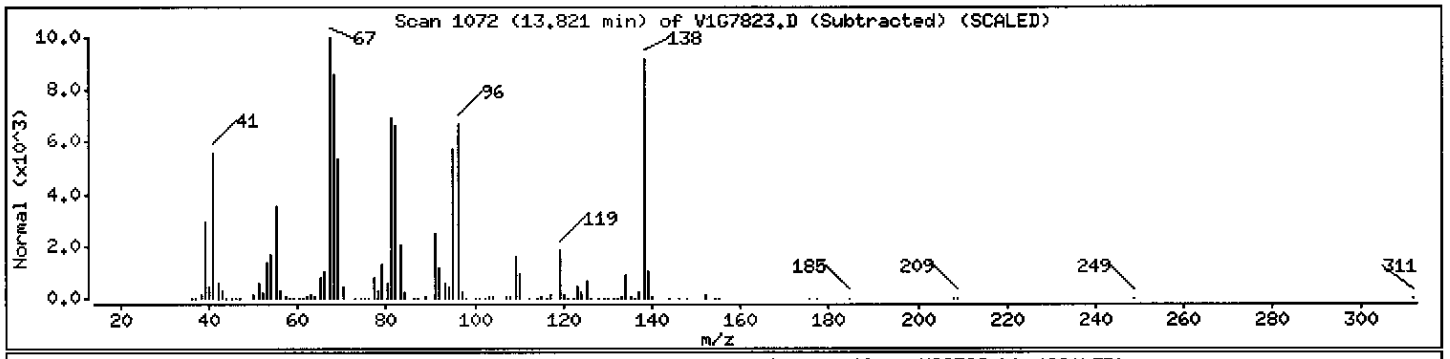
Client ID: B-840 Instrument: V1.i

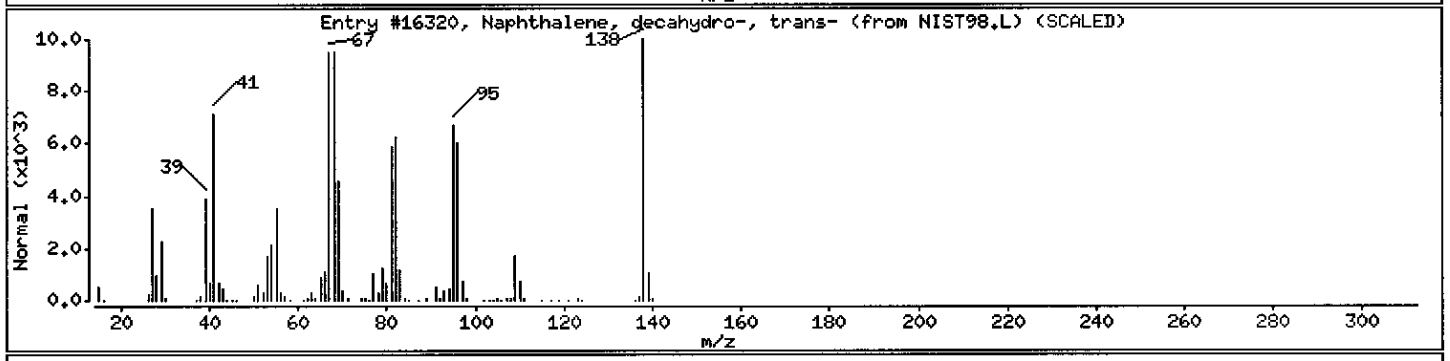
Sample Info: ,D0603-01A,,18283,

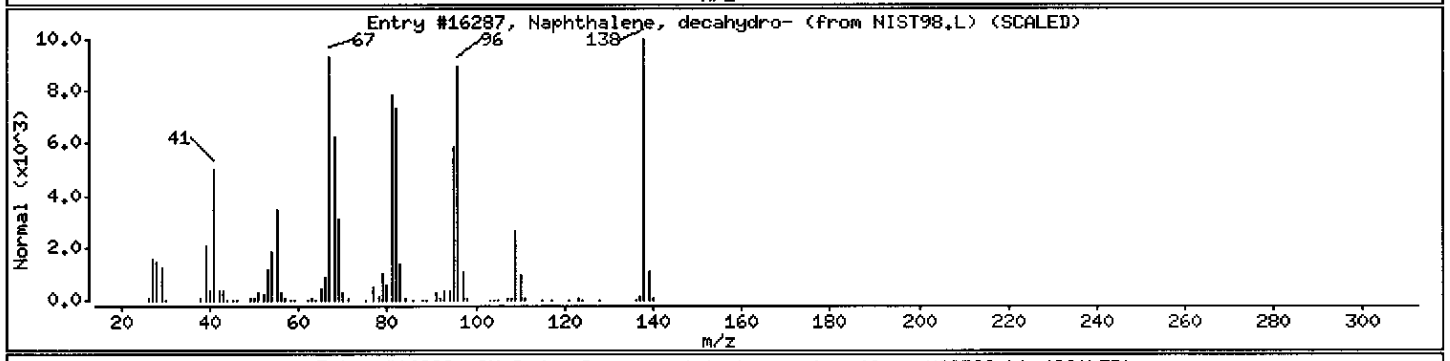
Operator: LG/YD

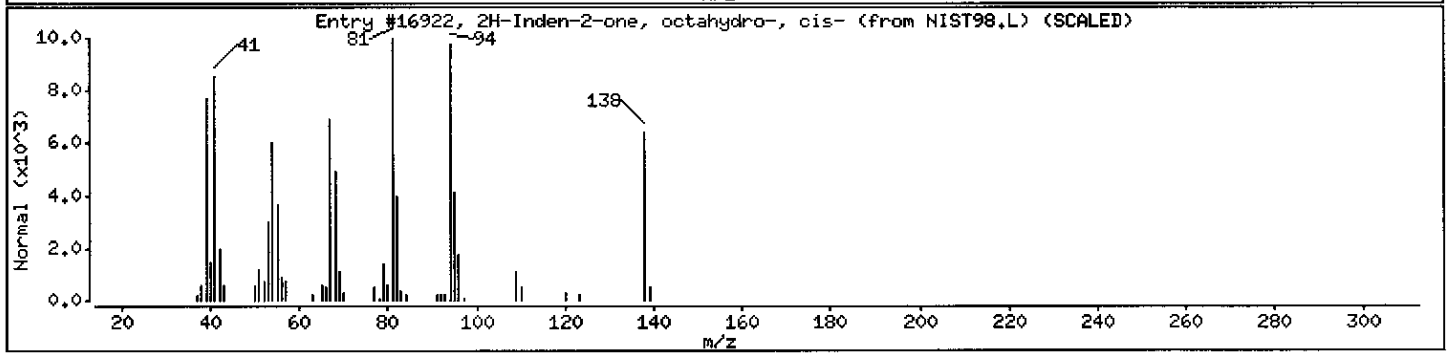
Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, decahydro-, trans-	493-02-7	NIST98.L	16320	95	C10H18	138
Naphthalene, decahydro-	91-17-8	NIST98.L	16287	94	C10H18	138
2H-Inden-2-one, octahydro-, cis-	5689-04-3	NIST98.L	16922	86	C9H140	138









Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

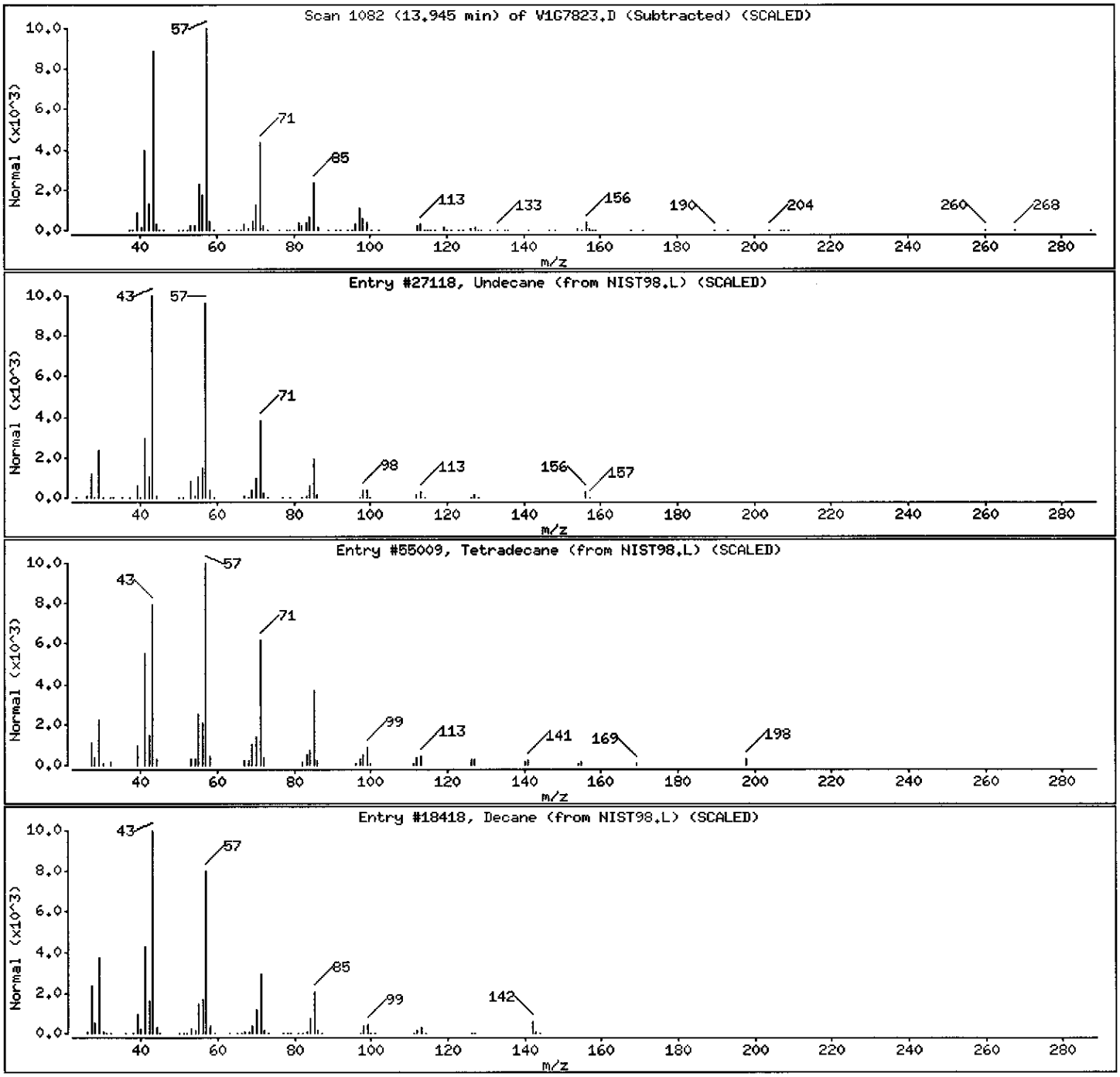
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Straight-chain Alkane						
Undecane	1120-21-4	NIST98.L	27118	95	C11H24	156
Tetradecane	629-59-4	NIST98.L	55009	72	C14H30	198
Decane	124-18-5	NIST98.L	18418	72	C10H22	142



Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

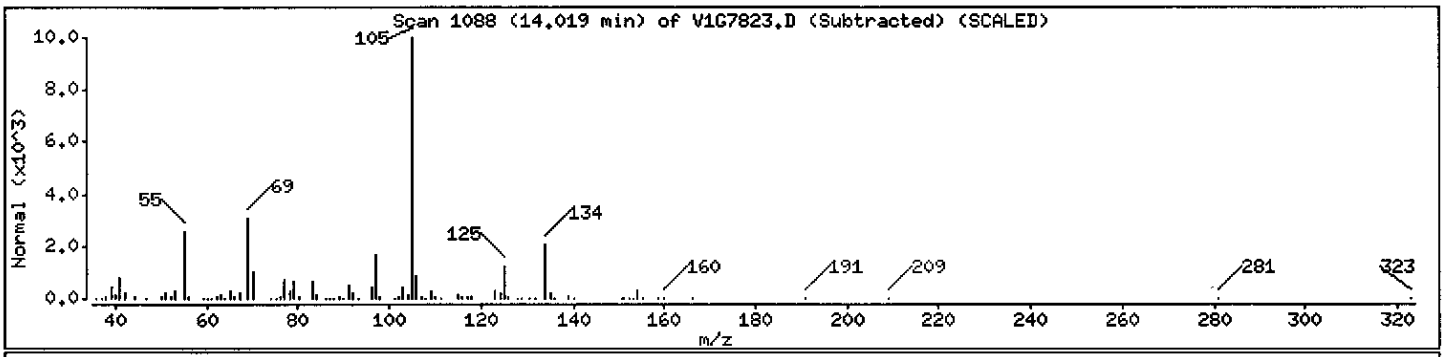
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7823.D

Date : 26-MAY-2005 18:47

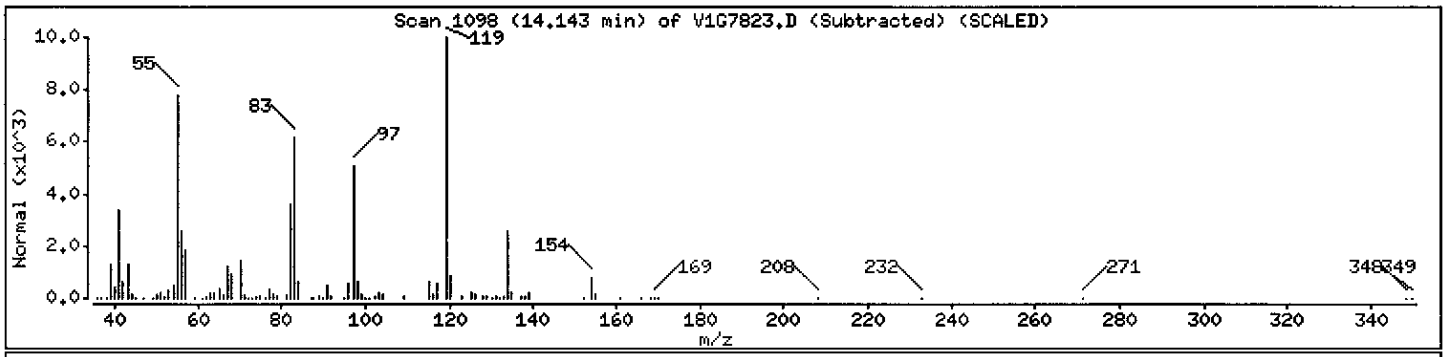
Client ID: B-840 Instrument: V1.i

Sample Info: ,D0603-01A,,18283,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-840DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-01ADL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6397

Level: (low/med) MED Date Received: 05/25/05

% Moisture: not dec. 32 Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	3700	U
74-87-3	Chloromethane	3700	U
75-01-4	Vinyl Chloride	3700	U
74-83-9	Bromomethane	3700	U
75-00-3	Chloroethane	3700	U
75-69-4	Trichlorofluoromethane	3700	U
75-35-4	1,1-Dichloroethene	3700	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3700	U
67-64-1	Acetone	3700	U
75-15-0	Carbon Disulfide	3700	U
79-20-9	Methyl Acetate	3700	U
75-09-2	Methylene Chloride	3700	U
156-60-5	trans-1,2-Dichloroethene	3700	U
1634-04-4	Methyl tert-Butyl Ether	3700	U
75-34-3	1,1-Dichloroethane	3700	U
156-59-2	cis-1,2-Dichloroethene	890	DJ
78-93-3	2-Butanone	3700	U
67-66-3	Chloroform	3700	U
71-55-6	1,1,1-Trichloroethane	3700	U
110-82-7	Cyclohexane	3700	U
56-23-5	Carbon Tetrachloride	3700	U
71-43-2	Benzene	3700	U
107-06-2	1,2-Dichloroethane	3700	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B-840DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-01ADL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6397

Level: (low/med) MED Date Received: 05/25/05

% Moisture: not dec. 32 Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	790	DJ
108-87-2	Methylcyclohexane	3700	U
78-87-5	1,2-Dichloropropane	3700	U
75-27-4	Bromodichloromethane	3700	U
10061-01-5	cis-1,3-Dichloropropene	3700	U
108-10-1	4-Methyl-2-Pentanone	3700	U
108-88-3	Toluene	3700	U
10061-02-6	trans-1,3-Dichloropropene	3700	U
79-00-5	1,1,2-Trichloroethane	3700	U
127-18-4	Tetrachloroethene	25000	D
591-78-6	2-Hexanone	3700	U
124-48-1	Dibromochloromethane	3700	U
106-93-4	1,2-Dibromoethane	3700	U
108-90-7	Chlorobenzene	3700	U
100-41-4	Ethylbenzene	3700	U
1330-20-7	Xylene (Total)	3700	U
100-42-5	Styrene	3700	U
75-25-2	Bromoform	3700	U
98-82-8	Isopropylbenzene	3700	U
79-34-5	1,1,2,2-Tetrachloroethane	3700	U
541-73-1	1,3-Dichlorobenzene	3700	U
106-46-7	1,4-Dichlorobenzene	3700	U
95-50-1	1,2-Dichlorobenzene	3700	U
96-12-8	1,2-Dibromo-3-chloropropane	3700	U
120-82-1	1,2,4-Trichlorobenzene	3700	U

1F

EPA SAMPLE NO.

B-840DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: D0603-01ADL

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6397

Level: (low/med) MED Date Received: 05/25/05

% Moisture: not dec. 32 Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

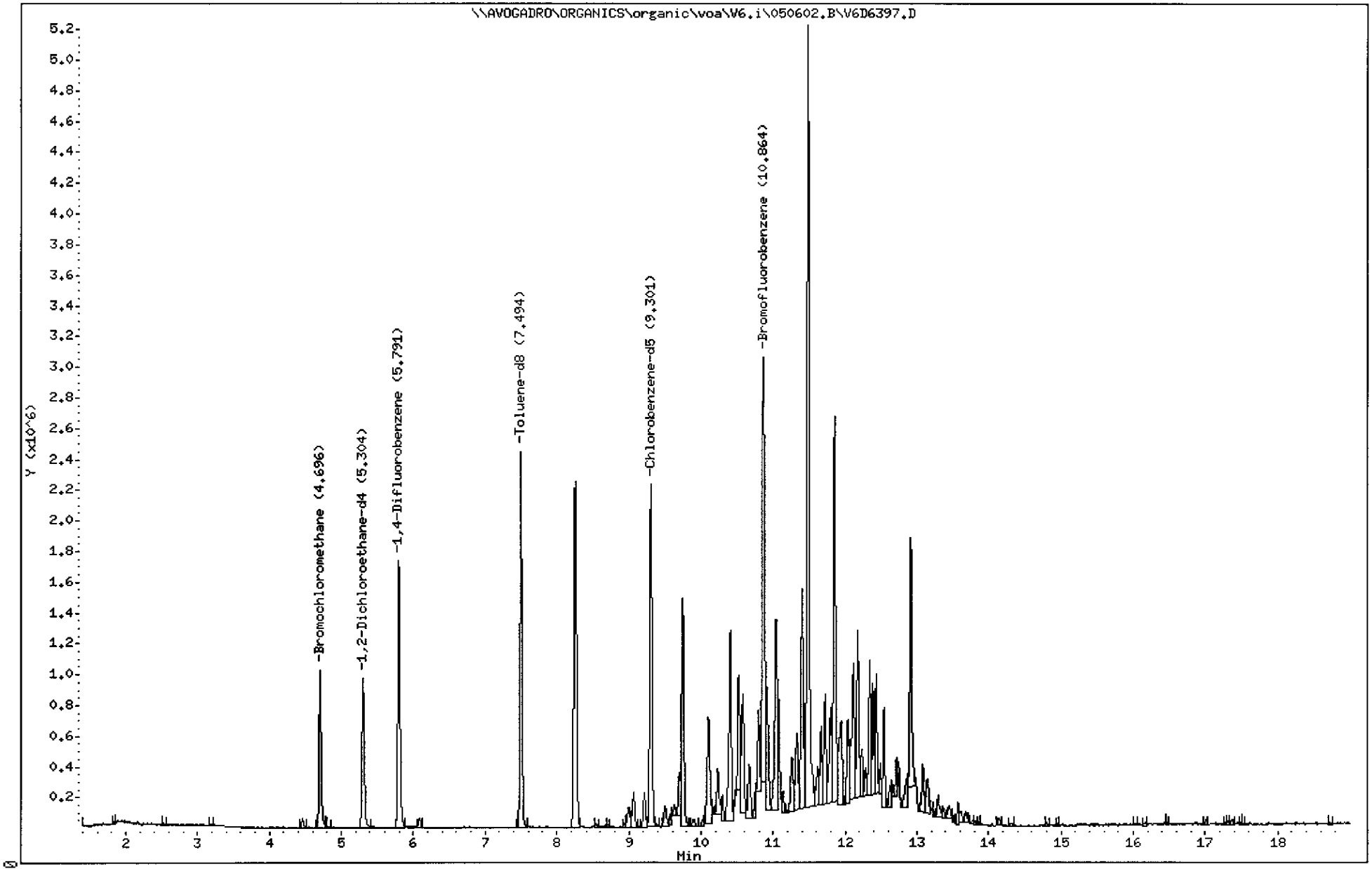
Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		STRAIGHT-CHAIN ALKANE	9.74	12000	JD
2.		UNKNOWN	10.10	7100	JD
3.		UNKNOWN	10.23	2700	JD
4.		BRANCHED ALKANE	10.41	11000	JD
5.		UNKNOWN	10.52	6500	JD
6.		BRANCHED ALKANE	10.58	7200	JD
7.		UNKNOWN	10.66	3100	JD
8.		UNKNOWN	10.79	3700	JD
9.		UNKNOWN	10.91	7000	JD
10.		UNKNOWN	11.05	12000	JD
11.		UNKNOWN	11.27	3500	JD
12.		UNKNOWN	11.33	4900	JD
13.		UNKNOWN	11.41	12000	JD
14.		STRAIGHT-CHAIN ALKANE	11.48	43000	JD
15.		UNKNOWN	11.62	2700	JD
16.		UNKNOWN	11.66	4400	JD
17.		UNKNOWN	11.72	6400	JD
18.		UNKNOWN	11.80	5900	JD
19.		BRANCHED ALKANE	11.85	20000	JD
20.		UNKNOWN	11.95	7200	JD
21.		UNKNOWN	12.04	4300	JD
22.		UNKNOWN	12.11	10000	JD
23.		CYCLIC ALKANE	12.18	8600	JD
24.		UNKNOWN	12.23	2700	JD
25.		UNKNOWN	12.34	6500	JD
26.		UNKNOWN	12.39	5400	JD
27.		UNKNOWN	12.43	5300	JD
28.		BRANCHED ALKANE	12.54	4500	JD
29.		STRAIGHT-CHAIN ALKANE	12.91	12000	JD
30.		UNKNOWN	13.08	2900	JD

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D
Date : 02-JUN-2005 13:28
Client ID: B-840DL
Instrument: V6.i
Sample Info: ,D0603-01ADL,18359,2X
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0010

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D
Report Date: 18-Jun-2005 11:11

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D
Lab Smp Id: D0603-01ADL Client Smp ID: B-840DL
Inj Date : 02-JUN-2005 13:28
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0603-01ADL,18359,2X
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 18-Jun-2005 11:11 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 2
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

Concentration Formula:
Amt * DF * Uf * ((Vt+ Ws*M/100) * 5)/(Va * Ws * ((100-M)/100))

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	4.000	Weight of sample extracted (g)
M	32.000	% Moisture (not decanted)
Vt	10000.000	Methanol extract volume (uL)
Va	100.000	Aliquot of methanol (uL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	17 cis-1,2-Dichloroethene	96	4.452	4.457	(0.948)	22704	2.43072	890(a)
*	18 Bromochloromethane	128	4.696	4.695	(1.000)	330812	50.0000	
$	23 1,2-Dichloroethane-d4	65	5.304	5.303	(1.130)	881582	48.0518	8800
*	26 1,4-Difluorobenzene	114	5.791	5.796	(1.000)	1472898	50.0000	
	27 Trichloroethene	130	6.083	6.088	(1.050)	22964	2.14953	790(a)
$	33 Toluene-d8	98	7.494	7.493	(0.805)	1832372	44.3083	8100
	37 Tetrachloroethene	164	8.254	8.253	(0.887)	656519	68.4585	25000
*	42 Chlorobenzene-d5	117	9.307	9.306	(1.000)	1596348	50.0000	
$	50 Bromofluorobenzene	95	10.858	10.857	(1.167)	903384	53.2454	9800

AN
6/18/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D
Report Date: 18-Jun-2005 11:11

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D
Report Date: 18-Jun-2005 11:11

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D
Lab Smp Id: D0603-01ADL Client Smp ID: B-840DL
Inj Date : 02-JUN-2005 13:28
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0603-01ADL,18359,2X
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 18-Jun-2005 11:11 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 2
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

Concentration Formula:
Amt * DF * Uf * ((Vt+ Ws*M/100) * 5)/(Va * Ws * ((100-M)/100))

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	4.000	Weight of sample extracted (g)
M	32.000	% Moisture (not decanted)
Vt	10000.000	Methanol extract volume (uL)
Va	100.000	Aliquot of methanol (uL)

ISTD	RT	AREA	AMOUNT
* 42 Chlorobenzene-d5	9.307	4775916	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Straight-chain Alkane				CAS #:			
9.745	3223624	33.7487510	12000	0		0	42
Unknown				CAS #:			
10.104	1849650	19.3643481	7100	0		0	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D
Report Date: 18-Jun-2005 11:11

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.232	707871	7.41084014	2700	0		0	42
Branched Alkane				CAS #:			
10.408	2877163	30.1215830	11000	0		0	42
Unknown				CAS #:			
10.524	1675766	17.5439225	6500	0		0	42
Branched Alkane				CAS #:			
10.584	1881168	19.6943162	7200	0		0	42
Unknown				CAS #:			
10.663	801953	8.39580303	3100	0		0	42
Unknown				CAS #:			
10.791	950883	9.95498036	3700	0		0	42
Unknown				CAS #:			
10.913	1811943	18.9695861	7000	0		0	42
Unknown				CAS #:			
11.047	3095073	32.4029254	12000	0		0	42
Unknown				CAS #:			
11.266	909091	9.51745173	3500	0		0	42
Unknown				CAS #:			
11.333	1285809	13.4613863	4900	0		0	42
Unknown				CAS #:			
11.406	3233705	33.8542910	12000	0		0	42
Straight-chain Alkane				CAS #:			
11.485	11116552	116.381360	43000	0		0	42
Unknown				CAS #:			
11.619	696003	7.28659172	2700	0		0	42
Unknown				CAS #:			
11.661	1134814	11.8805900	4400	0		0	42
Unknown				CAS #:			
11.722	1665977	17.4414395	6400	0		0	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D
Report Date: 18-Jun-2005 11:11

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
11.801	1543159	16.1556338	5900	0		0	42
Branched Alkane				CAS #:			
11.850	5294015	55.4240799	20000	0		0	42
Unknown				CAS #:			
11.947	1871715	19.5953509	7200	0		0	42
Unknown				CAS #:			
12.038	1122652	11.7532637	4300	0		0	42
Unknown				CAS #:			
12.111	2598064	27.1996409	10000	0		0	42
Cyclic Alkane				CAS #:			
12.178	2225479	23.2989755	8600	0		0	42
Unknown				CAS #:			
12.233	696200	7.28865416	2700	0		0	42
Unknown				CAS #:			
12.342	1692571	17.7198573	6500	0		0	42
Unknown				CAS #:			
12.391	1410027	14.7618488	5400	0		0	42
Unknown				CAS #:			
12.434	1386350	14.5139697	5300	0		0	42
Branched Alkane				CAS #:			
12.543	1160131	12.1456387	4500	0		0	42
Straight-chain Alkane				CAS #:			
12.914	3014005	31.5542087	12000	0		0	42
Unknown				CAS #:			
13.085	756352	7.91839722	2900	0		0	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D

Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

Sample Info: ,D0603-01ADL,18359,2X

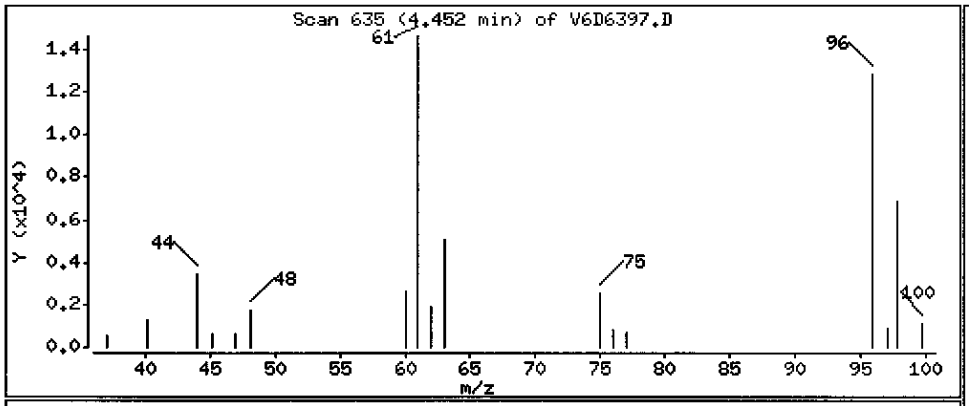
Operator: SB SRC: SB

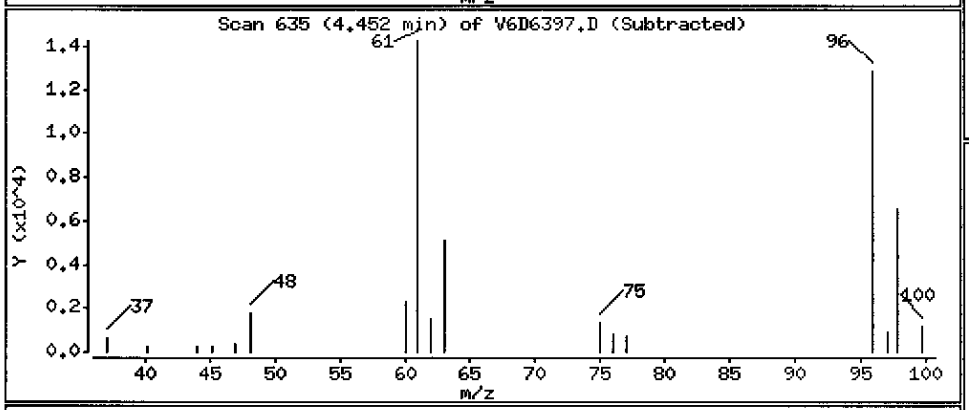
Column phase: DB-624

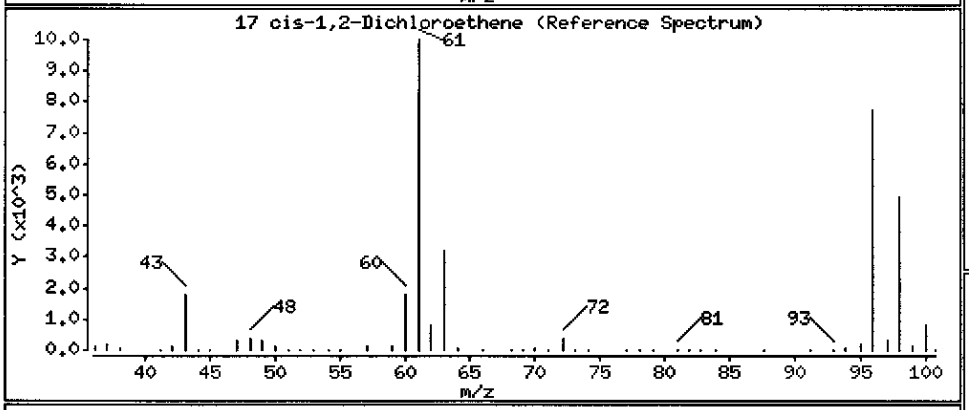
Column diameter: 0.25

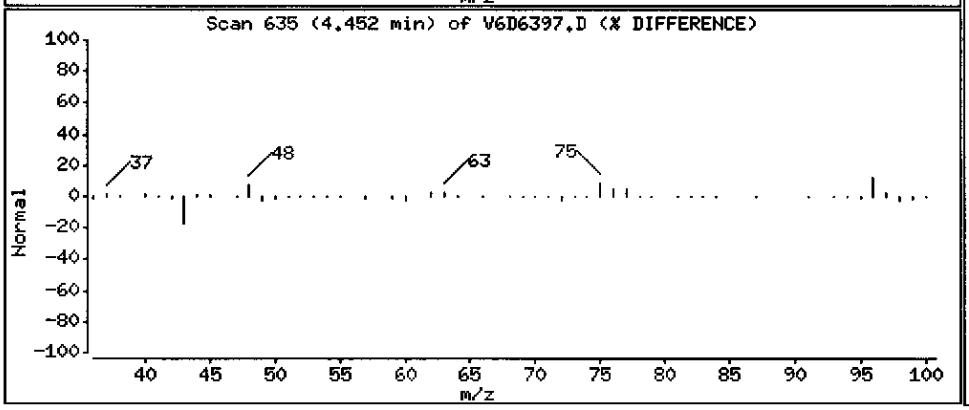
17 cis-1,2-Dichloroethene

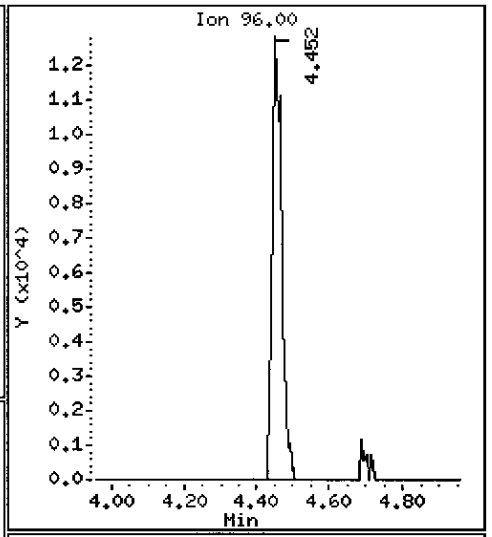
Concentration: 890 ug/Kg

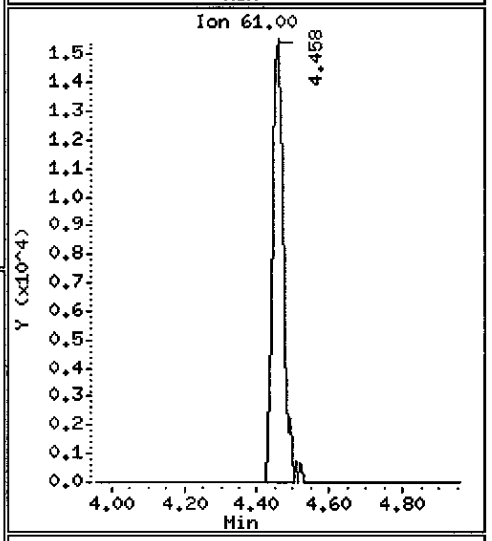


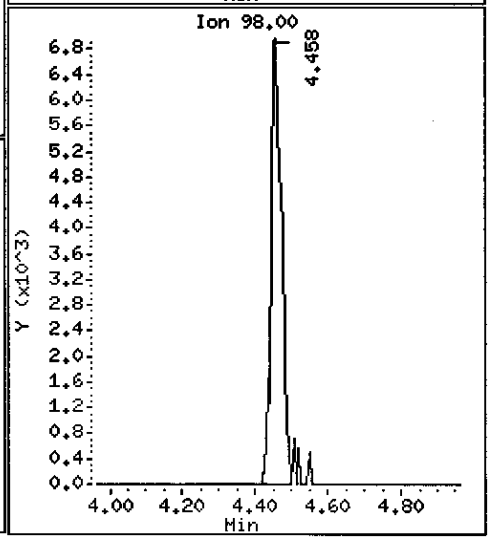












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D

Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

Sample Info: ,D0603-01ADL,18359,2X

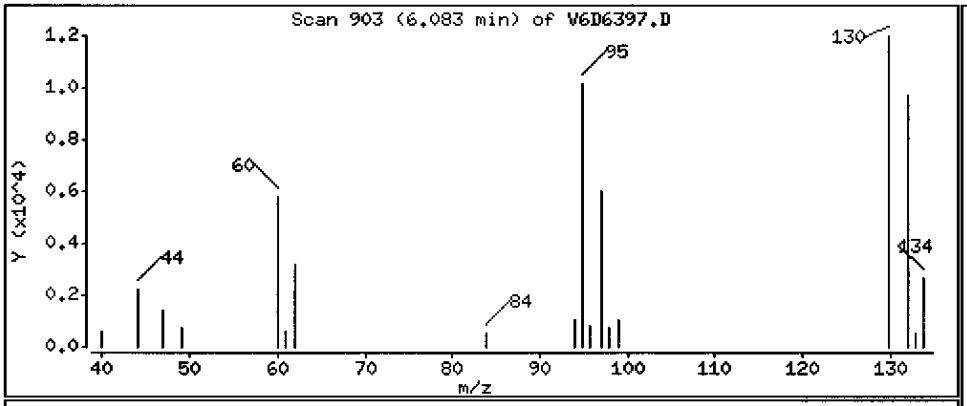
Operator: SB SRC: SB

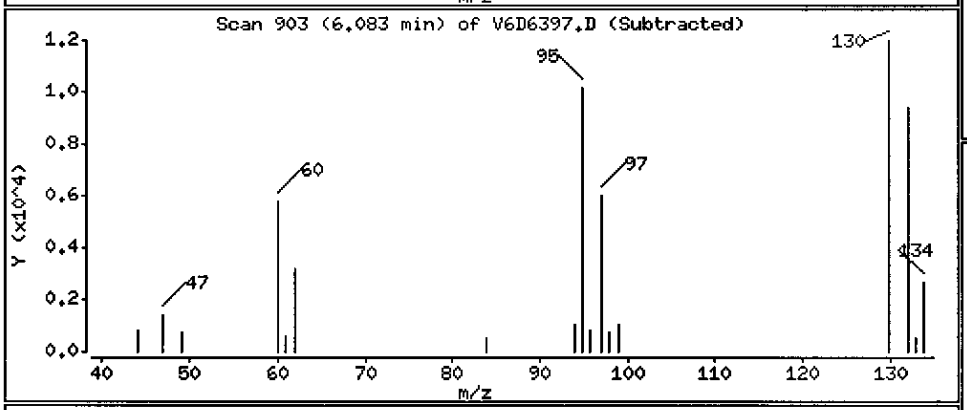
Column phase: DB-624

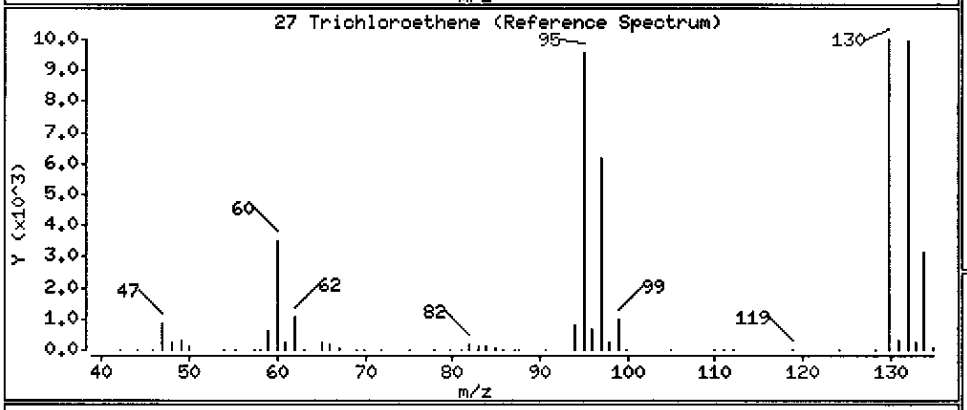
Column diameter: 0.25

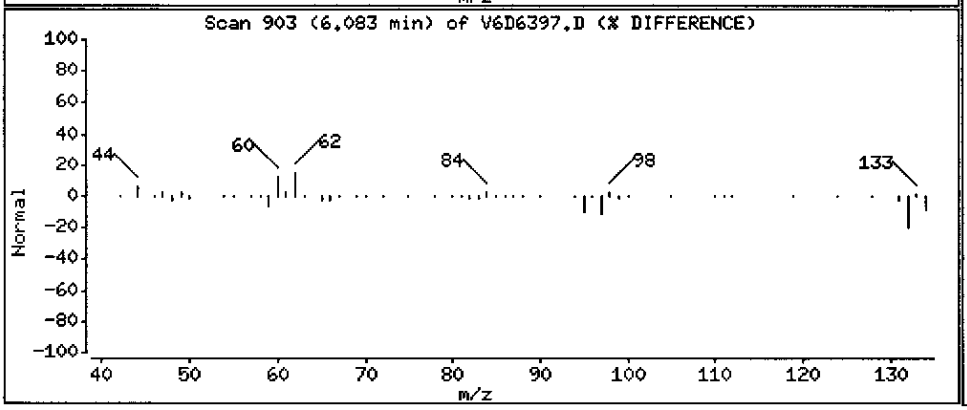
27 Trichloroethene

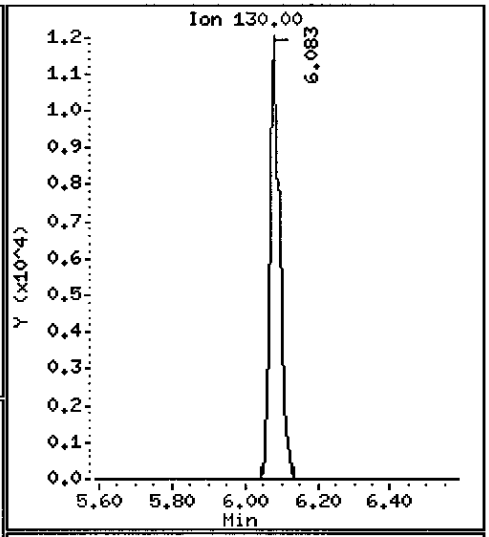
Concentration: 790 ug/Kg

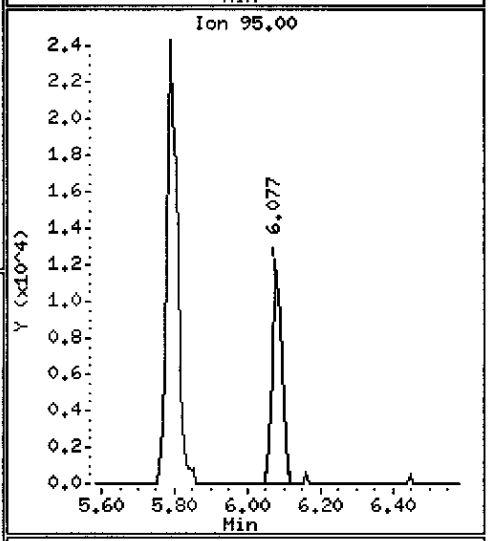


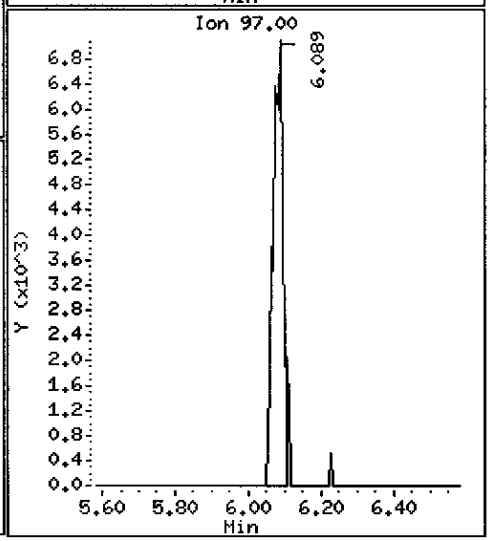












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D

Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

Sample Info: ,D0603-01ADL,18359,2X

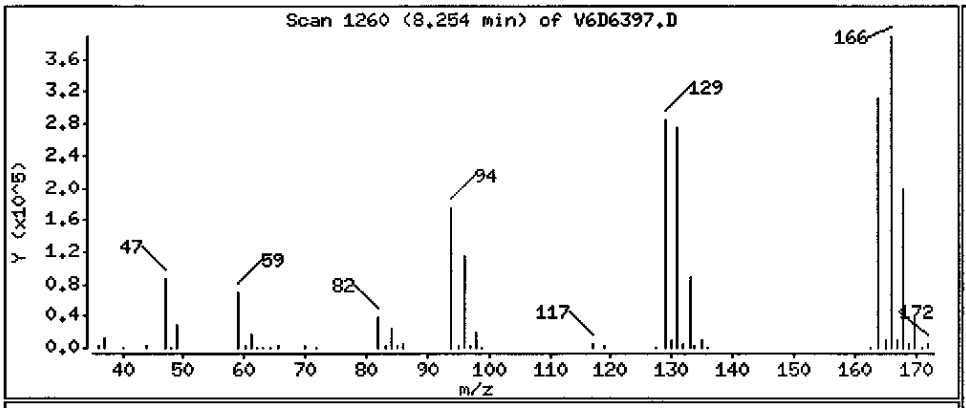
Operator: SB SRC: SB

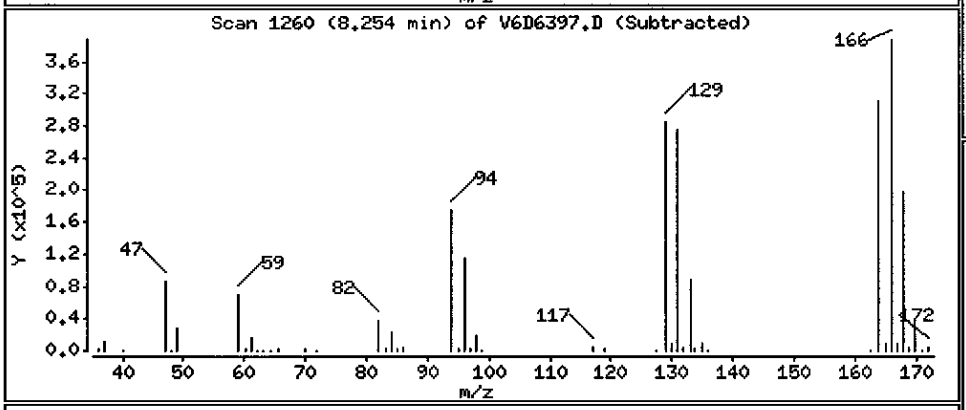
Column phase: DB-624

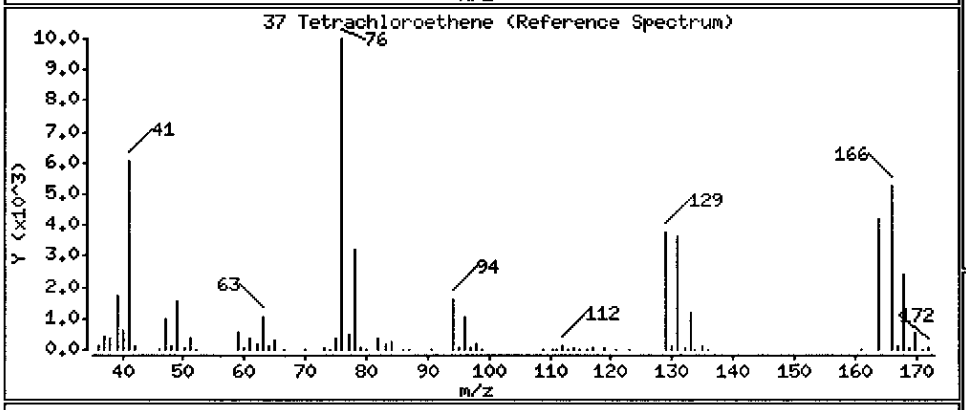
Column diameter: 0.25

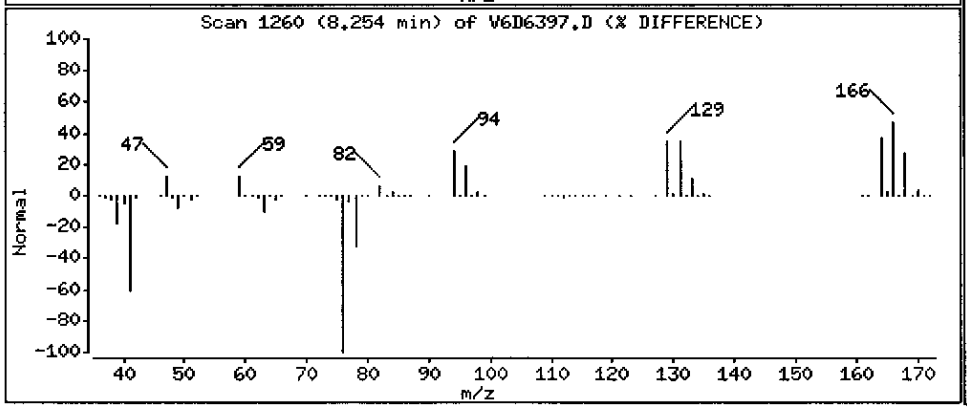
37 Tetrachloroethene

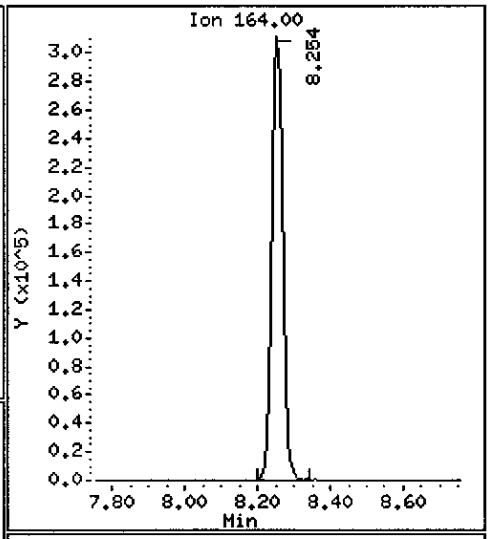
Concentration: 25000 ug/Kg

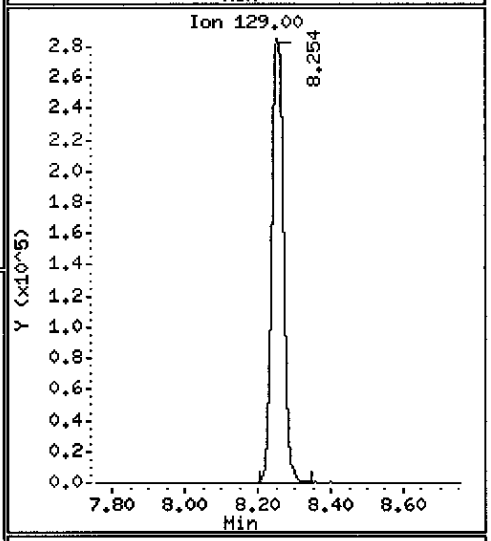


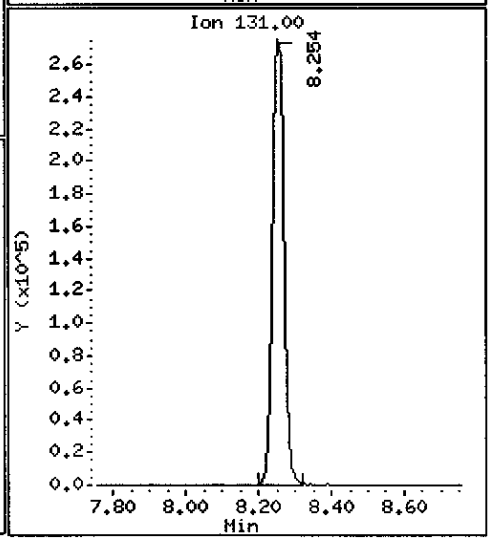












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D

Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

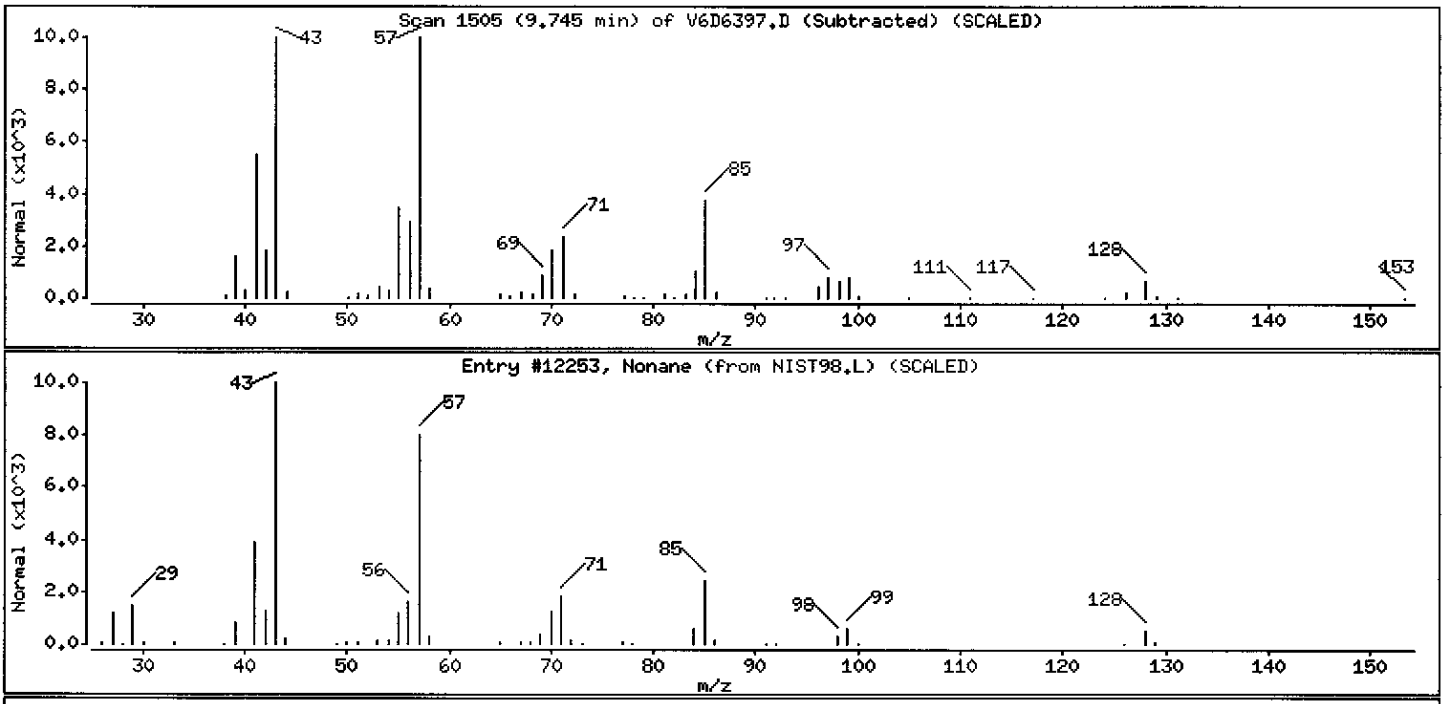
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Straight-chain Alkane						
Nonane	111-84-2	NIST98.L	12253	90	C9H20	128



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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

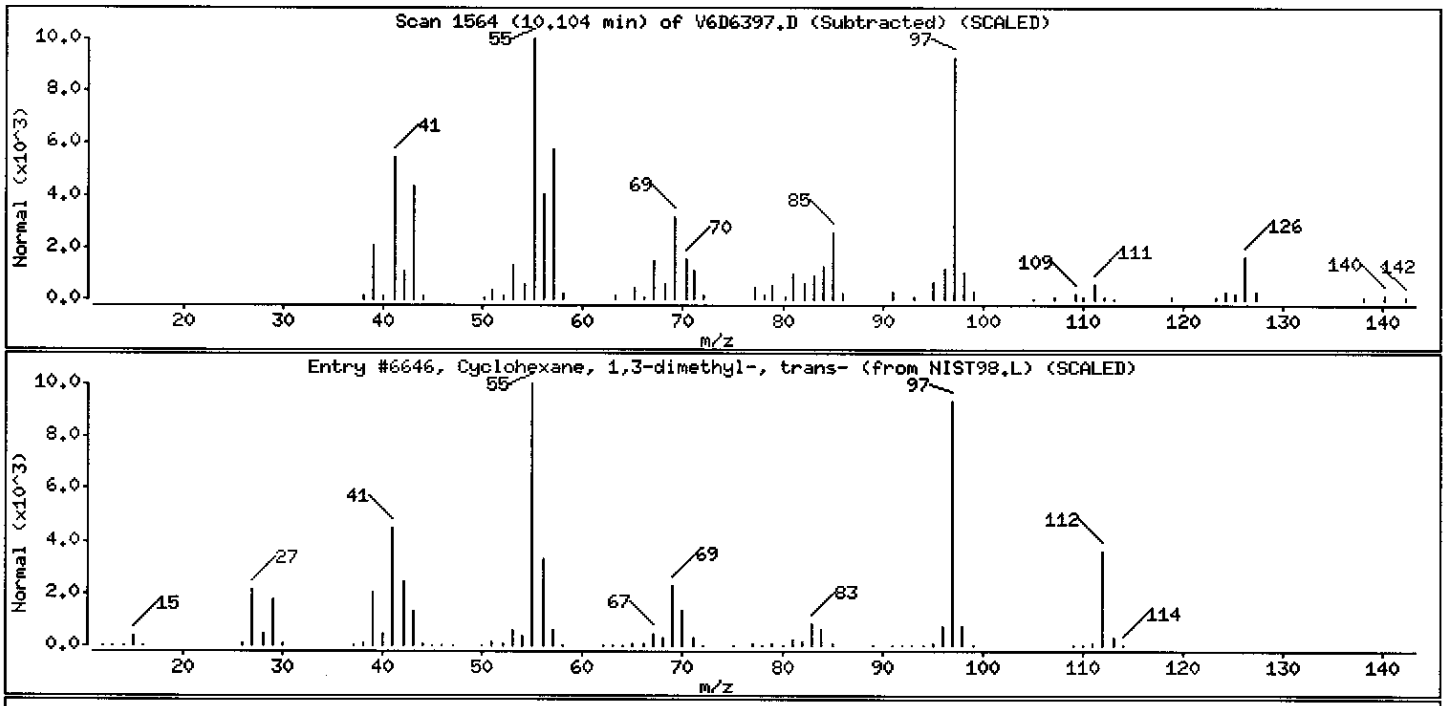
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, 1,3-dimethyl-, trans-	2207-03-6	NIST98.L	6646	72	C8H16	112



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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

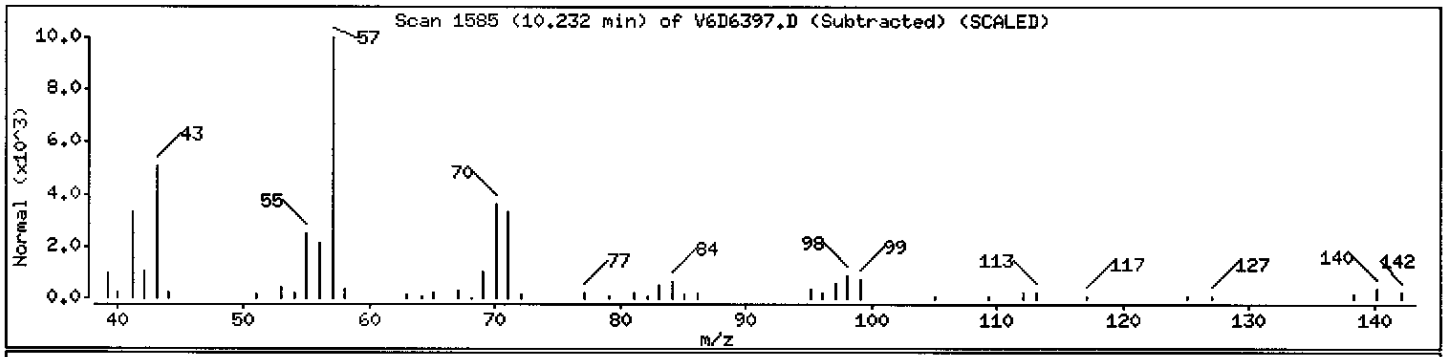
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 02-JUN-2005 13:28

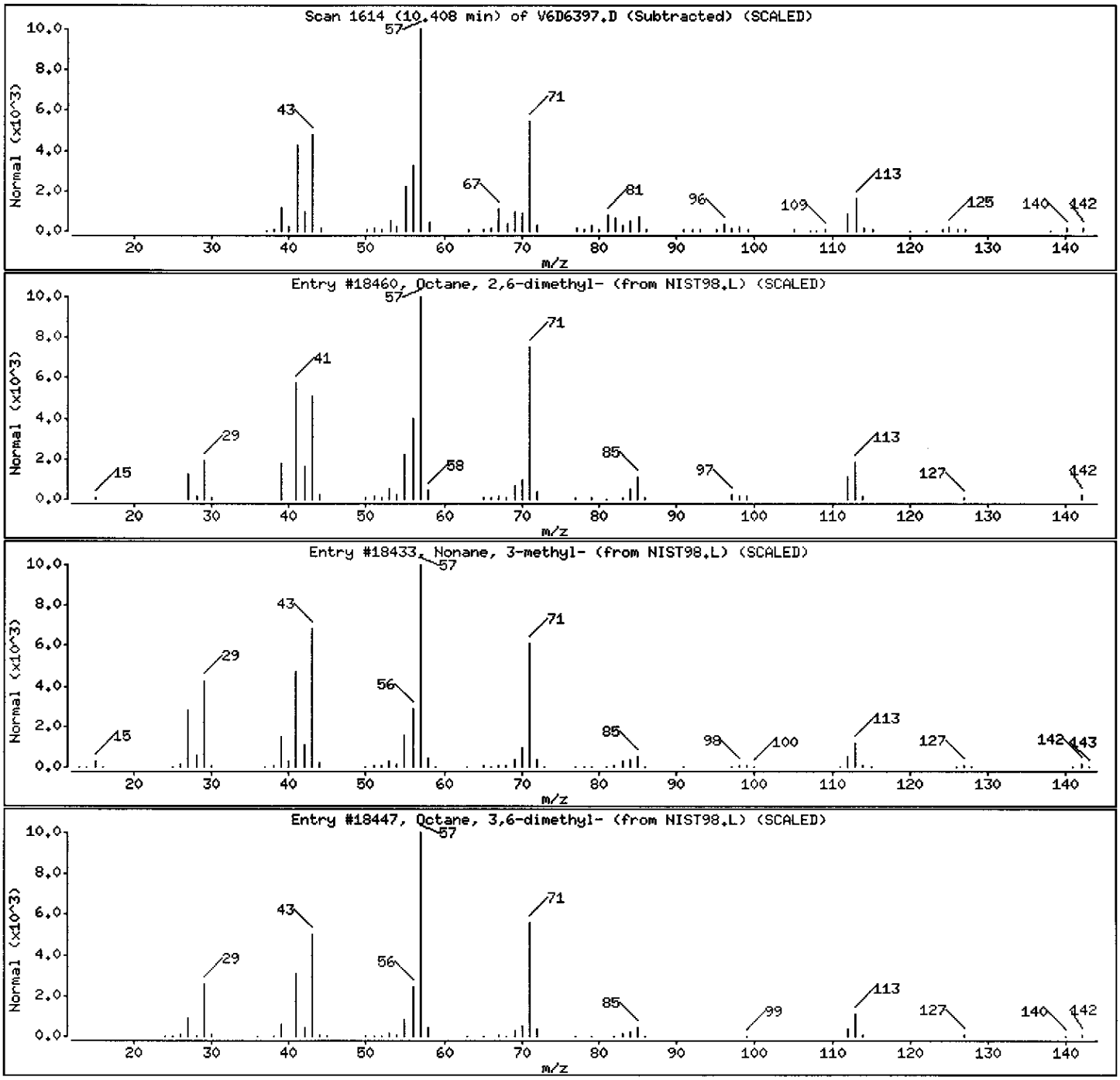
Client ID: B-840DL Instrument: V6.i

Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Branched Alkane						
Octane, 2,6-dimethyl-	2051-30-1	NIST98.L	18460	93	C10H22	142
Nonane, 3-methyl-	5911-04-6	NIST98.L	18433	90	C10H22	142
Octane, 3,6-dimethyl-	15869-94-0	NIST98.L	18447	72	C10H22	142



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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

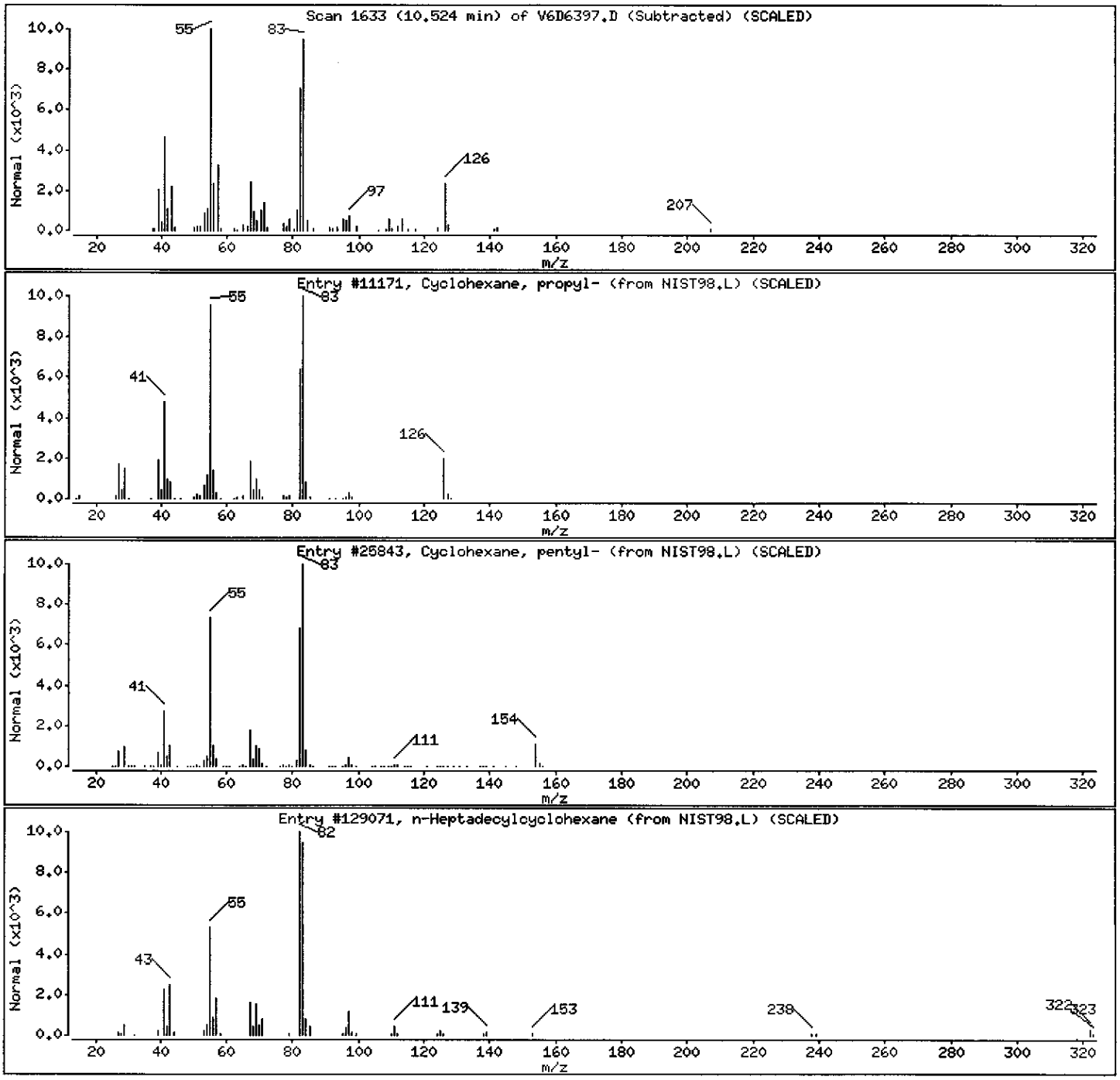
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, propyl-	1678-92-8	NIST98.L	11171	83	C9H18	126
Cyclohexane, pentyl-	4292-92-6	NIST98.L	25843	64	C11H22	154
n-Heptadecylcyclohexane	19781-73-8	NIST98.L	129071	64	C23H46	322



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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

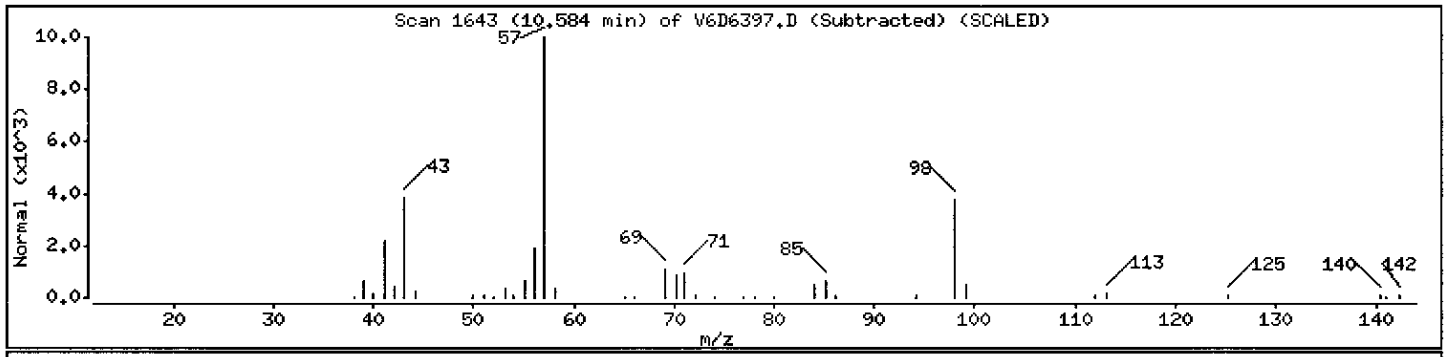
Sample Info: ,D0603-01ADL,18359,2X

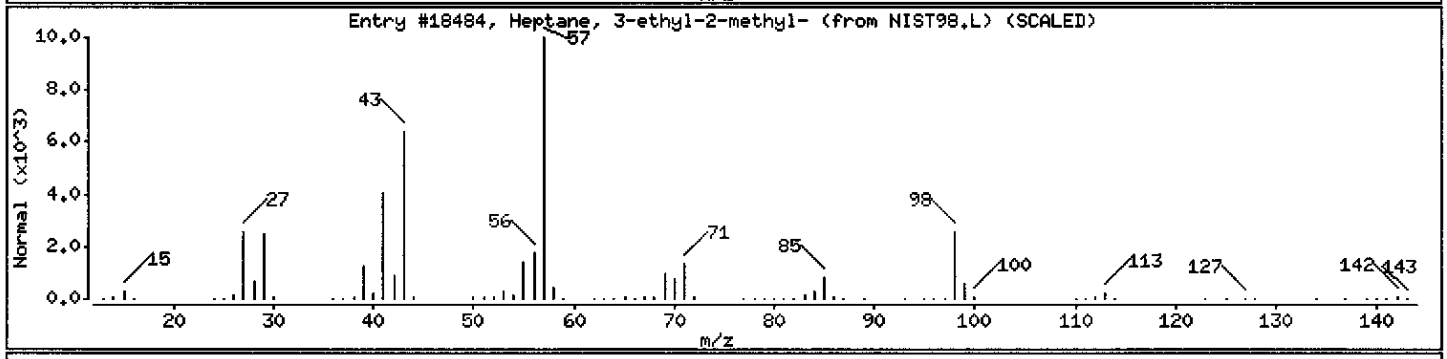
Operator: SB SRC: SB

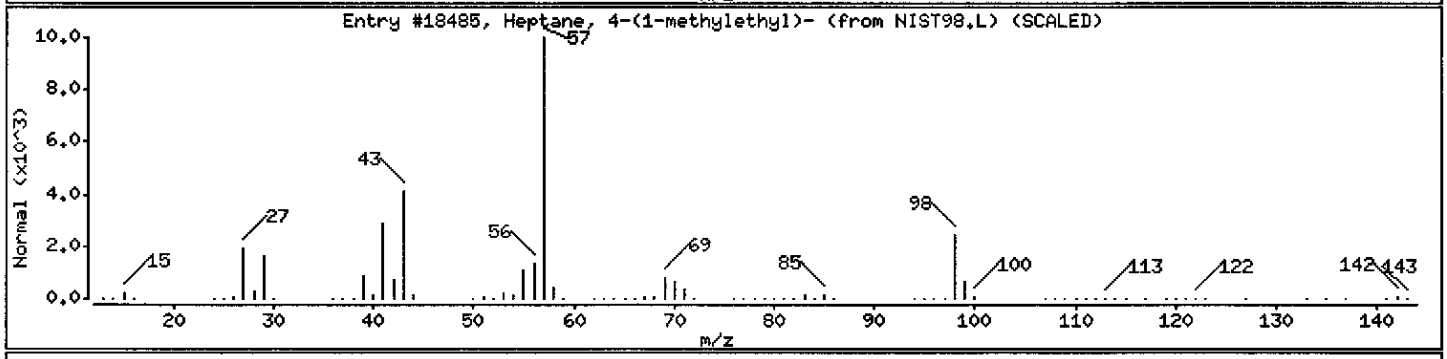
Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Branched Alkane						
Heptane, 3-ethyl-2-methyl-	14676-29-0	NIST98.L	18484	86	C10H22	142
Heptane, 4-(1-methylethyl)-	52896-87-4	NIST98.L	18485	72	C10H22	142







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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

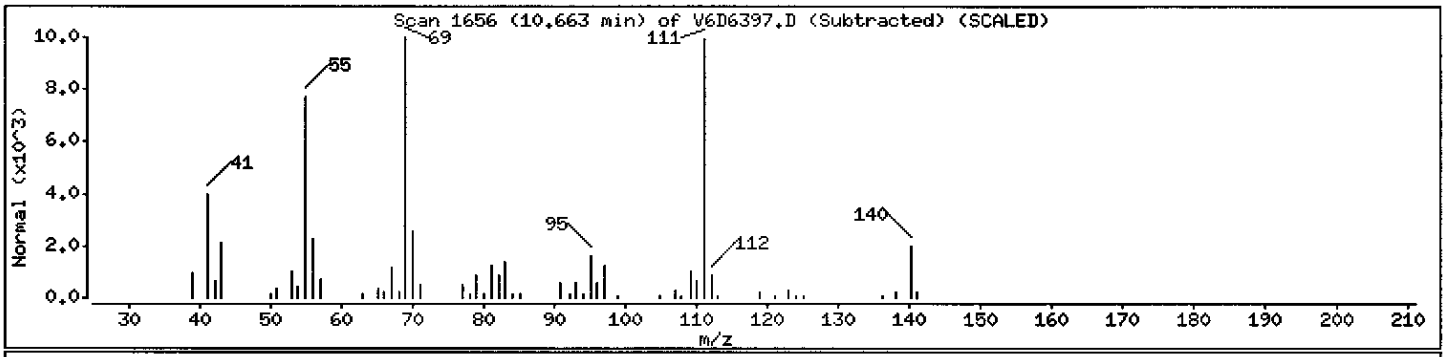
Sample Info: ,D0603-01ADL,18359,2X

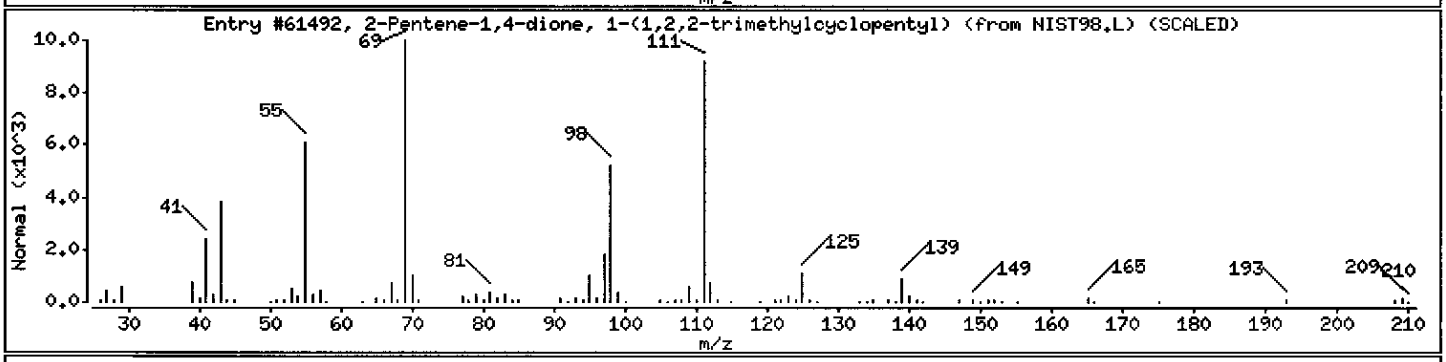
Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Pentene-1,4-dione, 1-(1,2,2-trimethylc	1000196-77-9	NIST98.L	61492	64	C13H20O2	208





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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

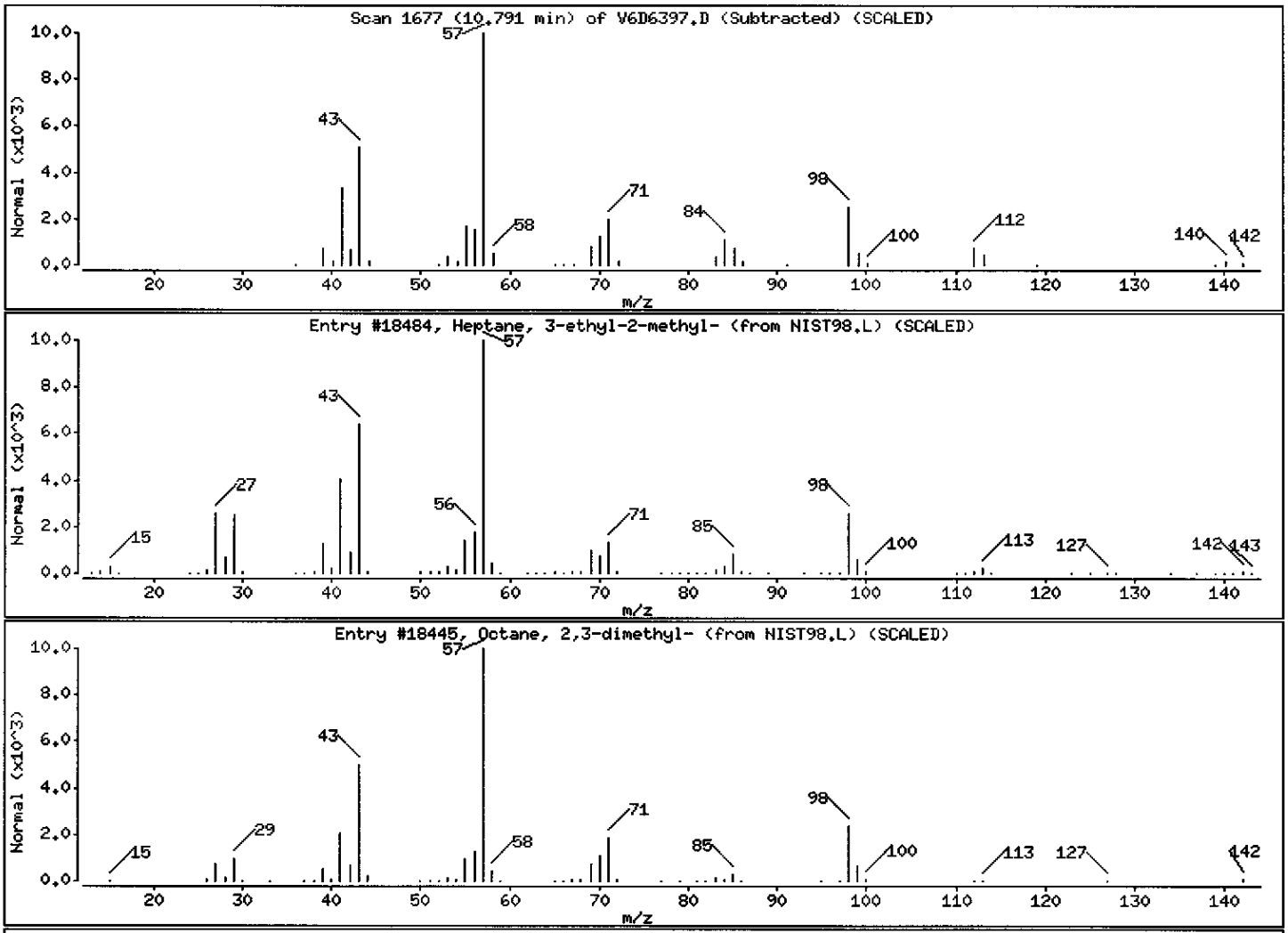
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Heptane, 3-ethyl-2-methyl-	14676-29-0	NIST98.L	18484	76	C10H22	142
Octane, 2,3-dimethyl-	7146-60-3	NIST98.L	18445	68	C10H22	142



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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

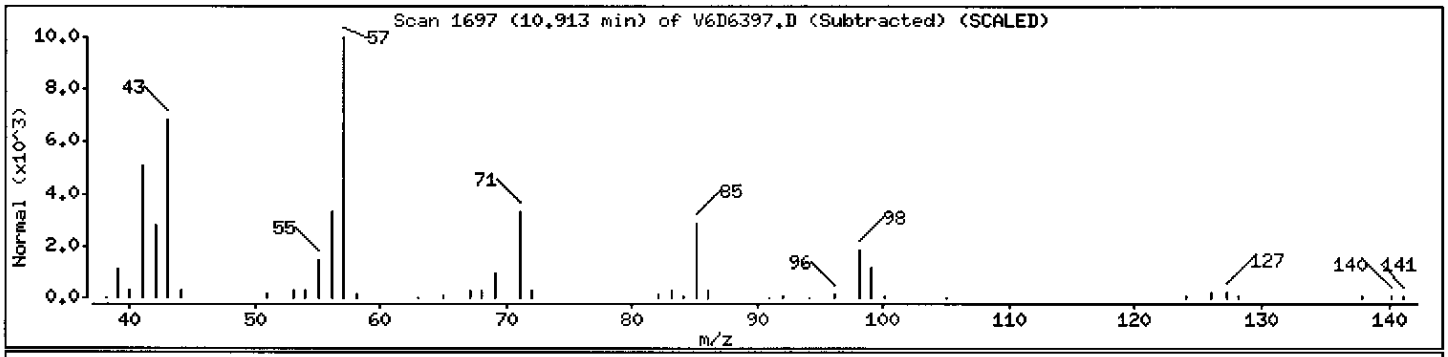
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

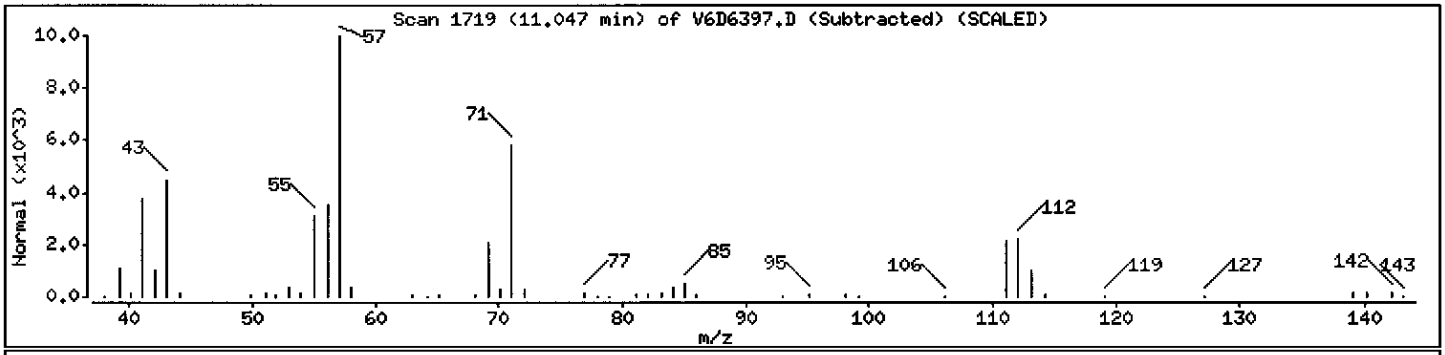
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

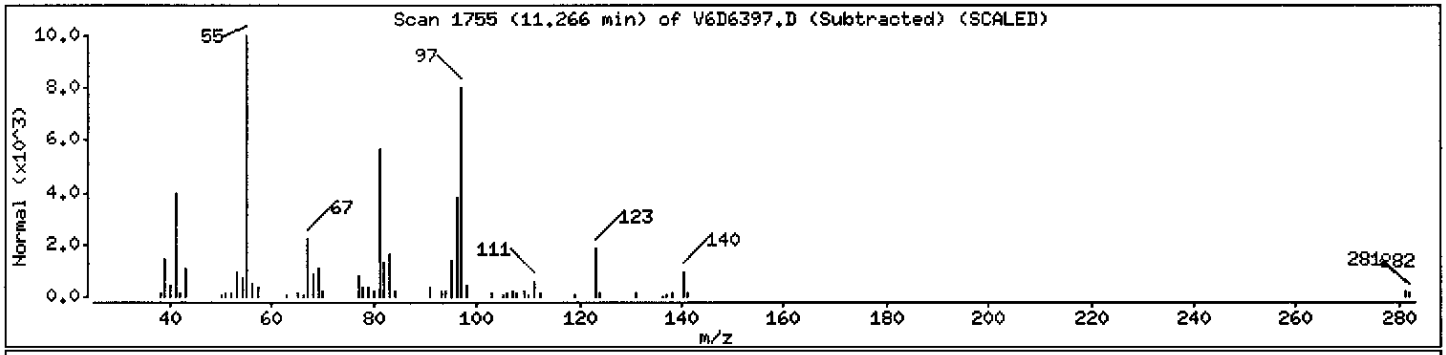
Sample Info: ,D0603-01ADL,18359,2X

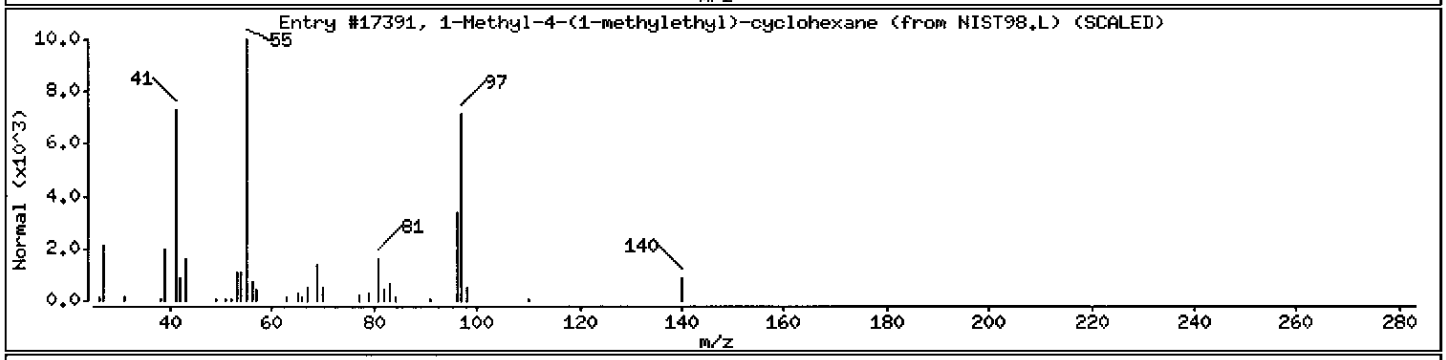
Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Methyl-4-(1-methylethyl)-cyclohexane	99-82-1	NIST98.L	17391	64	C10H20	140





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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

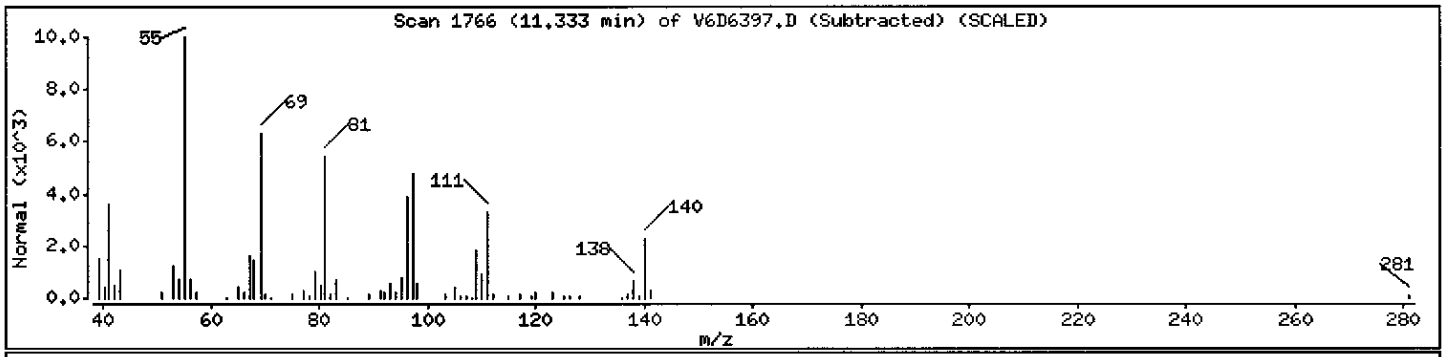
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
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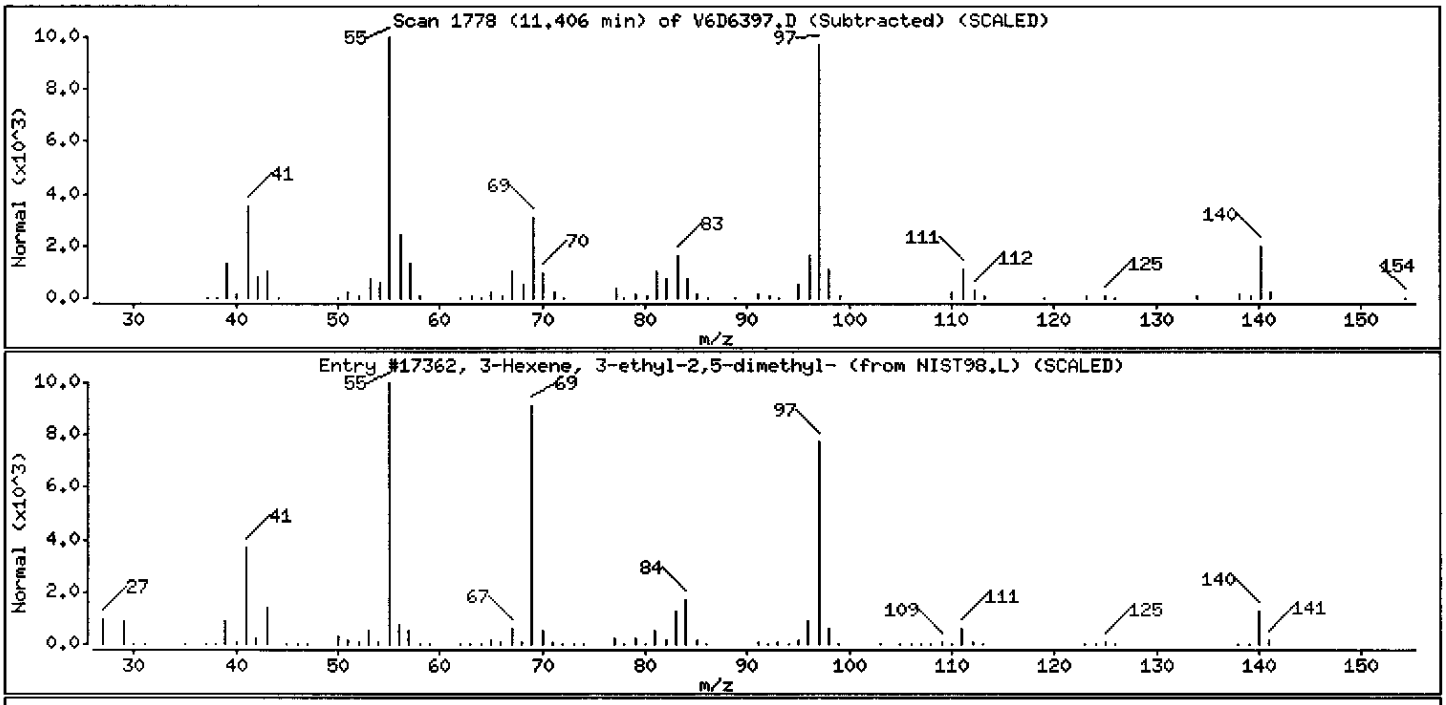

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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

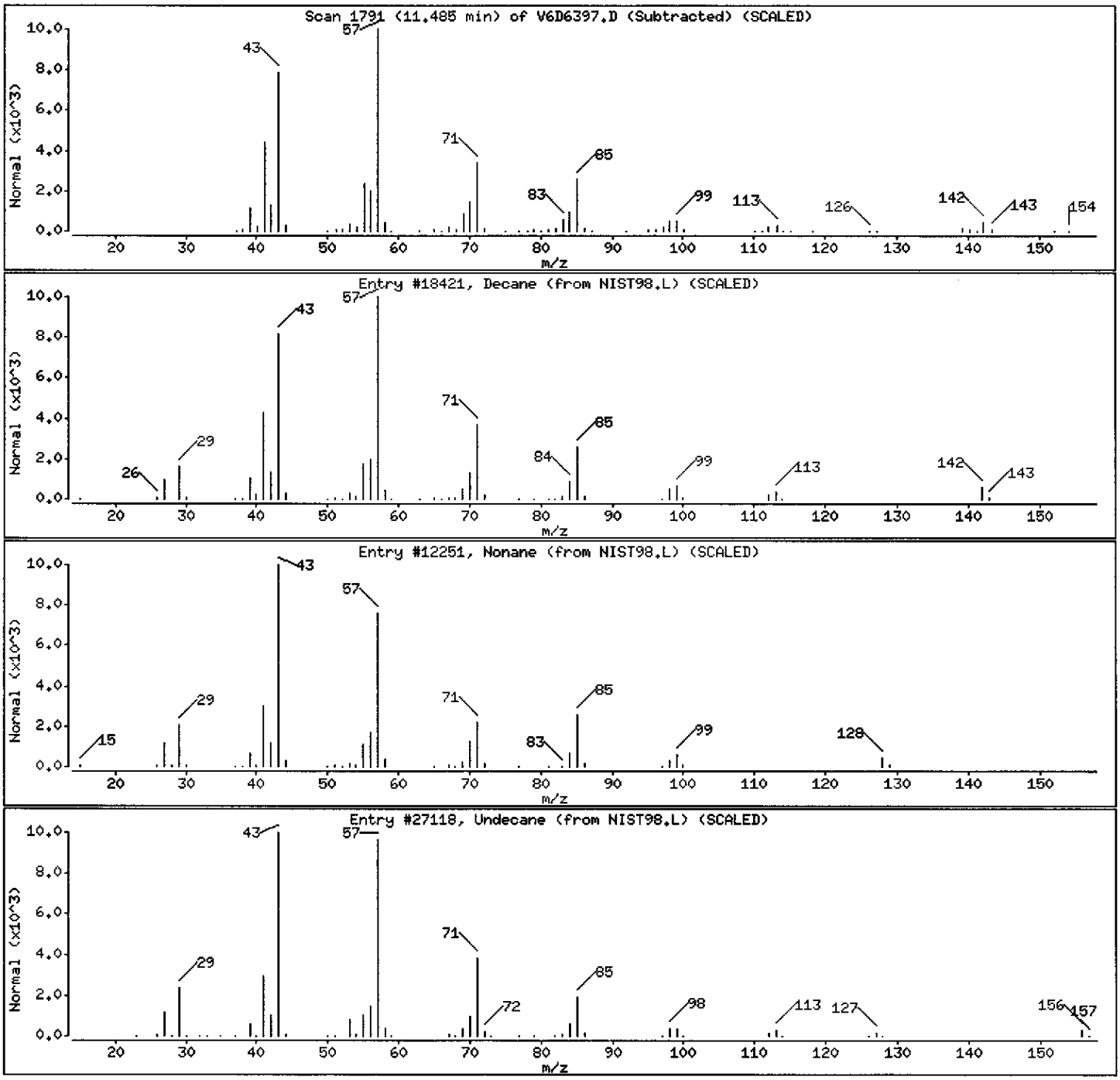
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Straight-chain Alkane						
Decane	124-18-5	NIST98.L	18421	97	C10H22	142
Nonane	111-84-2	NIST98.L	12251	64	C9H20	128
Undecane	1120-21-4	NIST98.L	27118	64	C11H24	156



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Date : 02-JUN-2005 13:28

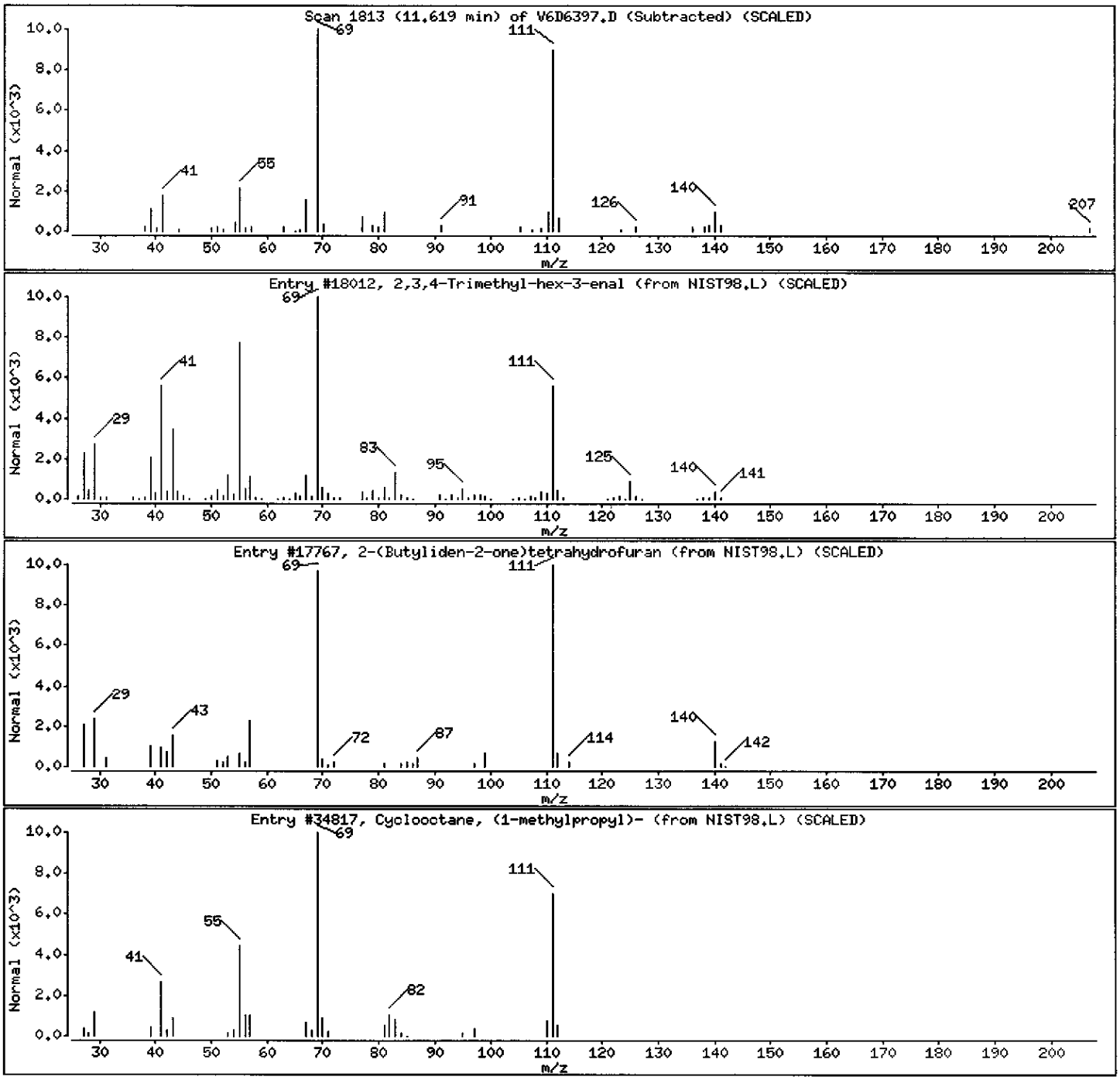
Client ID: B-840DL **Instrument:** V6.i

Sample Info: ,D0603-01ADL,18359,2X

Operator: SB **SRC:** SB

Column phase: DB-624 **Column diameter:** 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2,3,4-Trimethyl-hex-3-enal	1000193-72-9	NIST98.L	18012	64	C9H16O	140
2-(Butyliden-2-one)tetrahydrofuran	343270-50-8	NIST98.L	17767	64	C8H12O2	140
Cyclooctane, (1-methylpropyl)-	16538-89-9	NIST98.L	34817	64	C12H24	168



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D

Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

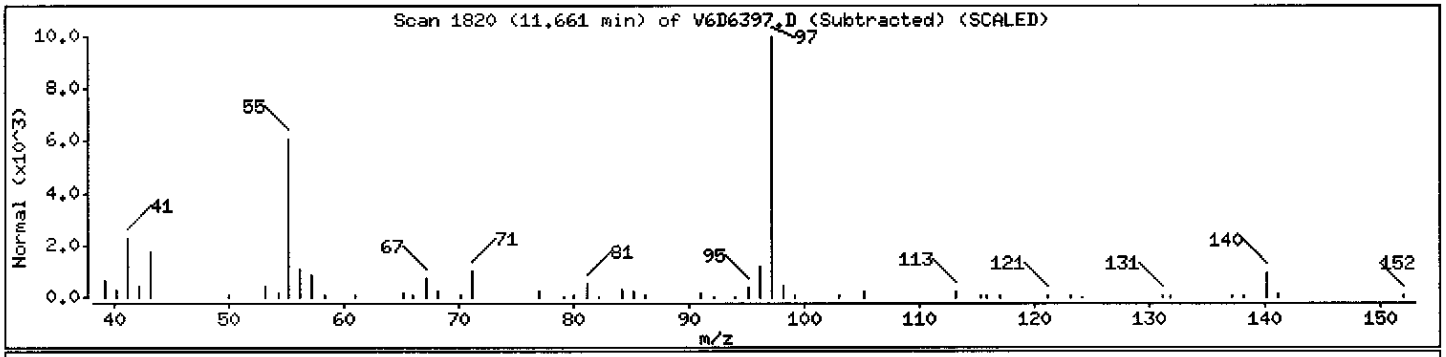
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

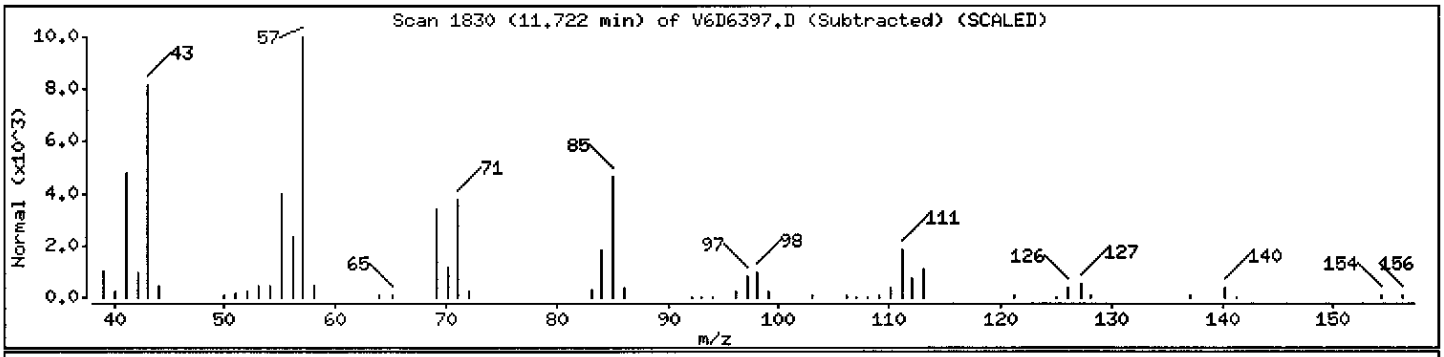
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D

Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

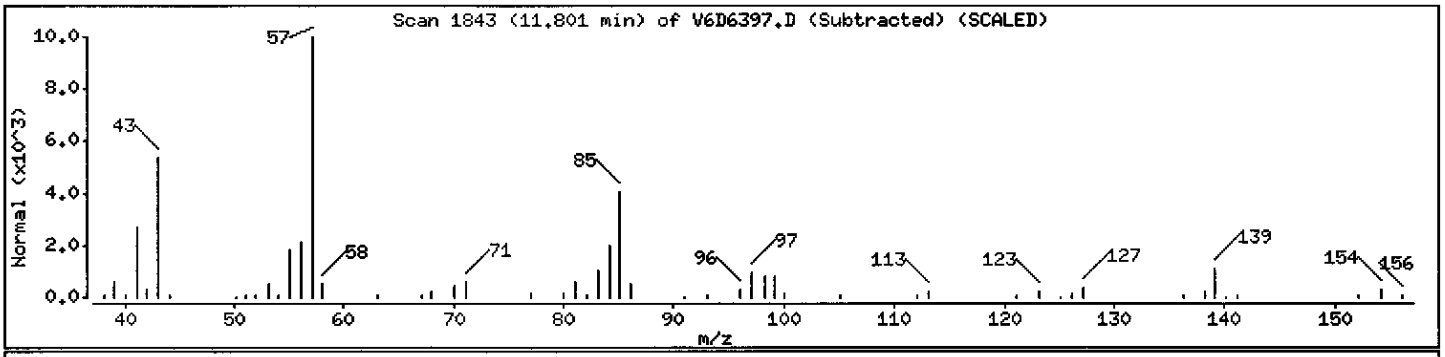
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

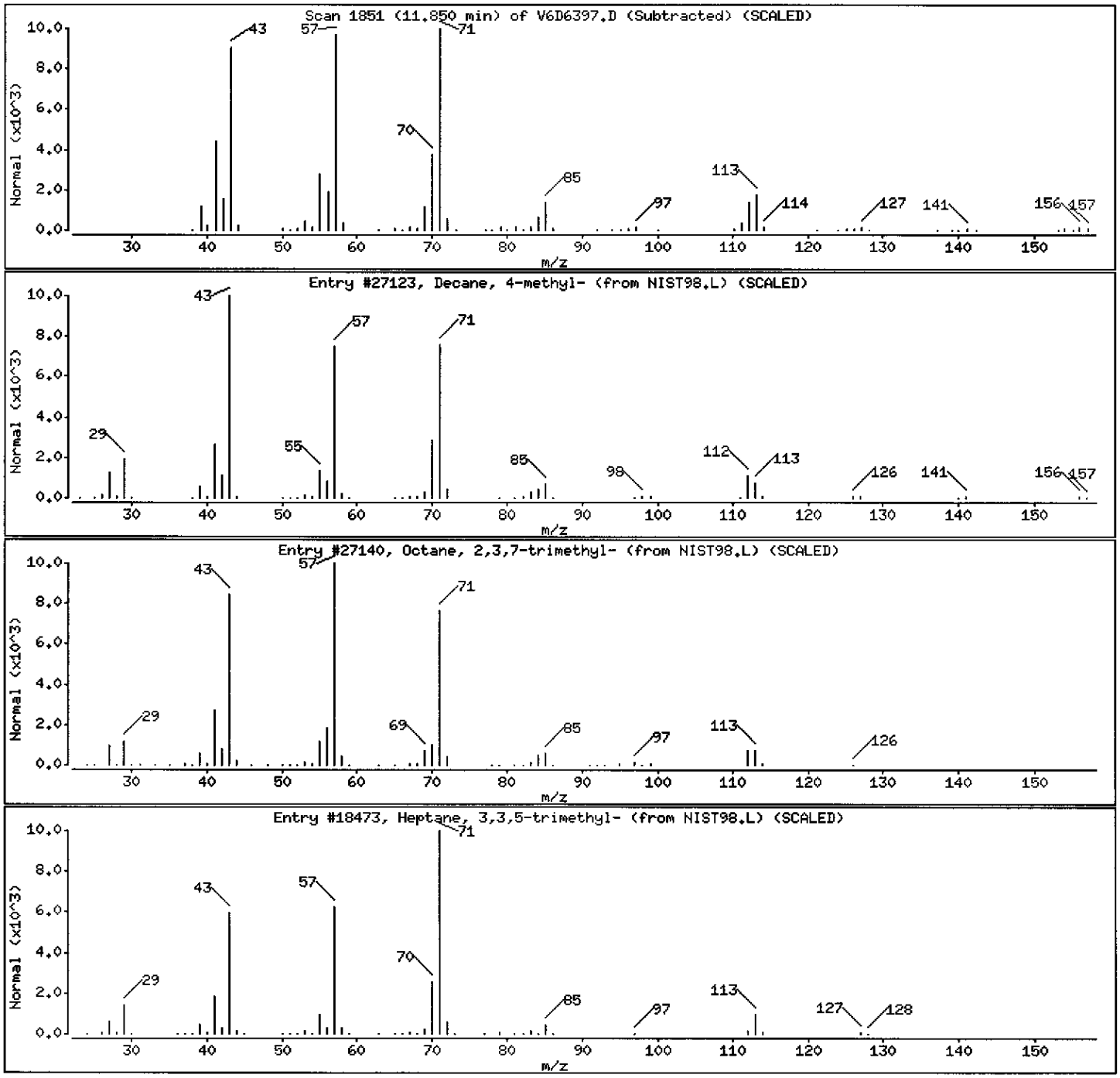
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Branched Alkane						
Decane, 4-methyl-	2847-72-5	NIST98.L	27123	91	C11H24	156
Octane, 2,3,7-trimethyl-	62016-34-6	NIST98.L	27140	78	C11H24	156
Heptane, 3,3,5-trimethyl-	7154-80-5	NIST98.L	18473	72	C10H22	142



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D

Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

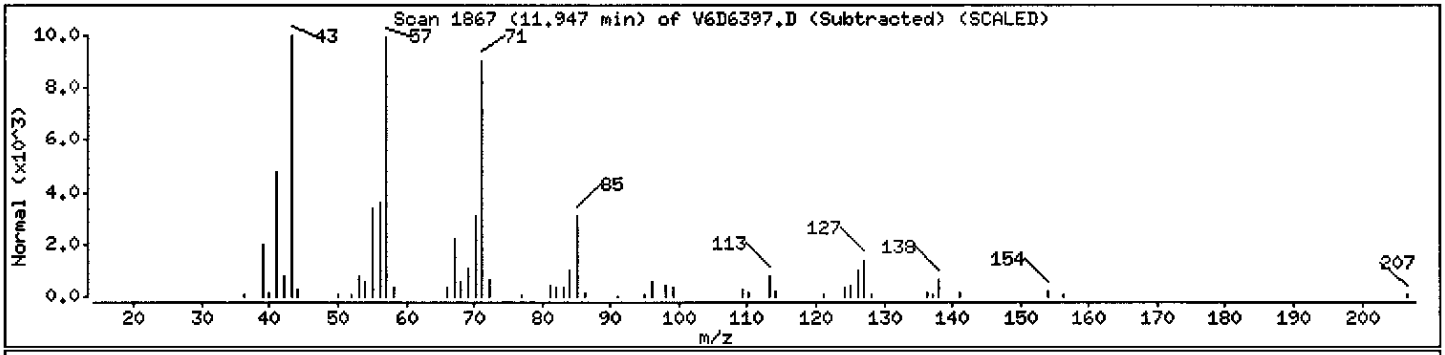
Sample Info: ,D0603-01ADL,18359,2X

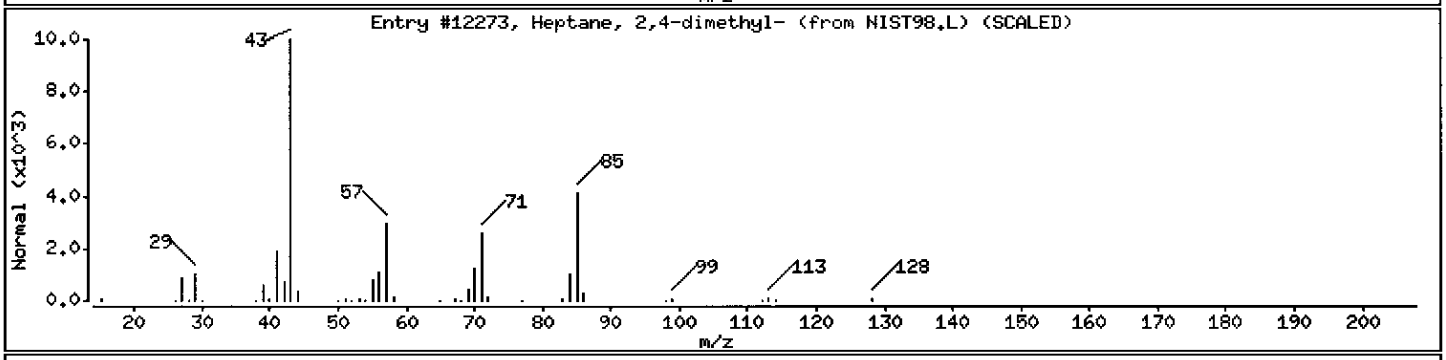
Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Heptane, 2,4-dimethyl-	2213-23-2	NIST98.L	12273	64	C9H20	128





Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D

Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

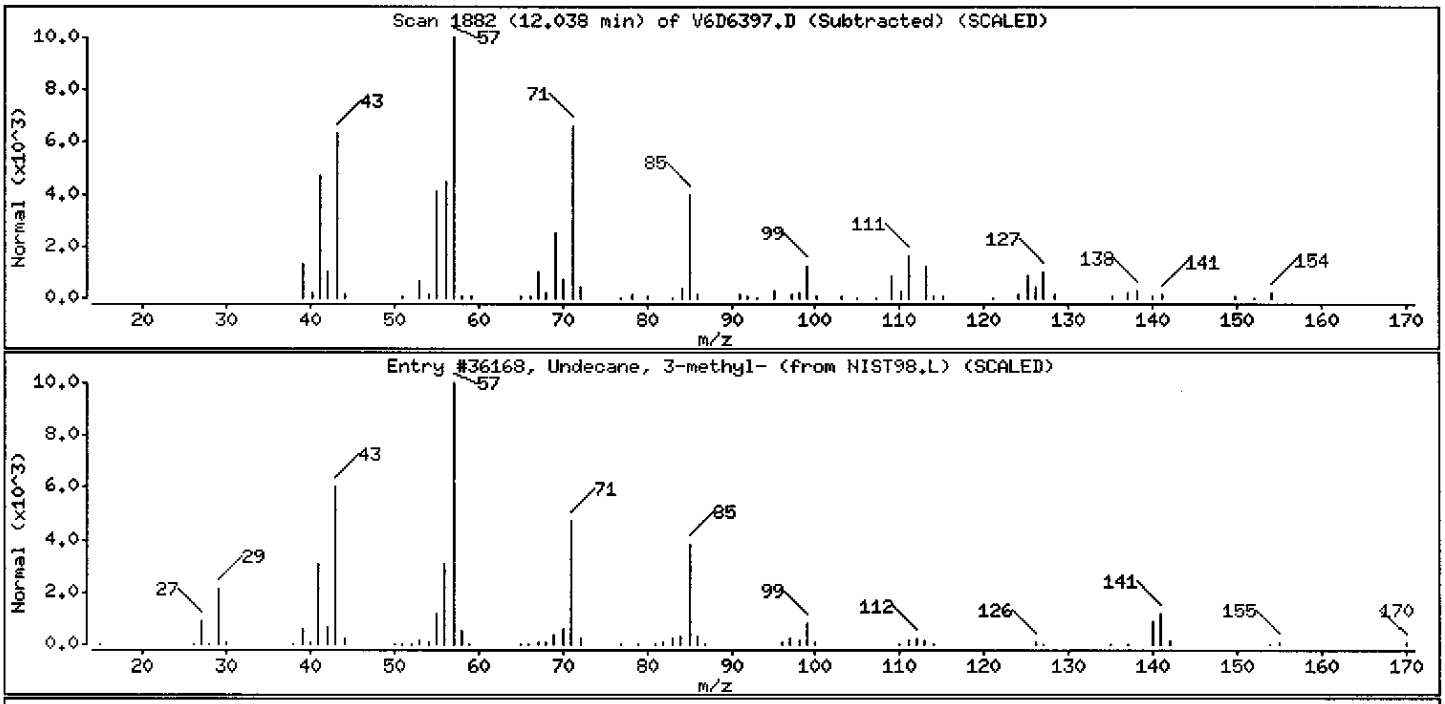
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Undecane, 3-methyl-	1002-43-3	NIST98.L	36168	64	C12H26	170



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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

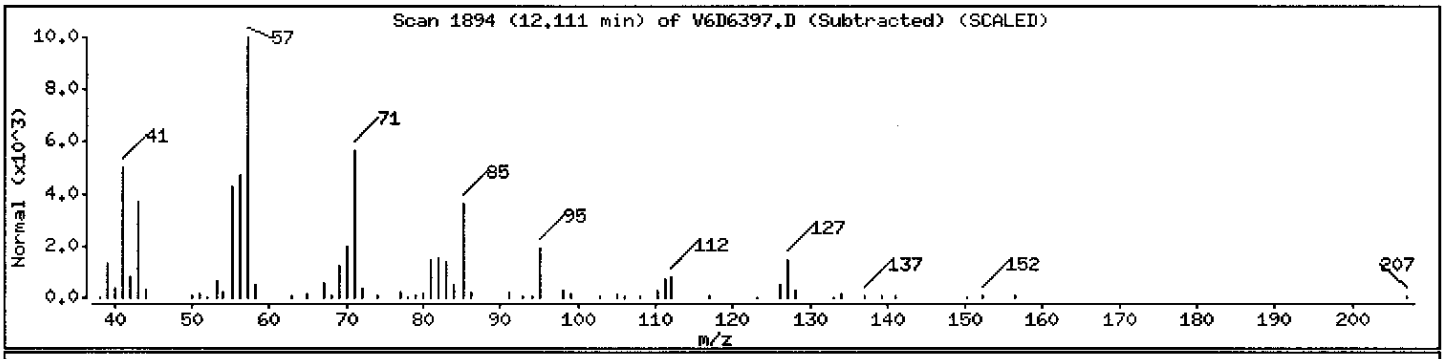
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 02-JUN-2005 13:28

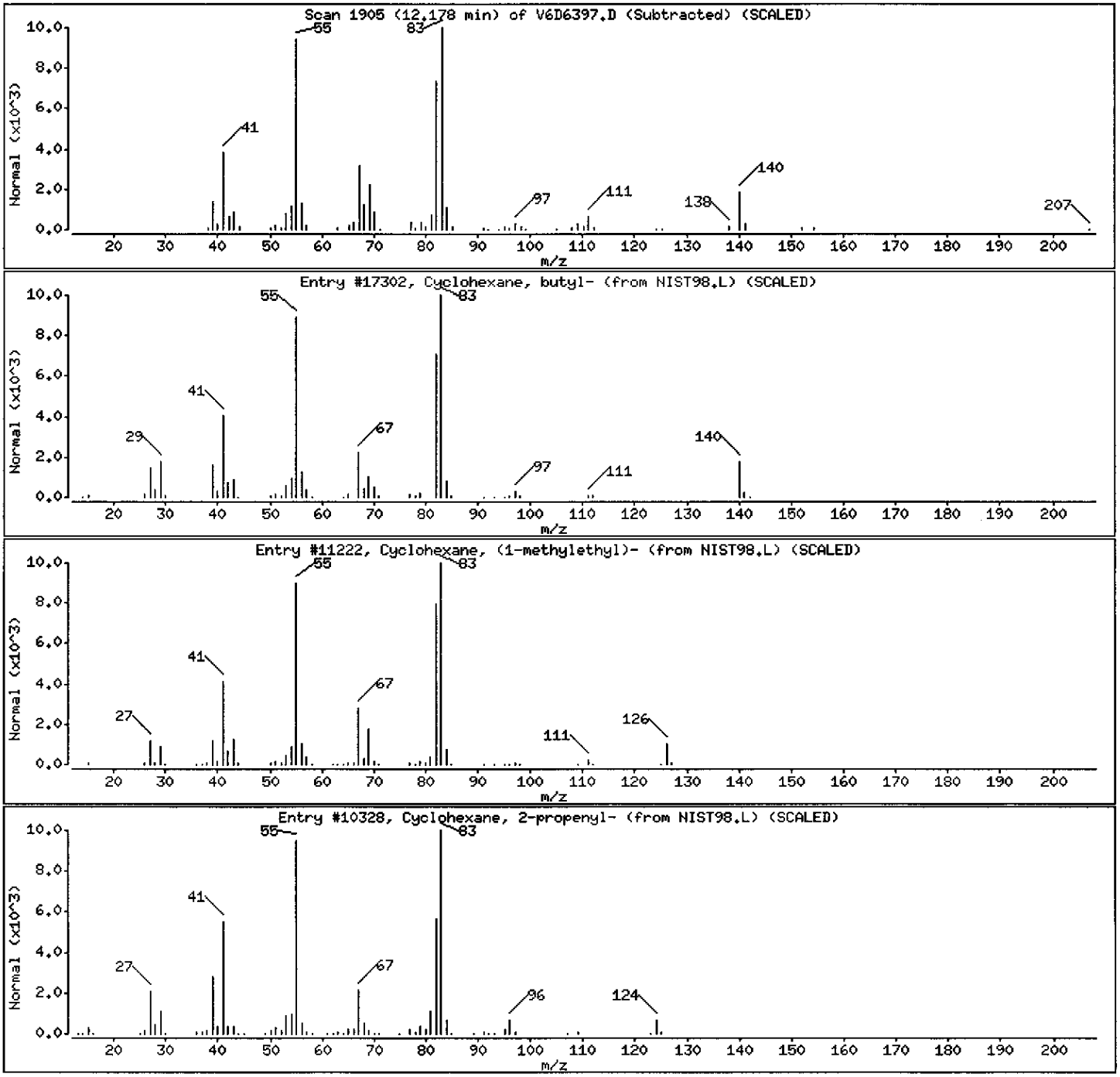
Client ID: B-840DL Instrument: V6.i

Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclic Alkane						
Cyclohexane, butyl-	1678-93-9	NIST98.L	17302	91	C10H20	140
Cyclohexane, (1-methylethyl)-	696-29-7	NIST98.L	11222	80	C9H18	126
Cyclohexane, 2-propenyl-	2114-42-3	NIST98.L	10328	78	C9H16	124



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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

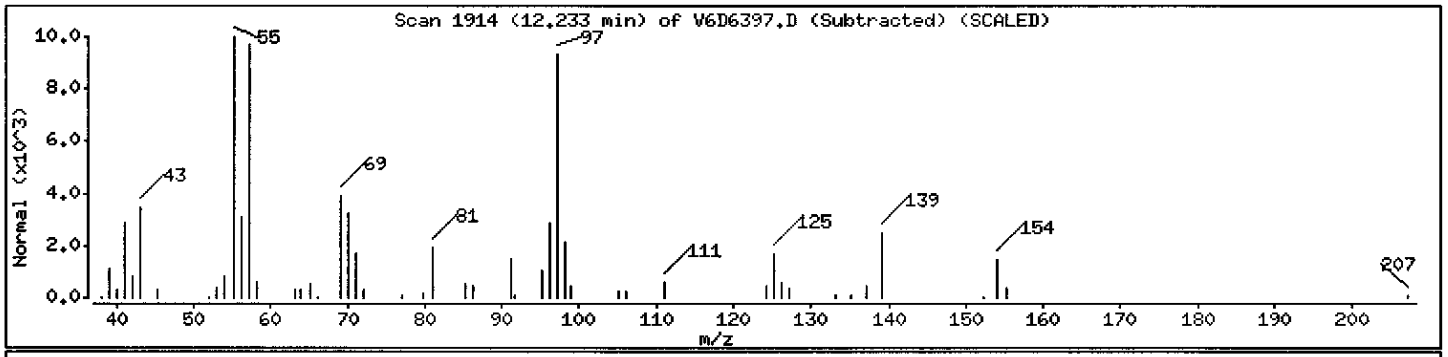
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

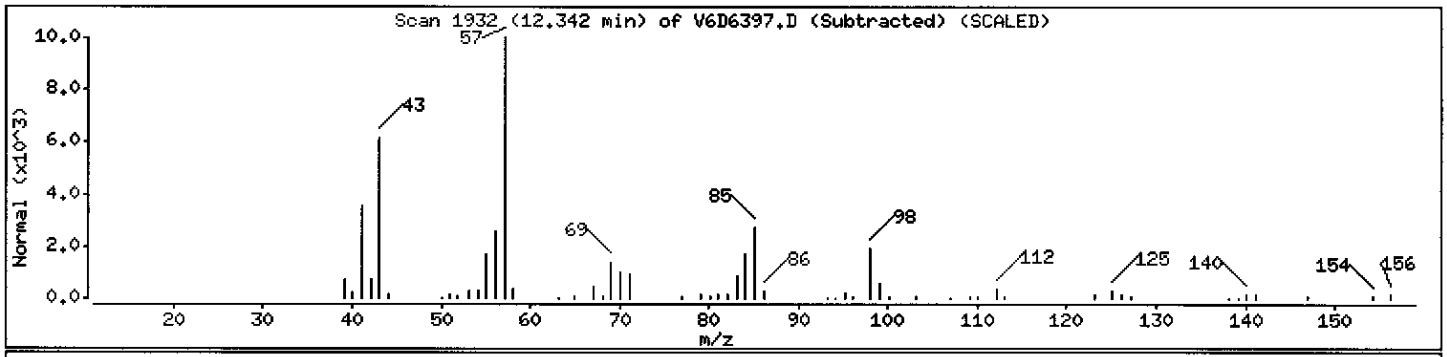
Sample Info: ,D0603-01ADL,18359,2X

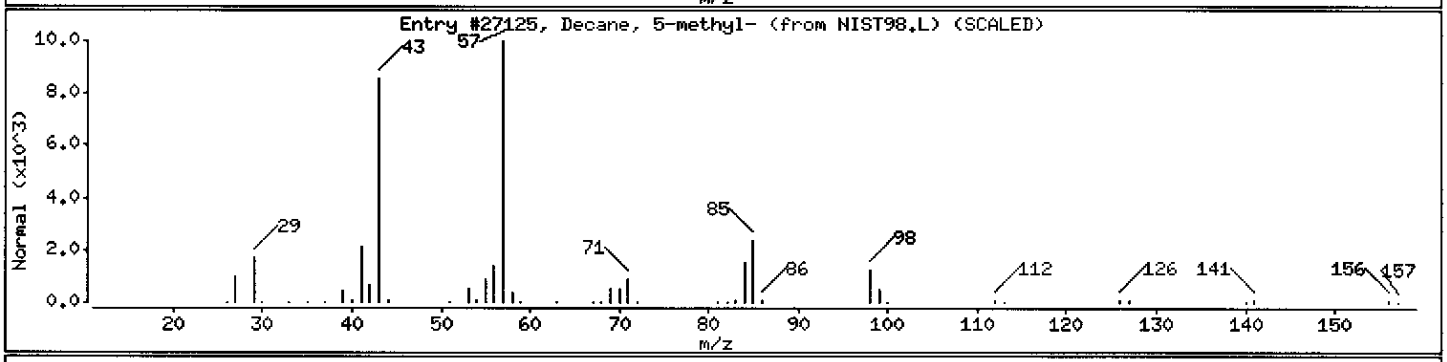
Operator: SB SRC: SB

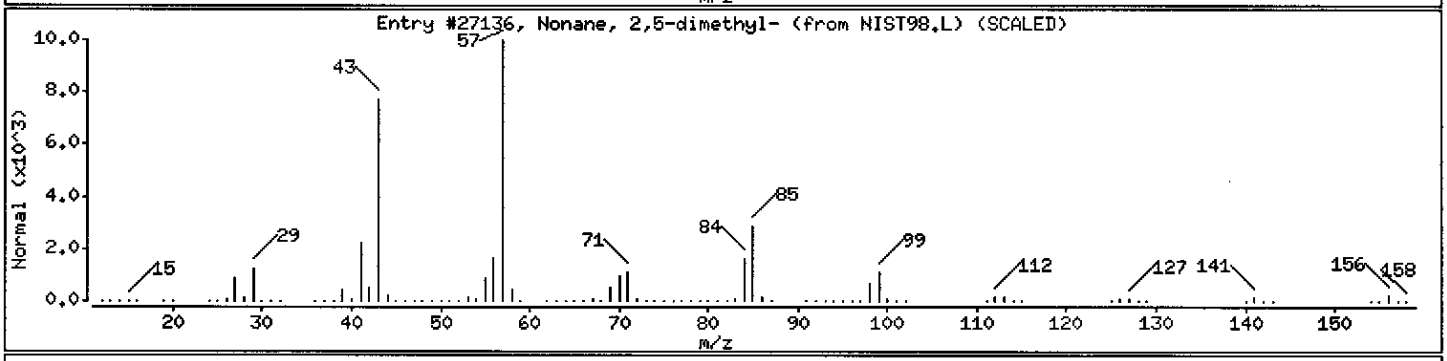
Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Decane, 5-methyl-	13151-35-4	NIST98.L	27125	72	C11H24	156
Nonane, 2,5-dimethyl-	17302-27-1	NIST98.L	27136	62	C11H24	156







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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

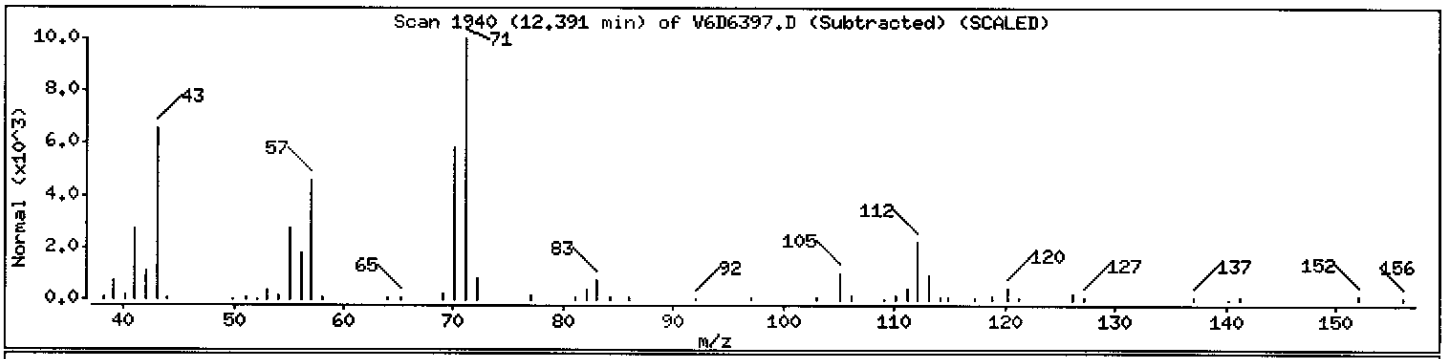
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D

Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

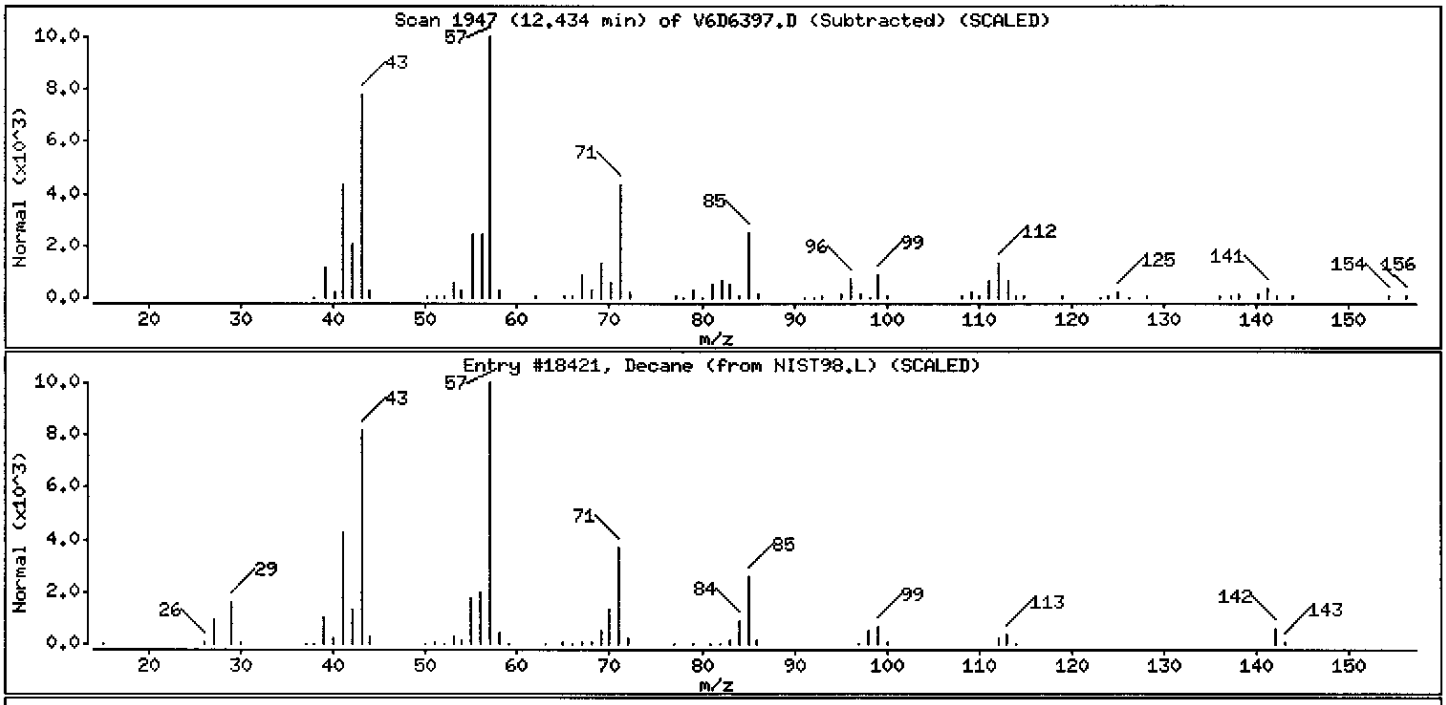
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Decane	124-18-5	NIST98.L	18421	64	C10H22	142



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D

Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

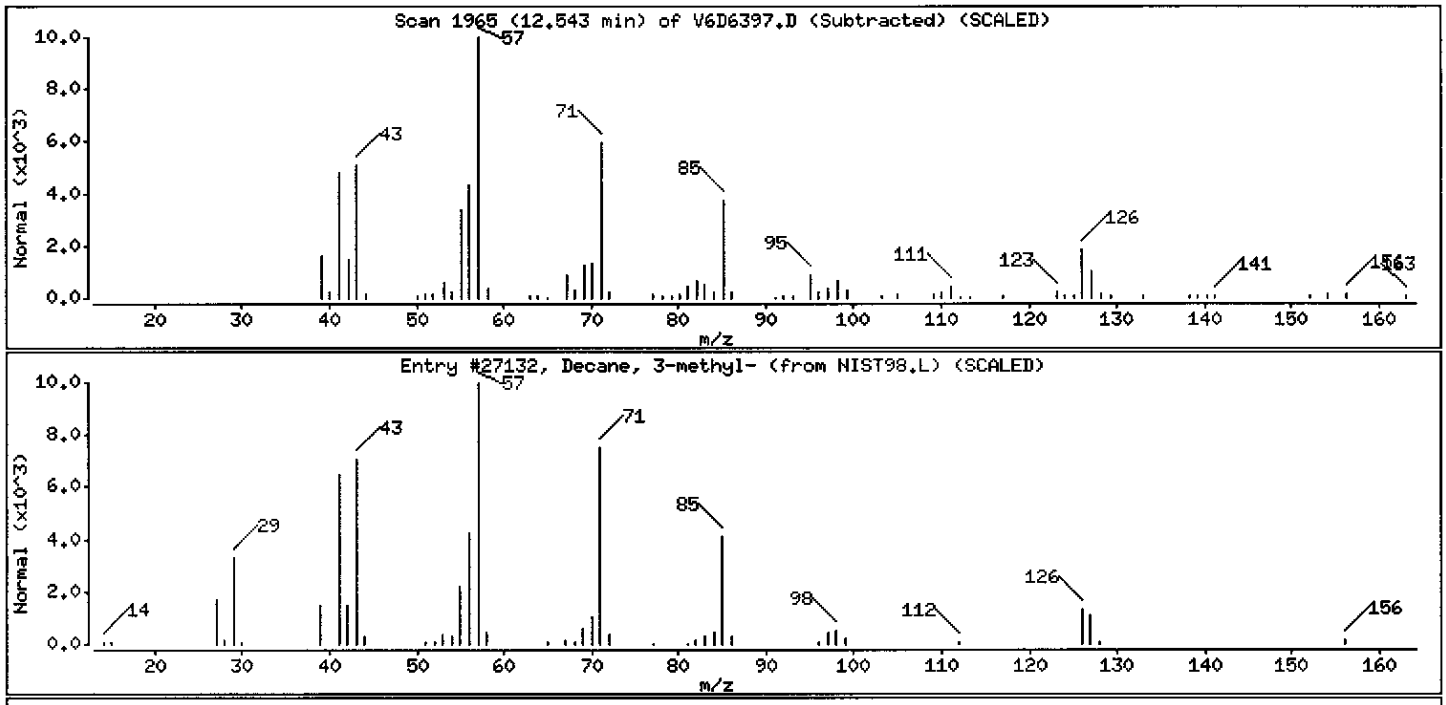
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Branched Alkane						
Decane, 3-methyl-	13151-34-3	NIST98.L	27132	90	C11H24	156



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Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

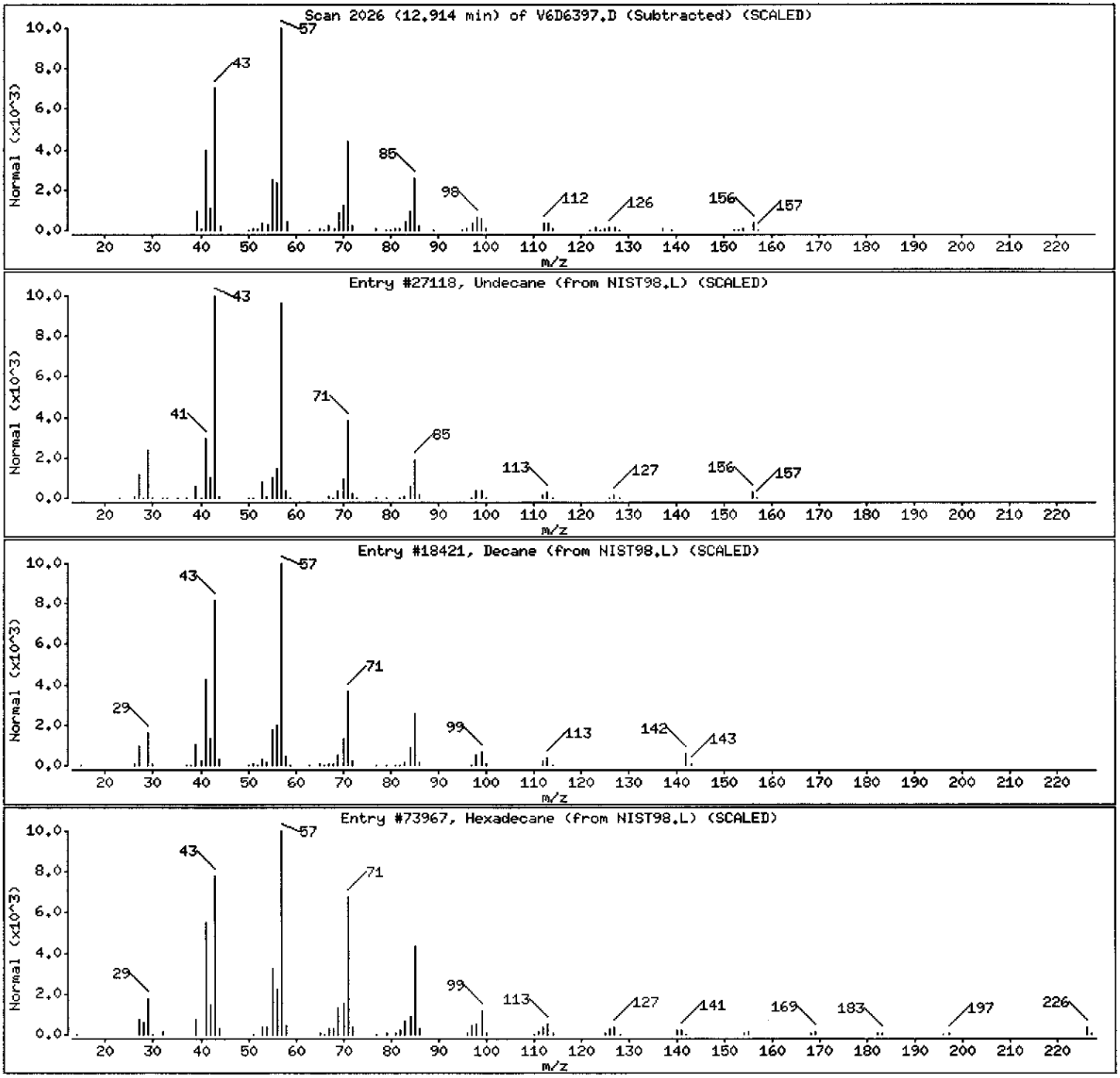
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Straight-chain Alkane						
Undecane	1120-21-4	NIST98.L	27118	90	C11H24	156
Decane	124-18-5	NIST98.L	18421	90	C10H22	142
Hexadecane	544-76-3	NIST98.L	73967	80	C16H34	226



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6397.D

Date : 02-JUN-2005 13:28

Client ID: B-840DL

Instrument: V6.i

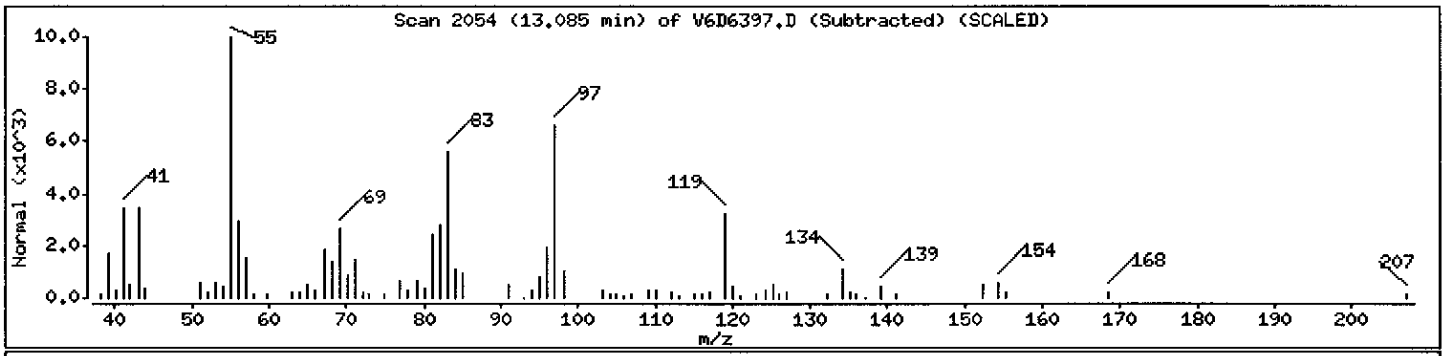
Sample Info: ,D0603-01ADL,18359,2X

Operator: SB SRC: SB

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Instrument ID: V1 Calibration Date(s): 05/23/05 05/23/05

Heated Purge: (Y/N) Y Calibration Times: 2054 2252

GC Column: DB-624 ID: 0.25(mm)

LAB FILE ID: RRF10 = V1G7752 RRF20 = V1G7755
RRF50 = V1G7751 RRF100= V1G7754 RRF200= V1G7753

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
Dichlorodifluoromethane	0.752	0.988	1.134	1.166	1.186	1.045	17.4	
Chloromethane	2.053	1.824	1.978	1.933	1.939	1.945	4.3	
Vinyl Chloride *	1.773	1.486	1.780	1.761	1.773	1.715	7.5*	
Bromomethane *	1.139	0.984	1.073	0.955	0.844	0.999	11.3*	
Chloroethane	0.988	0.835	0.974	0.909	0.863	0.914	7.3	
Trichlorofluoromethane	1.067	1.051	1.247	1.167	0.846	1.076	14.0	
1,1-Dichloroethene *	1.069	0.877	1.025	0.970	0.987	0.986	7.3*	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.833	0.917	1.141	1.105	1.103	1.020	13.4	
Acetone	0.621	0.617	0.578	0.474	0.424	0.543	16.4	
Carbon Disulfide	5.130	4.578	5.272	5.108	5.130	5.044	5.3	
Methyl Acetate	1.663	1.334	1.421	1.348	1.355	1.424	9.7	
Methylene Chloride	2.036	1.644	1.658	1.580	1.563	1.696	11.5	
trans-1,2-Dichloroethene	1.516	1.342	1.440	1.401	1.385	1.417	4.6	
Methyl tert-Butyl Ether	4.314	3.671	3.836	3.738	3.776	3.867	6.6	
1,1-Dichloroethane *	2.730	2.503	2.708	2.620	2.598	2.632	3.5*	
cis-1,2-Dichloroethene	1.663	1.389	1.498	1.487	1.461	1.500	6.7	
2-Butanone	1.149	0.990	0.878	0.870	0.895	0.956	12.3	
Chloroform *	2.531	2.181	2.258	2.144	2.144	2.252	7.2*	
1,1,1-Trichloroethane *	0.308	0.269	0.285	0.281	0.280	0.285	5.0*	
Cyclohexane	0.424	0.447	0.521	0.523	0.526	0.488	10.0	
Carbon Tetrachloride *	0.242	0.231	0.255	0.251	0.257	0.247	4.3*	
Benzene *	1.219	1.055	1.103	1.095	1.073	1.109	5.8*	
1,2-Dichloroethane *	1.522	1.412	1.432	1.399	1.344	1.422	4.5*	
Trichloroethene *	0.291	0.265	0.283	0.283	0.281	0.281	3.4*	<-
Methylcyclohexane	0.344	0.383	0.453	0.452	0.446	0.416	11.9	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6B
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Instrument ID: V1 Calibration Date(s): 05/23/05 05/23/05

Heated Purge: (Y/N) Y Calibration Times: 2054 2252

GC Column: DB-624 ID: 0.25 (mm)

LAB FILE ID: RRF10 = V1G7752 RRF20 = V1G7755
RRF50 = V1G7751 RRF100= V1G7754 RRF200= V1G7753

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1,2-Dichloropropane		0.350	0.292	0.311	0.306	0.302	0.312	7.2
Bromodichloromethane	*	0.326	0.277	0.301	0.296	0.296	0.299	5.8*
cis-1,3-Dichloropropene	*	0.444	0.385	0.398	0.391	0.395	0.403	5.9*
4-Methyl-2-Pentanone		0.533	0.433	0.410	0.407	0.417	0.440	12.0
Toluene	*	1.294	1.138	1.208	1.183	1.193	1.203	4.7*
trans-1,3-Dichloropropene	*	0.383	0.316	0.334	0.325	0.331	0.338	7.7*
1,1,2-Trichloroethane	*	0.249	0.215	0.204	0.208	0.210	0.217	8.3*
Tetrachloroethene	*	0.253	0.218	0.249	0.236	0.240	0.239	5.6*
2-Hexanone		0.325	0.299	0.278	0.277	0.289	0.294	6.7
Dibromochloromethane	*	0.291	0.257	0.255	0.258	0.254	0.263	6.1*
1,2-Dibromoethane		0.325	0.296	0.294	0.287	0.296	0.300	4.9
Chlorobenzene	*	0.909	0.774	0.820	0.805	0.805	0.823	6.2*
Ethylbenzene	*	0.428	0.388	0.410	0.403	0.410	0.408	3.6*
Xylene (Total)	*	0.533	0.468	0.497	0.489	0.491	0.496	4.8*
Styrene	*	0.724	0.632	0.671	0.673	0.668	0.674	4.9*
Bromoform	*	0.195	0.149	0.167	0.171	0.171	0.171	9.6*
Isopropylbenzene		1.238	1.085	1.195	1.189	1.205	1.182	4.9
1,1,2,2-Tetrachloroethane	*	0.444	0.385	0.387	0.380	0.385	0.396	6.7*
1,3-Dichlorobenzene	*	0.682	0.595	0.615	0.620	0.620	0.626	5.2*
1,4-Dichlorobenzene	*	0.693	0.589	0.652	0.633	0.636	0.641	5.9*
1,2-Dichlorobenzene	*	0.639	0.566	0.599	0.587	0.590	0.596	4.5*
1,2-Dibromo-3-chloropropane		0.060	0.060	0.056	0.052	0.054	0.056	6.4
1,2,4-Trichlorobenzene	*	0.427	0.375	0.400	0.393	0.398	0.399	4.7*
Toluene-d8		1.283	1.082	1.212	1.177	1.162	1.183	6.2
Bromofluorobenzene	*	0.499	0.423	0.462	0.445	0.438	0.453	6.4*
1,2-Dichloroethane-d4		1.551	1.304	1.419	1.349	1.321	1.389	7.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Instrument ID: V6 Calibration Date(s): 06/01/05 06/01/05

Heated Purge: (Y/N) N Calibration Times: 1012 1202

GC Column: DB-624 ID: 0.25(mm)

LAB FILE ID: RRF10 = V6D6362 RRF20 = V6D6365
RRF50 = V6D6361 RRF100= V6D6364 RRF200= V6D6363

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	1.834	2.037	2.140	2.072	1.835	1.984	7.1
Chloromethane	1.775	1.703	1.794	1.765	1.666	1.741	3.1
Vinyl Chloride *	1.597	1.672	1.782	1.869	1.648	1.714	6.4*
Bromomethane *	1.146	1.137	1.174	1.129	1.036	1.124	4.6*
Chloroethane	0.818	0.813	0.921	0.859	0.821	0.846	5.4
Trichlorofluoromethane	1.669	2.103	2.687	2.443	2.223	2.225	17.2
1,1-Dichloroethene *	0.997	1.384	1.499	1.537	1.434	1.370	15.8*
1,1,2-Trichloro-1,2,2-trifluoroethane	1.093	1.189	1.328	1.339	1.136	1.217	9.2
Acetone	0.562	0.545	0.783	0.603	0.609	0.620	15.3
Carbon Disulfide	4.108	4.038	4.610	4.506	4.229	4.298	5.8
Methyl Acetate	0.854	0.826	1.007	0.923	0.864	0.895	8.1
Methylene Chloride	1.558	1.528	1.544	1.502	1.417	1.510	3.7
trans-1,2-Dichloroethene	1.716	1.722	1.907	1.738	1.567	1.730	7.0
Methyl tert-Butyl Ether	4.017	4.422	4.403	4.284	3.993	4.224	4.9
1,1-Dichloroethane *	3.259	3.287	3.587	3.409	3.137	3.336	5.1*
cis-1,2-Dichloroethene	1.456	1.463	1.804	1.735	1.674	1.626	9.8
2-Butanone	0.716	0.771	0.924	0.803	0.753	0.793	10.0
Chloroform *	3.578	3.435	3.886	3.564	3.314	3.555	6.0*
1,1,1-Trichloroethane *	0.592	0.611	0.645	0.635	0.555	0.608	5.9*
Cyclohexane	0.307	0.385	0.521	0.506	0.441	0.432	20.5
Carbon Tetrachloride *	0.551	0.604	0.650	0.631	0.558	0.599	7.3*
Benzene *	1.151	1.220	1.444	1.337	1.131	1.257	10.5*
1,2-Dichloroethane *	3.311	3.295	3.627	3.310	3.072	3.323	6.0*
Trichloroethene *	0.378	0.397	0.464	0.433	0.385	0.411	8.8*
Methylcyclohexane	0.299	0.371	0.443	0.468	0.378	0.392	16.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6B
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Instrument ID: V6 Calibration Date(s): 06/01/05 06/01/05

Heated Purge: (Y/N) N Calibration Times: 1012 1202

GC Column: DB-624 ID: 0.25(mm)

LAB FILE ID: RRF10 = V6D6362 RRF20 = V6D6365
RRF50 = V6D6361 RRF100= V6D6364 RRF200= V6D6363

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
1,2-Dichloropropane		0.346	0.364	0.398	0.372	0.327	0.361	7.4	
Bromodichloromethane	*	0.522	0.549	0.601	0.568	0.504	0.549	7.0*	
cis-1,3-Dichloropropene	*	0.356	0.397	0.490	0.526	0.482	0.450	15.7*	
4-Methyl-2-Pentanone		0.241	0.293	0.348	0.318	0.294	0.299	13.1	
Toluene	*	1.318	1.439	1.690	1.572	1.353	1.474	10.5*	
trans-1,3-Dichloropropene	*	0.408	0.477	0.532	0.561	0.515	0.499	11.9*	
1,1,2-Trichloroethane	*	0.321	0.363	0.373	0.356	0.313	0.345	7.8*	
Tetrachloroethene	*	0.341	0.349	0.400	0.386	0.334	0.362	8.1*	
2-Hexanone		0.154	0.186	0.235	0.236	0.218	0.206	17.1	
Dibromochloromethane	*	0.405	0.442	0.498	0.473	0.425	0.449	8.3*	
1,2-Dibromoethane		0.355	0.382	0.412	0.411	0.371	0.386	6.5	
Chlorobenzene	*	1.019	1.076	1.209	1.140	0.998	1.088	8.0*	
Ethylbenzene	*	0.460	0.506	0.626	0.602	0.535	0.546	12.5*	
Xylene (Total)	*	0.482	0.591	0.749	0.714	0.632	0.634	16.7*	
Styrene	*	0.643	0.785	0.967	0.955	0.827	0.835	16.0*	
Bromoform	*	0.267	0.300	0.332	0.318	0.300	0.303	8.0*	
Isopropylbenzene		1.251	1.478	1.941	1.903	1.613	1.637	17.8	
1,1,2,2-Tetrachloroethane	*	0.411	0.469	0.459	0.453	0.403	0.439	6.8*	
1,3-Dichlorobenzene	*	0.700	0.807	0.989	0.979	0.874	0.870	13.9*	
1,4-Dichlorobenzene	*	0.740	0.878	1.055	1.034	0.920	0.925	13.8*	
1,2-Dichlorobenzene	*	0.728	0.805	0.959	0.958	0.846	0.859	11.7*	
1,2-Dibromo-3-chloropropane		0.076	0.092	0.098	0.105	0.094	0.093	11.7	
1,2,4-Trichlorobenzene	*	0.293	0.398	0.543	0.595	0.561	0.478	26.7*	<-
Toluene-d8		0.975	1.172	1.455	1.425	1.228	1.251	15.8	
Bromofluorobenzene	*	0.407	0.469	0.611	0.604	0.549	0.528	16.7*	
1,2-Dichloroethane-d4		2.545	2.543	3.121	2.880	2.758	2.769	8.8	

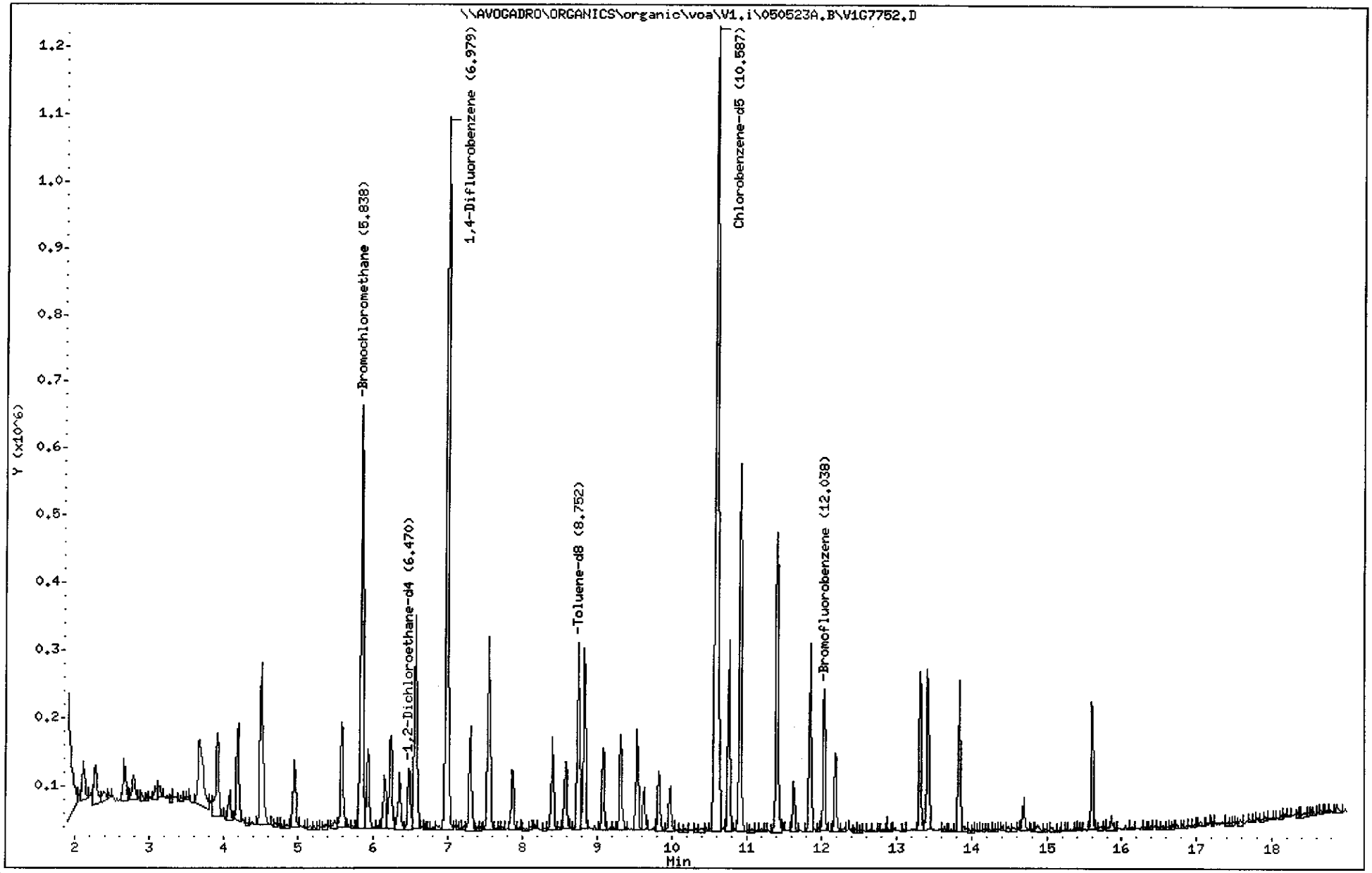
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\V1G7752.D
Date : 23-MAY-2005 21:24
Client ID: VSTD0101J
Sample Info: ,VSTD0101J,VSTD0101J,

Instrument: V1.i

Operator: LG/YD
Column diameter: 0.25

Column phase: DB-624



0143

Data File: V1G7752.D
Report Date: 02-Jun-2005 16:15

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\V1G7752.D
Lab Smp Id: VSTD0101J Client Smp ID: VSTD0101J
Inj Date : 23-MAY-2005 21:24
Operator : LG/YD Inst ID: V1.i
Smp Info : ,VSTD0101J,VSTD0101J,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\v1clp4h.m
Meth Date : 02-Jun-2005 16:15 mtl Quant Type: ISTD
Cal Date : 23-MAY-2005 20:54 Cal File: V1G7751.D
Als bottle: 16 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.956	1.955	(0.335)	33543	10.0000	7(a)
2 Chloromethane	50	2.093	2.117	(0.358)	91570	10.0000	11
3 Vinyl Chloride	62	2.266	2.278	(0.388)	79073	10.0000	10
4 Bromomethane	94	2.651	2.662	(0.454)	50808	10.0000	11
5 Chloroethane	64	2.775	2.774	(0.475)	44056	10.0000	11
6 Trichlorofluoromethane	101	3.134	3.133	(0.537)	47613	10.0000	10
7 1,1-Dichloroethene	96	3.655	3.667	(0.626)	47676	10.0000	11
9 Acetone	43	3.705	3.704	(0.635)	27705	10.0000	11
10 Carbon Disulfide	76	3.903	3.902	(0.669)	228827	10.0000	10
11 Methyl Acetate	43	4.077	4.076	(0.698)	74184	10.0000	12
12 Methylene Chloride	84	4.188	4.188	(0.717)	90826	10.0000	12
13 trans-1,2-Dichloroethene	96	4.498	4.497	(0.771)	67620	10.0000	11
14 Methyl tert-Butyl Ether	73	4.511	4.510	(0.773)	192447	10.0000	11
15 1,1-Dichloroethane	63	4.945	4.944	(0.847)	121775	10.0000	10
16 2-Butanone	43	5.590	5.576	(0.958)	51244	10.0000	12

Data File: V1G7752.D
Report Date: 02-Jun-2005 16:15

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17	cis-1,2-Dichloroethene	96	5.577	5.576	(0.955)	74189	10.0000	11
*	18	Bromochloromethane	128	5.838	5.837	(1.000)	223044	50.0000	
	19	Chloroform	83	5.925	5.924	(1.015)	112890	10.0000	11
	20	1,1,1-Trichloroethane	97	6.148	6.147	(0.881)	68724	10.0000	11
	21	Cyclohexane	56	6.235	6.234	(0.893)	94685	10.0000	9(a)
	22	Carbon Tetrachloride	117	6.346	6.345	(0.909)	54063	10.0000	10
$	23	1,2-Dichloroethane-d4	65	6.470	6.482	(1.108)	69182	10.0000	11
	24	1,2-Dichloroethane	62	6.557	6.556	(1.123)	67875	10.0000	11
	25	Benzene	78	6.557	6.556	(0.940)	271885	10.0000	11
*	26	1,4-Difluorobenzene	114	6.979	6.978	(1.000)	1115454	50.0000	
	27	Trichloroethene	130	7.301	7.300	(1.046)	64975	10.0000	10
	28	Methylcyclohexane	83	7.549	7.548	(1.082)	76834	10.0000	8(a)
	29	1,2-Dichloropropane	63	7.549	7.548	(1.082)	78101	10.0000	11
	30	Bromodichloromethane	83	7.859	7.858	(1.126)	72638	10.0000	11
	31	cis-1,3-Dichloropropene	75	8.405	8.404	(1.204)	99145	10.0000	11
	32	4-Methyl-2-Pentanone	43	8.578	8.577	(0.810)	99316	10.0000	12
$	33	Toluene-d8	98	8.752	8.751	(0.827)	239250	10.0000	11
	34	Toluene	91	8.826	8.825	(0.834)	241222	10.0000	11
	35	trans-1,3-Dichloropropene	75	9.074	9.073	(1.300)	85385	10.0000	11
	36	1,1,2-Trichloroethane	97	9.310	9.309	(1.334)	55515	10.0000	11
	37	Tetrachloroethene	164	9.533	9.532	(0.900)	47110	10.0000	11
	38	2-Hexanone	43	9.632	9.632	(0.910)	60535	10.0000	11
	39	Dibromochloromethane	129	9.818	9.830	(1.407)	65011	10.0000	11(T)
	40	1,2-Dibromoethane	107	9.980	9.979	(0.943)	60586	10.0000	11
*	42	Chlorobenzene-d5	117	10.587	10.586	(1.000)	932097	50.0000	
	43	Chlorobenzene	112	10.624	10.624	(1.004)	169505	10.0000	11
	44	Ethylbenzene	106	10.761	10.760	(1.016)	79744	10.0000	10
	45	m,p-Xylene	106	10.910	10.909	(1.030)	203877	20.0000	22
	46	o-Xylene	106	11.406	11.405	(1.077)	99309	10.0000	11
	47	Styrene	104	11.418	11.417	(1.078)	134949	10.0000	11
	48	Bromoform	173	11.629	11.628	(1.666)	43471	10.0000	11
	49	Isopropylbenzene	105	11.852	11.851	(1.119)	230730	10.0000	10
	51	1,1,2,2-Tetrachloroethane	83	12.187	12.198	(1.151)	82703	10.0000	11
M	41	Xylene (Total)	106				303186	10.0000	33
	52	1,3-Dichlorobenzene	146	13.315	13.315	(1.258)	127174	10.0000	11
	53	1,4-Dichlorobenzene	146	13.427	13.426	(1.268)	129220	10.0000	11
	54	1,2-Dichlorobenzene	146	13.849	13.848	(1.308)	119156	10.0000	11
	55	1,2-Dibromo-3-chloropropane	75	14.692	14.691	(1.388)	11249	10.0000	11
	56	1,2,4-Trichlorobenzene	180	15.610	15.609	(1.474)	79691	10.0000	11

QC Flag Legend

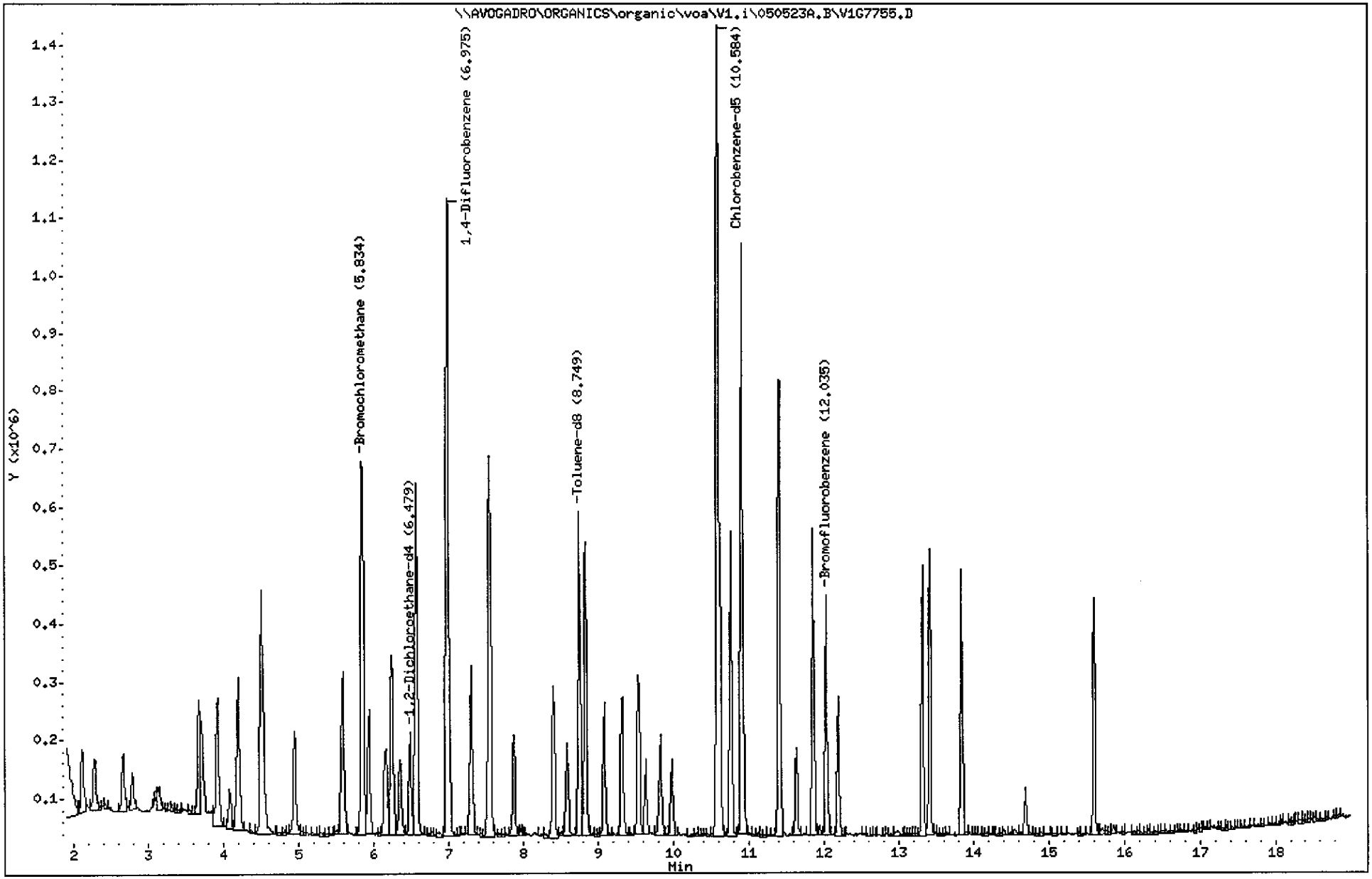
T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

KC
6/2/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\V1G7755.D
Date : 23-MAY-2005 22:52
Client ID: VSTD0201J
Sample Info: ,VSTD0201J,VSTD0201J,

Instrument: V1.i

Operator: LG/YD
Column phase: DB-624
Column diameter: 0.25



Data File: V1G7755.D
Report Date: 25-May-2005 10:28

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\V1G7755.D
Lab Smp Id: VSTD0201J Client Smp ID: VSTD0201J
Inj Date : 23-MAY-2005 22:52
Operator : LG/YD Inst ID: V1.i
Smp Info : ,VSTD0201J,VSTD0201J,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\v1clp4h.m
Meth Date : 25-May-2005 10:28 mtl Quant Type: ISTD
Cal Date : 23-MAY-2005 20:54 Cal File: V1G7751.D
Als bottle: 19 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

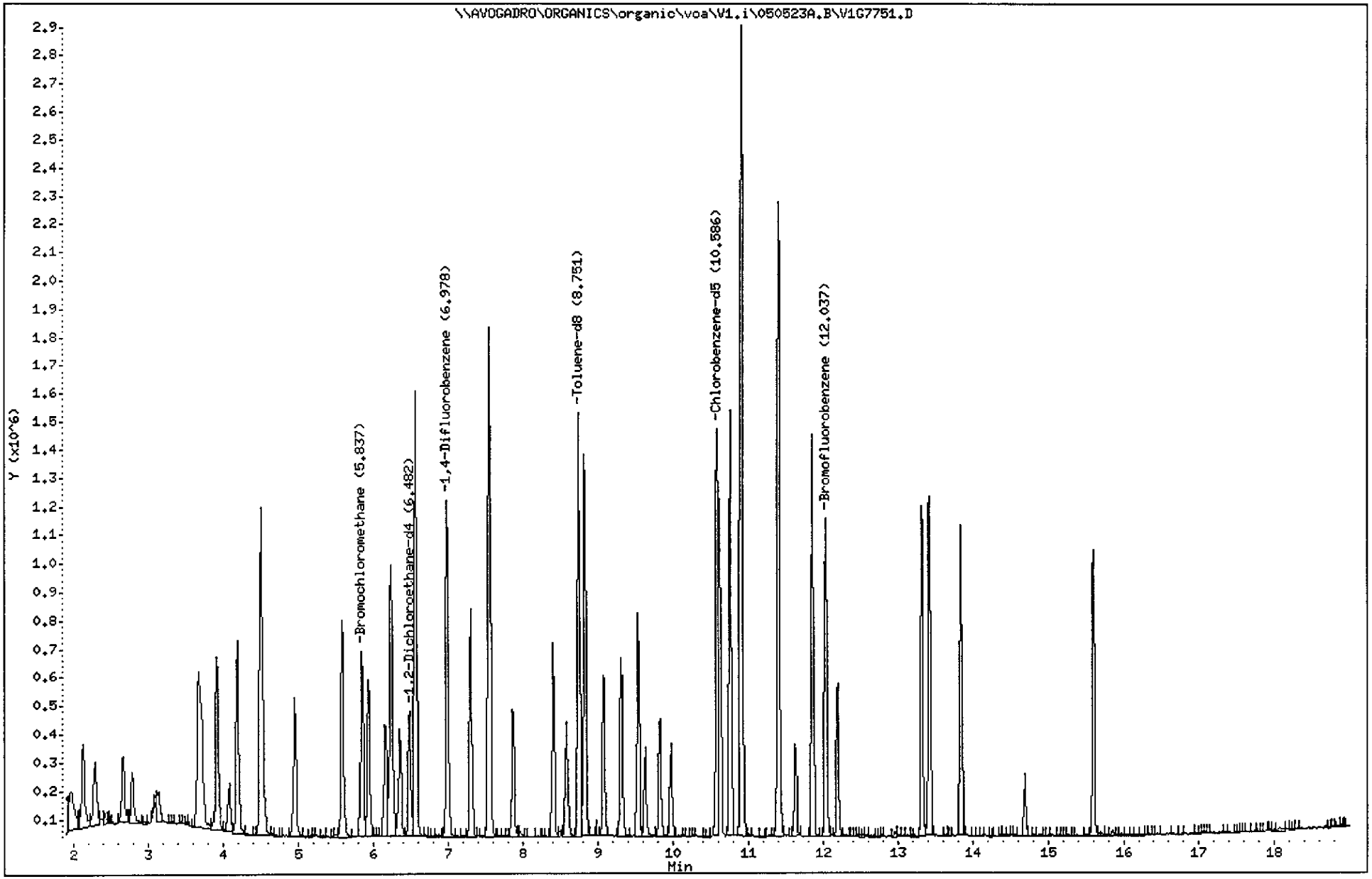
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.978	1.955	(0.338)	94451	20.0000	19
2 Chloromethane	50	2.102	2.117	(0.359)	174400	20.0000	19
3 Vinyl Chloride	62	2.263	2.278	(0.387)	142077	20.0000	17
4 Bromomethane	94	2.660	2.662	(0.455)	94077	20.0000	20
5 Chloroethane	64	2.771	2.774	(0.474)	79833	20.0000	18
6 Trichlorofluoromethane	101	3.131	3.133	(0.535)	100503	20.0000	20
7 1,1-Dichloroethene	96	3.664	3.667	(0.627)	83840	20.0000	18
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.701	3.704	(0.633)	87717	20.0000	18
9 Acetone	43	3.701	3.704	(0.633)	59021	20.0000	23
10 Carbon Disulfide	76	3.912	3.902	(0.669)	437759	20.0000	18
11 Methyl Acetate	43	4.073	4.076	(0.697)	127579	20.0000	19
12 Methylene Chloride	84	4.185	4.188	(0.716)	157194	20.0000	19
13 trans-1,2-Dichloroethene	96	4.495	4.497	(0.769)	128345	20.0000	19
14 Methyl tert-Butyl Ether	73	4.507	4.510	(0.771)	351014	20.0000	19
15 1,1-Dichloroethane	63	4.941	4.944	(0.845)	239330	20.0000	19

Data File: V1G7755.D
Report Date: 25-May-2005 10:28

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	16	2-Butanone	43	5.586	5.576	(0.955)	94665	20.0000	21
	17	cis-1,2-Dichloroethene	96	5.586	5.576	(0.955)	132806	20.0000	19
*	18	Bromochloromethane	128	5.847	5.837	(1.000)	239039	50.0000	
	19	Chloroform	83	5.934	5.924	(1.015)	208499	20.0000	19
	20	1,1,1-Trichloroethane	97	6.157	6.147	(0.881)	132993	20.0000	19
	21	Cyclohexane	56	6.231	6.234	(0.892)	220604	20.0000	18
	22	Carbon Tetrachloride	117	6.343	6.345	(0.908)	114041	20.0000	19
$	23	1,2-Dichloroethane-d4	65	6.479	6.482	(1.108)	124703	20.0000	19
	24	1,2-Dichloroethane	62	6.566	6.556	(1.123)	135024	20.0000	20
	25	Benzene	78	6.566	6.556	(0.940)	521102	20.0000	19
*	26	1,4-Difluorobenzene	114	6.988	6.978	(1.000)	1234861	50.0000	
	27	Trichloroethene	130	7.298	7.300	(1.044)	130959	20.0000	19
	28	Methylcyclohexane	83	7.546	7.548	(1.080)	189161	20.0000	18
	29	1,2-Dichloropropane	63	7.546	7.548	(1.080)	144097	20.0000	19
	30	Bromodichloromethane	83	7.868	7.858	(1.126)	136929	20.0000	19
	31	cis-1,3-Dichloropropene	75	8.401	8.404	(1.202)	189955	20.0000	19
	32	4-Methyl-2-Pentanone	43	8.587	8.577	(0.811)	178737	20.0000	20
$	33	Toluene-d8	98	8.748	8.751	(0.827)	446290	20.0000	18
	34	Toluene	91	8.835	8.825	(0.835)	469453	20.0000	19
	35	trans-1,3-Dichloropropene	75	9.083	9.073	(1.300)	156167	20.0000	19
	36	1,1,2-Trichloroethane	97	9.307	9.309	(1.332)	106185	20.0000	20
	37	Tetrachloroethene	164	9.530	9.532	(0.900)	90063	20.0000	18
	38	2-Hexanone	43	9.629	9.632	(0.910)	123482	20.0000	20
	39	Dibromochloromethane	129	9.827	9.830	(1.406)	126852	20.0000	20
	40	1,2-Dibromoethane	107	9.976	9.979	(0.943)	122174	20.0000	20
*	42	Chlorobenzene-d5	117	10.584	10.586	(1.000)	1031232	50.0000	
	43	Chlorobenzene	112	10.621	10.624	(1.004)	319213	20.0000	19
	44	Ethylbenzene	106	10.757	10.760	(1.016)	159868	20.0000	19
	45	m,p-Xylene	106	10.906	10.909	(1.030)	389063	40.0000	37
	46	o-Xylene	106	11.402	11.405	(1.077)	192873	20.0000	19
	47	Styrene	104	11.415	11.417	(1.079)	260539	20.0000	19
	48	Bromoform	173	11.626	11.628	(1.664)	73493	20.0000	17
	49	Isopropylbenzene	105	11.861	11.851	(1.121)	447658	20.0000	18
$	50	Bromofluorobenzene	95	12.035	12.037	(1.137)	174540	20.0000	19
	51	1,1,2,2-Tetrachloroethane	83	12.196	12.198	(1.152)	158632	20.0000	19
M	41	Xylene (Total)	106				581937	20.0000	57
	52	1,3-Dichlorobenzene	146	13.324	13.315	(1.259)	245572	20.0000	19
	53	1,4-Dichlorobenzene	146	13.424	13.426	(1.268)	242822	20.0000	18
	54	1,2-Dichlorobenzene	146	13.845	13.848	(1.308)	233548	20.0000	19
	55	1,2-Dibromo-3-chloropropane	75	14.689	14.691	(1.388)	24614	20.0000	21
	56	1,2,4-Trichlorobenzene	180	15.606	15.609	(1.475)	154718	20.0000	19

KC
6/2/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\V1G7751.D
Date : 23-MAY-2005 20:54
Client ID: VSTD0501J
Instrument: V1.i
Sample Info: ,VSTD0501J,VSTD0501J,
Operator: LG/YD
Column phase: DB-624
Column diameter: 0.25



0149

Data File: V1G7751.D
Report Date: 25-May-2005 10:22

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\V1G7751.D
Lab Smp Id: VSTD0501J Client Smp ID: VSTD0501J
Inj Date : 23-MAY-2005 20:54
Operator : LG/YD Inst ID: V1.i
Smp Info : ,VSTD0501J,VSTD0501J,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\v1clp4h.m
Meth Date : 25-May-2005 10:22 mtl Quant Type: ISTD
Cal Date : 23-MAY-2005 20:54 Cal File: V1G7751.D
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.955	1.955	(0.335)	269039	50.0000	50
2	Chloromethane	50	2.117	2.117	(0.363)	469274	50.0000	50
3	Vinyl Chloride	62	2.278	2.278	(0.390)	422229	50.0000	50
4	Bromomethane	94	2.662	2.662	(0.456)	254578	50.0000	50
5	Chloroethane	64	2.774	2.774	(0.475)	231181	50.0000	50
6	Trichlorofluoromethane	101	3.133	3.133	(0.537)	295833	50.0000	50
7	1,1-Dichloroethene	96	3.667	3.667	(0.628)	243184	50.0000	50
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.704	3.704	(0.635)	270700	50.0000	50
9	Acetone	43	3.704	3.704	(0.635)	137135	50.0000	50
10	Carbon Disulfide	76	3.902	3.902	(0.669)	1250850	50.0000	50
11	Methyl Acetate	43	4.076	4.076	(0.698)	337079	50.0000	50
12	Methylene Chloride	84	4.188	4.188	(0.717)	393257	50.0000	50
13	trans-1,2-Dichloroethene	96	4.497	4.497	(0.771)	341687	50.0000	50
14	Methyl tert-Butyl Ether	73	4.510	4.510	(0.773)	910186	50.0000	50
15	1,1-Dichloroethane	63	4.944	4.944	(0.847)	642580	50.0000	50

Data File: V1G7751.D
Report Date: 25-May-2005 10:22

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16	2-Butanone	43	5.576	5.576	(0.955)	208238	50.0000	50
	17	cis-1,2-Dichloroethene	96	5.576	5.576	(0.955)	355446	50.0000	50
*	18	Bromochloromethane	128	5.837	5.837	(1.000)	237258	50.0000	
	19	Chloroform	83	5.924	5.924	(1.015)	535825	50.0000	50
	20	1,1,1-Trichloroethane	97	6.147	6.147	(0.881)	356700	50.0000	50
	21	Cyclohexane	56	6.234	6.234	(0.893)	652912	50.0000	50
	22	Carbon Tetrachloride	117	6.345	6.345	(0.909)	319488	50.0000	50
$	23	1,2-Dichloroethane-d4	65	6.482	6.482	(1.110)	336611	50.0000	50
	24	1,2-Dichloroethane	62	6.556	6.556	(1.123)	339791	50.0000	50
	25	Benzene	78	6.556	6.556	(0.940)	1380881	50.0000	50
*	26	1,4-Difluorobenzene	114	6.978	6.978	(1.000)	1252052	50.0000	
	27	Trichloroethene	130	7.300	7.300	(1.046)	354898	50.0000	50
	28	Methylcyclohexane	83	7.548	7.548	(1.082)	566771	50.0000	50
	29	1,2-Dichloropropane	63	7.548	7.548	(1.082)	389459	50.0000	50
	30	Bromodichloromethane	83	7.858	7.858	(1.126)	376445	50.0000	50
	31	cis-1,3-Dichloropropene	75	8.404	8.404	(1.204)	498936	50.0000	50
	32	4-Methyl-2-Pentanone	43	8.577	8.577	(0.810)	422699	50.0000	50
$	33	Toluene-d8	98	8.751	8.751	(0.827)	1248297	50.0000	50
	34	Toluene	91	8.825	8.825	(0.834)	1244514	50.0000	50
	35	trans-1,3-Dichloropropene	75	9.073	9.073	(1.300)	417562	50.0000	50
	36	1,1,2-Trichloroethane	97	9.309	9.309	(1.334)	255817	50.0000	50
	37	Tetrachloroethene	164	9.532	9.532	(0.900)	256349	50.0000	50
	38	2-Hexanone	43	9.632	9.632	(0.910)	286796	50.0000	50
	39	Dibromochloromethane	129	9.830	9.830	(1.409)	319192	50.0000	50
	40	1,2-Dibromoethane	107	9.979	9.979	(0.943)	303023	50.0000	50
*	42	Chlorobenzene-d5	117	10.586	10.586	(1.000)	1030311	50.0000	
	43	Chlorobenzene	112	10.624	10.624	(1.004)	844764	50.0000	50
	44	Ethylbenzene	106	10.760	10.760	(1.016)	422907	50.0000	50
	45	m,p-Xylene	106	10.909	10.909	(1.030)	1065003	100.000	100
	46	o-Xylene	106	11.405	11.405	(1.077)	512428	50.0000	50
	47	Styrene	104	11.417	11.417	(1.078)	691761	50.0000	50
	48	Bromoform	173	11.628	11.628	(1.666)	209656	50.0000	50
	49	Isopropylbenzene	105	11.851	11.851	(1.119)	1231236	50.0000	50
$	50	Bromofluorobenzene	95	12.037	12.037	(1.137)	476485	50.0000	50
	51	1,1,2,2-Tetrachloroethane	83	12.198	12.198	(1.152)	398932	50.0000	50
M	41	Xylene (Total)	106				1577431	50.0000	150
	52	1,3-Dichlorobenzene	146	13.315	13.315	(1.258)	634022	50.0000	50
	53	1,4-Dichlorobenzene	146	13.426	13.426	(1.268)	671971	50.0000	50
	54	1,2-Dichlorobenzene	146	13.848	13.848	(1.308)	617069	50.0000	50
	55	1,2-Dibromo-3-chloropropane	75	14.691	14.691	(1.388)	57641	50.0000	50
	56	1,2,4-Trichlorobenzene	180	15.609	15.609	(1.474)	412482	50.0000	50

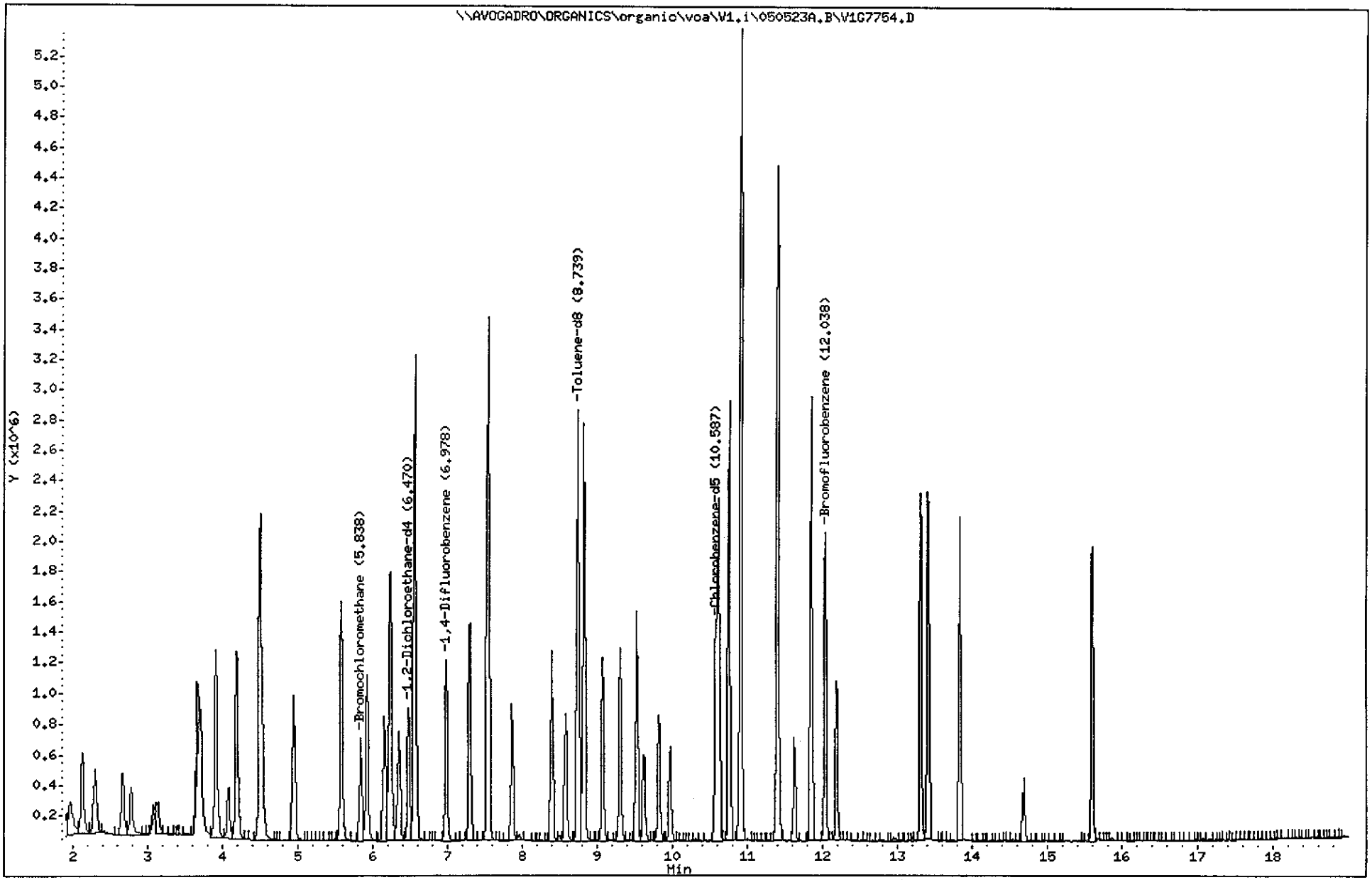
KC
6/2/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\V1G7754.D
Date : 23-MAY-2005 22:23
Client ID: VSTD1001J
Sample Info: ,VSTD1001J,VSTD1001J,

Instrument: V1.i

Operator: LG/YD
Column diameter: 0.25

Column phase: DB-624



0152

Data File: V1G7754.D
Report Date: 25-May-2005 10:28

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\V1G7754.D
Lab Smp Id: VSTD1001J Client Smp ID: VSTD1001J
Inj Date : 23-MAY-2005 22:23
Operator : LG/YD Inst ID: V1.i
Smp Info : ,VSTD1001J,VSTD1001J,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\v1clp4h.m
Meth Date : 25-May-2005 10:28 mtl Quant Type: ISTD
Cal Date : 23-MAY-2005 20:54 Cal File: V1G7751.D
Als bottle: 18 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.956	1.955	(0.335)	555302	100.000	110
2 Chloromethane	50	2.117	2.117	(0.363)	921049	100.000	98
3 Vinyl Chloride	62	2.291	2.278	(0.392)	838882	100.000	99
4 Bromomethane	94	2.651	2.662	(0.454)	454854	100.000	95
5 Chloroethane	64	2.775	2.774	(0.475)	433032	100.000	97
6 Trichlorofluoromethane	101	3.122	3.133	(0.535)	556095	100.000	110
7 1,1-Dichloroethene	96	3.655	3.667	(0.626)	462102	100.000	96
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.692	3.704	(0.632)	526516	100.000	110
9 Acetone	43	3.692	3.704	(0.632)	225592	100.000	90
10 Carbon Disulfide	76	3.903	3.902	(0.669)	2433425	100.000	99
11 Methyl Acetate	43	4.077	4.076	(0.698)	641963	100.000	93
12 Methylene Chloride	84	4.176	4.188	(0.715)	752720	100.000	92
13 trans-1,2-Dichloroethene	96	4.486	4.497	(0.768)	667556	100.000	98
14 Methyl tert-Butyl Ether	73	4.511	4.510	(0.773)	1781019	100.000	95
15 1,1-Dichloroethane	63	4.945	4.944	(0.847)	1248179	100.000	98

Data File: V1G7754.D
Report Date: 25-May-2005 10:28

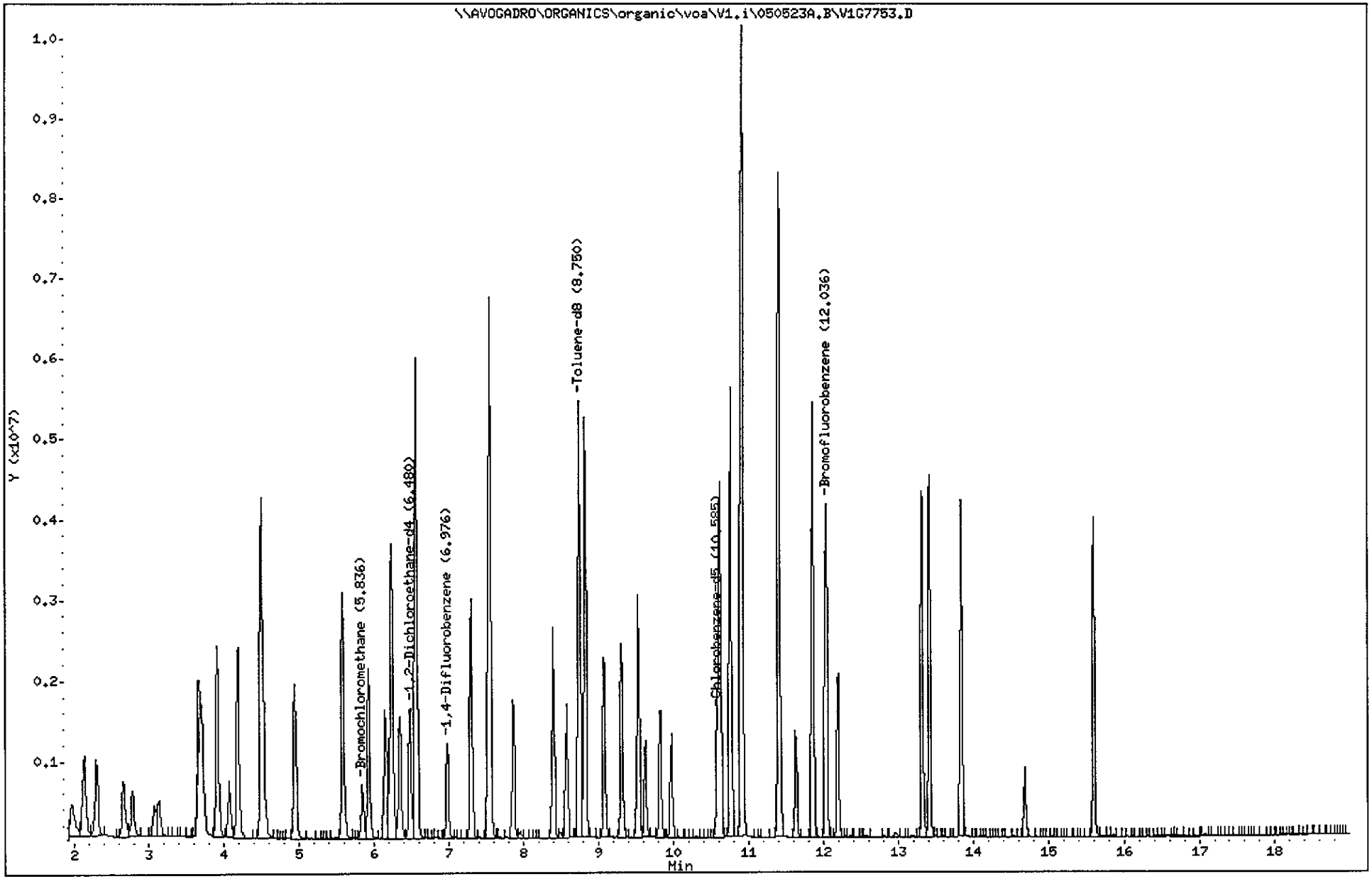
		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16	2-Butanone	43	5.577	5.576	(0.955)	414259	100.000	92
	17	cis-1,2-Dichloroethene	96	5.577	5.576	(0.955)	708196	100.000	97
*	18	Bromochloromethane	128	5.838	5.837	(1.000)	238200	50.0000	
	19	Chloroform	83	5.924	5.924	(1.015)	1021269	100.000	94
	20	1,1,1-Trichloroethane	97	6.148	6.147	(0.881)	690410	100.000	97
	21	Cyclohexane	56	6.234	6.234	(0.893)	1283257	100.000	100
	22	Carbon Tetrachloride	117	6.346	6.345	(0.909)	615608	100.000	100
$	23	1,2-Dichloroethane-d4	65	6.470	6.482	(1.108)	642857	100.000	96
	24	1,2-Dichloroethane	62	6.557	6.556	(1.123)	666609	100.000	98
	25	Benzene	78	6.557	6.556	(0.940)	2685326	100.000	98
*	26	1,4-Difluorobenzene	114	6.979	6.978	(1.000)	1226588	50.0000	
	27	Trichloroethene	130	7.301	7.300	(1.046)	694409	100.000	99
	28	Methylcyclohexane	83	7.537	7.548	(1.080)	1108912	100.000	110
	29	1,2-Dichloropropane	63	7.537	7.548	(1.080)	750453	100.000	96
	30	Bromodichloromethane	83	7.859	7.858	(1.126)	726001	100.000	97
	31	cis-1,3-Dichloropropene	75	8.405	8.404	(1.204)	959662	100.000	96
	32	4-Methyl-2-Pentanone	43	8.578	8.577	(0.810)	825457	100.000	92
$	33	Toluene-d8	98	8.739	8.751	(0.825)	2390187	100.000	97
	34	Toluene	91	8.826	8.825	(0.834)	2400948	100.000	97
	35	trans-1,3-Dichloropropene	75	9.074	9.073	(1.300)	798500	100.000	95
	36	1,1,2-Trichloroethane	97	9.310	9.309	(1.334)	510775	100.000	96
	37	Tetrachloroethene	164	9.533	9.532	(0.900)	480007	100.000	97
	38	2-Hexanone	43	9.620	9.632	(0.909)	562220	100.000	95
	39	Dibromochloromethane	129	9.818	9.830	(1.407)	632062	100.000	97
	40	1,2-Dibromoethane	107	9.979	9.979	(0.943)	582658	100.000	96
*	42	Chlorobenzene-d5	117	10.587	10.586	(1.000)	1015093	50.0000	
	43	Chlorobenzene	112	10.624	10.624	(1.004)	1634851	100.000	96
	44	Ethylbenzene	106	10.761	10.760	(1.016)	818109	100.000	98
	45	m,p-Xylene	106	10.910	10.909	(1.030)	2041277	200.000	190
	46	o-Xylene	106	11.406	11.405	(1.077)	992047	100.000	97
	47	Styrene	104	11.418	11.417	(1.078)	1366740	100.000	98
	48	Bromoform	173	11.629	11.628	(1.666)	418563	100.000	97
	49	Isopropylbenzene	105	11.852	11.851	(1.119)	2414560	100.000	99
$	50	Bromofluorobenzene	95	12.038	12.037	(1.137)	904319	100.000	97
	51	1,1,2,2-Tetrachloroethane	83	12.187	12.198	(1.151)	772062	100.000	95
M	41	Xylene (Total)	106				3033324	100.000	300
	52	1,3-Dichlorobenzene	146	13.315	13.315	(1.258)	1257832	100.000	98
	53	1,4-Dichlorobenzene	146	13.427	13.426	(1.268)	1284202	100.000	97
	54	1,2-Dichlorobenzene	146	13.849	13.848	(1.308)	1191668	100.000	97
	55	1,2-Dibromo-3-chloropropane	75	14.692	14.691	(1.388)	105227	100.000	93
	56	1,2,4-Trichlorobenzene	180	15.609	15.609	(1.474)	797350	100.000	97

KL
6/2/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\V1G7753.D
Date : 23-MAY-2005 21:53
Client ID: VSTD2001J
Sample Info: ,VSTD2001J,VSTD2001J,

Instrument: V1.i

Operator: LG/YD
Column phase: DB-624
Column diameter: 0.25



0155

Data File: V1G7753.D
Report Date: 25-May-2005 10:28

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\V1G7753.D
Lab Smp Id: VSTD2001J Client Smp ID: VSTD2001J
Inj Date : 23-MAY-2005 21:53
Operator : LG/YD Inst ID: V1.i
Smp Info : ,VSTD2001J,VSTD2001J,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\v1clp4h.m
Meth Date : 25-May-2005 10:28 mtl Quant Type: ISTD
Cal Date : 23-MAY-2005 20:54 Cal File: V1G7751.D
Als bottle: 17 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.954	1.955	(0.335)	1119848	200.000	230(A)
2 Chloromethane	50	2.128	2.117	(0.365)	1830174	200.000	190
3 Vinyl Chloride	62	2.289	2.278	(0.392)	1673796	200.000	200
4 Bromomethane	94	2.648	2.662	(0.454)	797010	200.000	170
5 Chloroethane	64	2.773	2.774	(0.475)	814152	200.000	180
6 Trichlorofluoromethane	101	3.132	3.133	(0.537)	798719	200.000	160
7 1,1-Dichloroethene	96	3.653	3.667	(0.626)	931943	200.000	190
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.690	3.704	(0.632)	1040962	200.000	220(A)
9 Acetone	43	3.703	3.704	(0.634)	400215	200.000	160
10 Carbon Disulfide	76	3.901	3.902	(0.668)	4842297	200.000	200
11 Methyl Acetate	43	4.075	4.076	(0.698)	1279122	200.000	180
12 Methylene Chloride	84	4.186	4.188	(0.717)	1475375	200.000	180
13 trans-1,2-Dichloroethene	96	4.496	4.497	(0.770)	1307044	200.000	190
14 Methyl tert-Butyl Ether	73	4.509	4.510	(0.773)	3564082	200.000	190
15 1,1-Dichloroethane	63	4.943	4.944	(0.847)	2451748	200.000	190

Data File: V1G7753.D
Report Date: 25-May-2005 10:28

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 2-Butanone	43	5.575	5.576	(0.955)	844560	200.000	180
	17 cis-1,2-Dichloroethene	96	5.575	5.576	(0.955)	1378898	200.000	190
*	18 Bromochloromethane	128	5.835	5.837	(1.000)	235961	50.0000	
	19 Chloroform	83	5.922	5.924	(1.015)	2023222	200.000	190
	20 1,1,1-Trichloroethane	97	6.146	6.147	(0.881)	1362315	200.000	190
	21 Cyclohexane	56	6.232	6.234	(0.893)	2555640	200.000	210(A)
	22 Carbon Tetrachloride	117	6.344	6.345	(0.909)	1247499	200.000	200(A)
$	23 1,2-Dichloroethane-d4	65	6.480	6.482	(1.111)	1246589	200.000	180
	24 1,2-Dichloroethane	62	6.555	6.556	(1.123)	1268881	200.000	190
	25 Benzene	78	6.555	6.556	(0.940)	5214665	200.000	190
*	26 1,4-Difluorobenzene	114	6.976	6.978	(1.000)	1214538	50.0000	
	27 Trichloroethene	130	7.299	7.300	(1.046)	1363583	200.000	200
	28 Methylcyclohexane	83	7.547	7.548	(1.082)	2164484	200.000	220(A)
	29 1,2-Dichloropropane	63	7.547	7.548	(1.082)	1467732	200.000	190
	30 Bromodichloromethane	83	7.857	7.858	(1.126)	1439516	200.000	190
	31 cis-1,3-Dichloropropene	75	8.402	8.404	(1.204)	1917268	200.000	190
	32 4-Methyl-2-Pentanone	43	8.576	8.577	(0.810)	1652164	200.000	180
$	33 Toluene-d8	98	8.750	8.751	(0.827)	4599115	200.000	190
	34 Toluene	91	8.824	8.825	(0.834)	4723471	200.000	190
	35 trans-1,3-Dichloropropene	75	9.072	9.073	(1.300)	1608652	200.000	190
	36 1,1,2-Trichloroethane	97	9.308	9.309	(1.334)	1020268	200.000	190
	37 Tetrachloroethene	164	9.531	9.532	(0.900)	949948	200.000	190
	38 2-Hexanone	43	9.630	9.632	(0.910)	1142403	200.000	190
	39 Dibromochloromethane	129	9.829	9.830	(1.409)	1231692	200.000	190
	40 1,2-Dibromoethane	107	9.977	9.979	(0.943)	1170189	200.000	190
*	42 Chlorobenzene-d5	117	10.585	10.586	(1.000)	989786	50.0000	
	43 Chlorobenzene	112	10.622	10.624	(1.004)	3188837	200.000	190
	44 Ethylbenzene	106	10.759	10.760	(1.016)	1621442	200.000	200
	45 m,p-Xylene	106	10.907	10.909	(1.030)	3937156	400.000	380
	46 o-Xylene	106	11.404	11.405	(1.077)	1941962	200.000	190
	47 Styrene	104	11.416	11.417	(1.078)	2643628	200.000	190
	48 Bromoform	173	11.627	11.628	(1.667)	830525	200.000	190
	49 Isopropylbenzene	105	11.850	11.851	(1.119)	4771565	200.000	200
$	50 Bromofluorobenzene	95	12.036	12.037	(1.137)	1734144	200.000	190
	51 1,1,2,2-Tetrachloroethane	83	12.197	12.198	(1.152)	1525544	200.000	190
M	41 Xylene (Total)	106				5879119	200.000	590
	52 1,3-Dichlorobenzene	146	13.326	13.315	(1.259)	2456616	200.000	190
	53 1,4-Dichlorobenzene	146	13.425	13.426	(1.268)	2517993	200.000	190
	54 1,2-Dichlorobenzene	146	13.846	13.848	(1.308)	2335450	200.000	190
	55 1,2-Dibromo-3-chloropropane	75	14.690	14.691	(1.388)	215006	200.000	190
	56 1,2,4-Trichlorobenzene	180	15.607	15.609	(1.474)	1573977	200.000	190

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

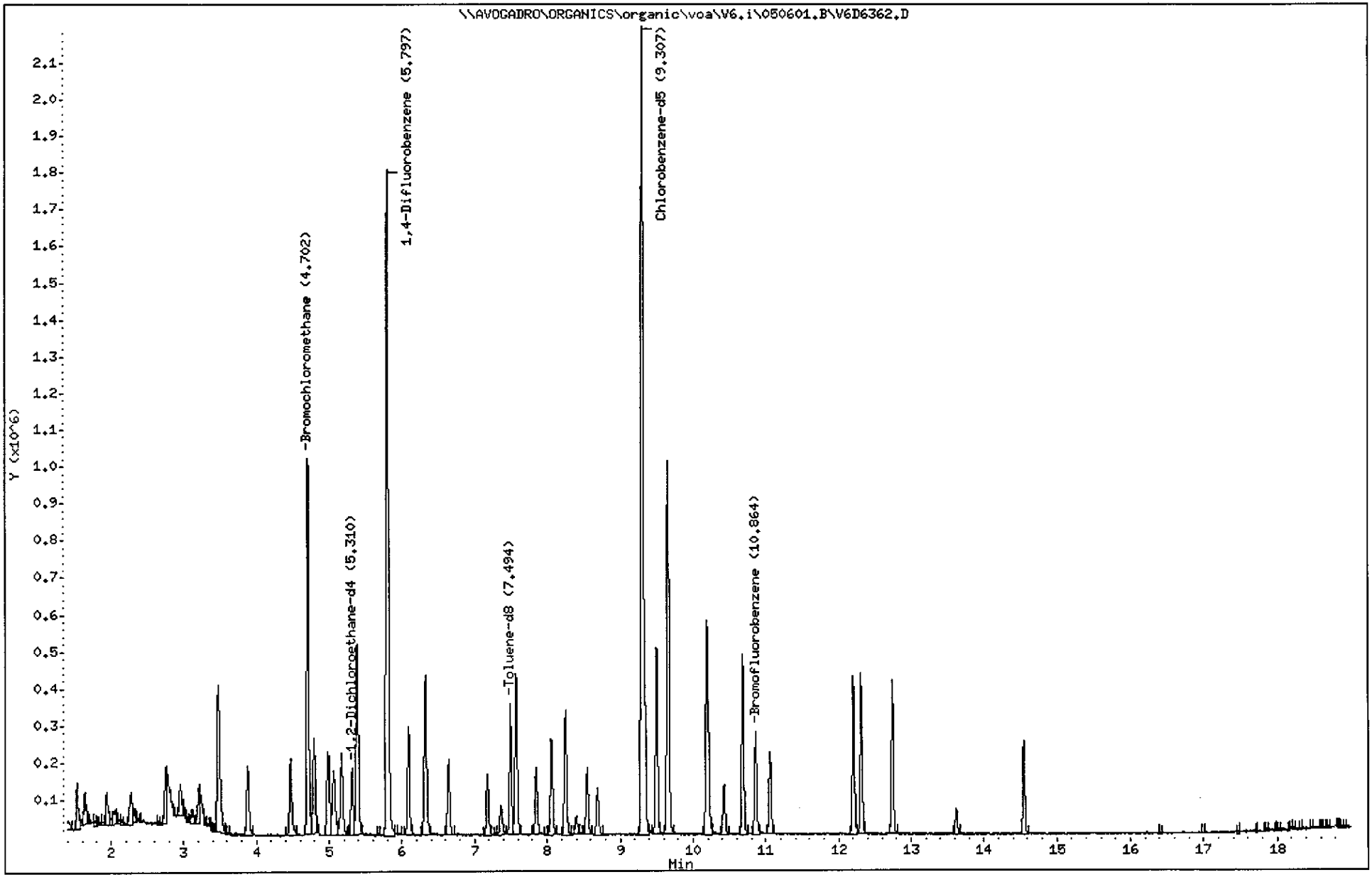
KC
6/2/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6362.D
Date : 01-JUN-2005 10:39
Client ID: VSTD0106Q
Sample Info: ,VSTD0106Q,VSTD0106Q
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25

COPY
Original Documents Are Included in CSF
Signed: _____ Date: _____



0158

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6362.D
Report Date: 01-Jun-2005 12:38

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6362.D
Lab Smp Id: VSTD0106Q Client Smp ID: VSTD0106Q
Inj Date : 01-JUN-2005 10:39
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0106Q,VSTD0106Q
Misc Info : ,1,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\v6clp4s.m
Meth Date : 01-Jun-2005 12:38 mtl Quant Type: ISTD
Cal Date : 01-JUN-2005 10:12 Cal File: V6D6361.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.368	1.372	(0.291)	117436	10.0000	9(a)
2	Chloromethane	50	1.526	1.530	(0.324)	113671	10.0000	10
3	Vinyl Chloride	62	1.636	1.628	(0.347)	102266	10.0000	9(a)
4	Bromomethane	94	1.940	1.938	(0.412)	73378	10.0000	10
5	Chloroethane	64	2.050	2.035	(0.435)	52413	10.0000	10
6	Trichlorofluoromethane	101	2.281	2.266	(0.484)	106869	10.0000	8(a)
7	1,1-Dichloroethene	96	2.761	2.747	(0.587)	63853	10.0000	7(a)
9	Acetone	43	2.786	2.790	(0.592)	35971	10.0000	9(a)
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.761	2.771	(0.587)	70017	10.0000	9(a)
10	Carbon Disulfide	76	2.956	2.954	(0.628)	263096	10.0000	10
11	Methyl Acetate	43	3.114	3.112	(0.661)	54674	10.0000	10
12	Methylene Chloride	84	3.211	3.203	(0.682)	99806	10.0000	10
13	trans-1,2-Dichloroethene	96	3.473	3.471	(0.738)	109867	10.0000	10
14	Methyl tert-Butyl Ether	73	3.491	3.483	(0.742)	257259	10.0000	10
15	1,1-Dichloroethane	63	3.881	3.872	(0.824)	208725	10.0000	10
16	2-Butanone	43	4.483	4.481	(0.952)	45863	10.0000	9(a)

COPY
Original Documents Are Included in CSF_____
Signed:_____ Date:_____

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6362.D
Report Date: 01-Jun-2005 12:38

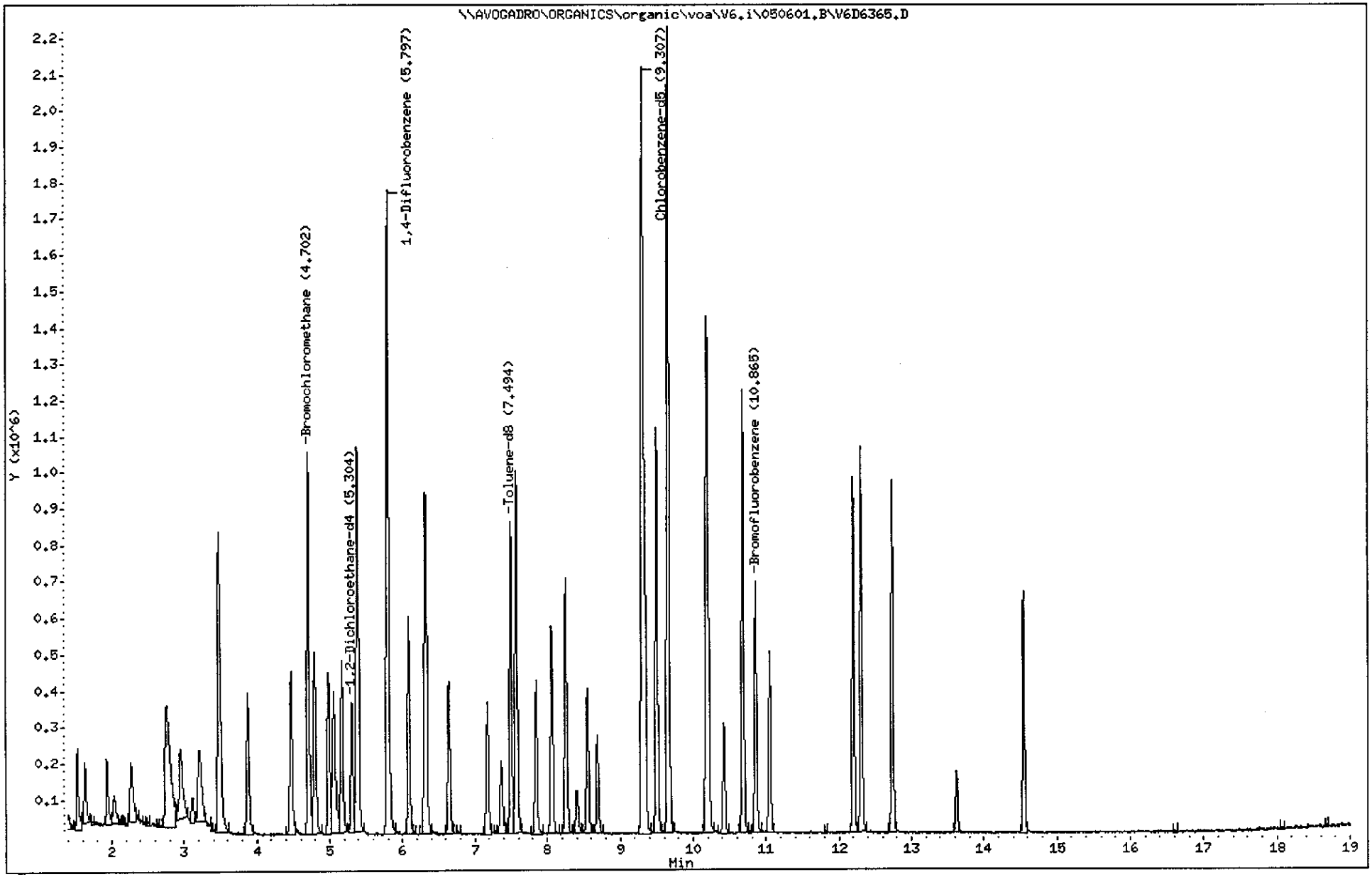
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.465	4.463	(0.948)	93265	10.0000	9(a)
*	18 Bromochloromethane	128	4.708	4.700	(1.000)	320217	50.0000	
	19 Chloroform	83	4.793	4.791	(1.018)	229128	10.0000	10
	20 1,1,1-Trichloroethane	97	4.988	4.986	(0.860)	178589	10.0000	10
	21 Cyclohexane	56	5.061	5.053	(0.873)	92625	10.0000	7(a)
	22 Carbon Tetrachloride	117	5.170	5.162	(0.892)	166196	10.0000	9(a)
$	23 1,2-Dichloroethane-d4	65	5.310	5.302	(1.128)	162965	10.0000	9(a)
	25 Benzene	78	5.377	5.375	(0.928)	346972	10.0000	9(a)
	24 1,2-Dichloroethane	62	5.389	5.381	(1.145)	212045	10.0000	10
*	26 1,4-Difluorobenzene	114	5.797	5.795	(1.000)	1507267	50.0000	
	27 Trichloroethene	130	6.089	6.087	(1.050)	114055	10.0000	9(a)
	28 Methylcyclohexane	83	6.302	6.312	(1.087)	90278	10.0000	8(a)
	29 1,2-Dichloropropane	63	6.326	6.324	(1.091)	104386	10.0000	10
	30 Bromodichloromethane	83	6.643	6.640	(1.146)	157362	10.0000	10
	31 cis-1,3-Dichloropropene	75	7.172	7.164	(1.237)	107192	10.0000	8(a)
	32 4-Methyl-2-Pentanone	43	7.366	7.358	(0.791)	70204	10.0000	8(a)
$	33 Toluene-d8	98	7.494	7.492	(0.805)	284042	10.0000	8(a)
	34 Toluene	91	7.573	7.571	(0.814)	384116	10.0000	9(a)
	35 trans-1,3-Dichloropropene	75	7.847	7.839	(1.354)	122913	10.0000	8(a)
	36 1,1,2-Trichloroethane	97	8.066	8.064	(1.391)	96674	10.0000	9(a)
	37 Tetrachloroethene	164	8.255	8.259	(0.887)	99438	10.0000	9(a)
	38 2-Hexanone	43	8.401	8.393	(0.903)	44948	10.0000	7(a)
	39 Dibromochloromethane	129	8.553	8.551	(1.475)	121988	10.0000	9(a)
	40 1,2-Dibromoethane	107	8.693	8.684	(0.934)	103402	10.0000	9(a)
*	42 Chlorobenzene-d5	117	9.307	9.305	(1.000)	1457062	50.0000	
	43 Chlorobenzene	112	9.344	9.341	(1.004)	297005	10.0000	9(a)
	44 Ethylbenzene	106	9.502	9.500	(1.021)	133929	10.0000	8(a)
	45 m,p-Xylene	106	9.666	9.664	(1.039)	364026	20.0000	18
	46 o-Xylene	106	10.189	10.187	(1.095)	140460	10.0000	8(a)
	47 Styrene	104	10.207	10.205	(1.097)	187354	10.0000	8(a)
	48 Bromoform	173	10.426	10.424	(1.799)	80511	10.0000	9(a)
	49 Isopropylbenzene	105	10.682	10.680	(1.148)	364601	10.0000	8(a)
$	50 Bromofluorobenzene	95	10.864	10.862	(1.167)	118511	10.0000	8(a)
	51 1,1,2,2-Tetrachloroethane	83	11.059	11.051	(1.188)	119644	10.0000	9(a)
M	41 Xylene (Total)	106				504486	10.0000	26
	52 1,3-Dichlorobenzene	146	12.203	12.207	(1.311)	204003	10.0000	8(a)
	53 1,4-Dichlorobenzene	146	12.312	12.310	(1.323)	215548	10.0000	8(a)
	54 1,2-Dichlorobenzene	146	12.738	12.742	(1.369)	212182	10.0000	8(a)
	55 1,2-Dibromo-3-chloropropane	75	13.626	13.624	(1.464)	22067	10.0000	8(a)
	56 1,2,4-Trichlorobenzene	180	14.551	14.549	(1.563)	85506	10.0000	6(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

6/1/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6365.D
Date : 01-JUN-2005 12:02
Client ID: VSTD0206Q
Instrument: V6.i
Sample Info: ,VSTD0206Q,VSTD0206Q
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0161

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6365.D
Report Date: 01-Jun-2005 12:38

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6365.D
Lab Smp Id: VSTD0206Q Client Smp ID: VSTD0206Q
Inj Date : 01-JUN-2005 12:02
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0206Q,VSTD0206Q
Misc Info : ,1,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\v6clp4s.m
Meth Date : 01-Jun-2005 12:38 mtl Quant Type: ISTD
Cal Date : 01-JUN-2005 10:12 Cal File: V6D6361.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

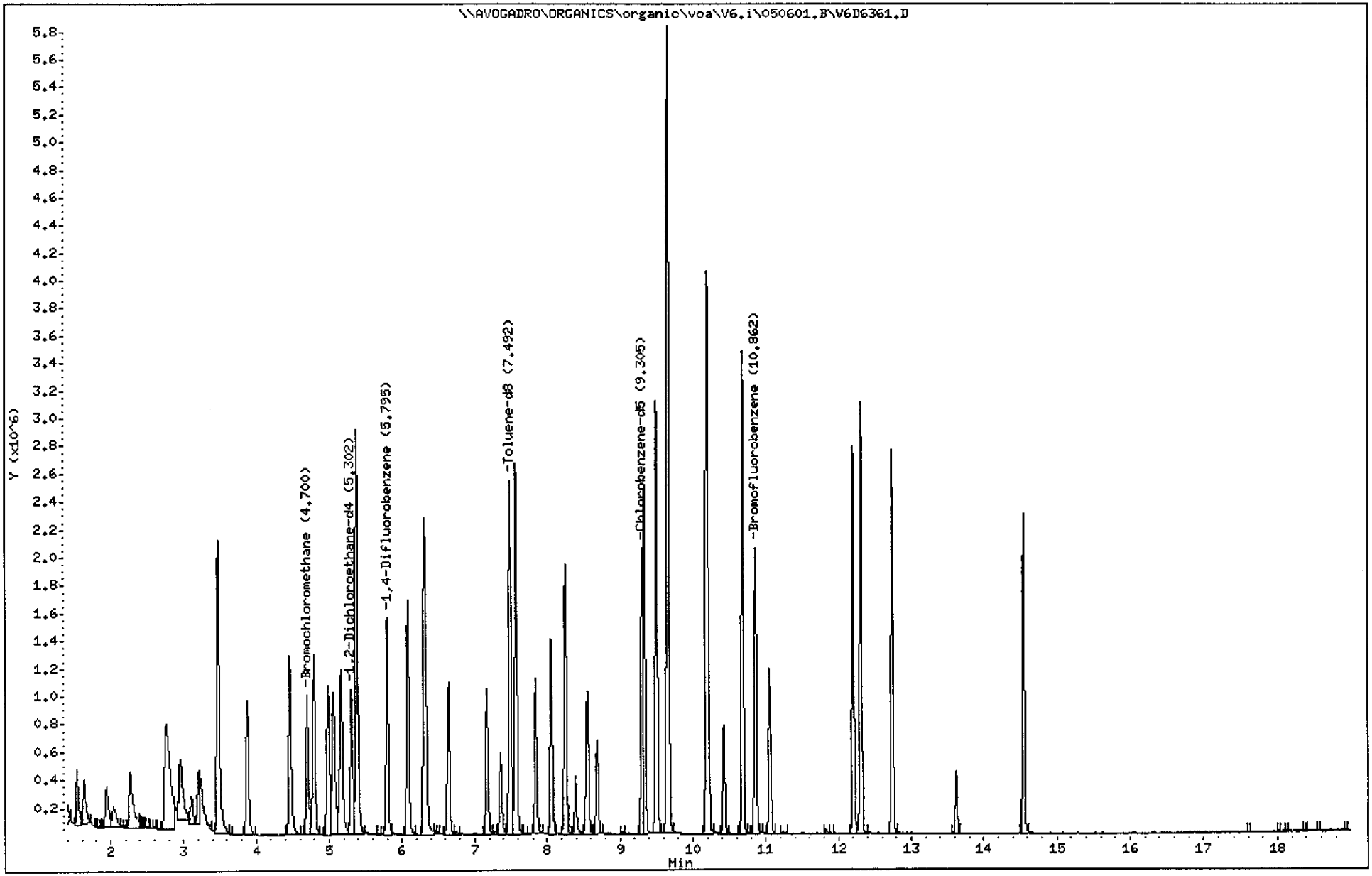
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.368	1.372	(0.291)	264715	20.0000	21
2 Chloromethane	50	1.527	1.530	(0.325)	221344	20.0000	20
3 Vinyl Chloride	62	1.630	1.628	(0.347)	217262	20.0000	20
4 Bromomethane	94	1.934	1.938	(0.411)	147754	20.0000	20
5 Chloroethane	64	2.031	2.035	(0.432)	105605	20.0000	19
6 Trichlorofluoromethane	101	2.263	2.266	(0.481)	273336	20.0000	19
7 1,1-Dichloroethene	96	2.749	2.747	(0.585)	179879	20.0000	20
9 Acetone	43	2.804	2.790	(0.596)	70801	20.0000	18
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.774	2.771	(0.590)	154454	20.0000	20
10 Carbon Disulfide	76	2.950	2.954	(0.627)	524720	20.0000	19
11 Methyl Acetate	43	3.120	3.112	(0.664)	107331	20.0000	18
12 Methylene Chloride	84	3.206	3.203	(0.682)	198595	20.0000	20
13 trans-1,2-Dichloroethene	96	3.473	3.471	(0.739)	223830	20.0000	20
14 Methyl tert-Butyl Ether	73	3.485	3.483	(0.741)	574676	20.0000	21
15 1,1-Dichloroethane	63	3.875	3.872	(0.824)	427211	20.0000	20
16 2-Butanone	43	4.483	4.481	(0.953)	100178	20.0000	19

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6365.D
Report Date: 01-Jun-2005 12:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.465	4.463	(0.950)	190166	20.0000	18
*	18 Bromochloromethane	128	4.702	4.700	(1.000)	324886	50.0000	
	19 Chloroform	83	4.793	4.791	(1.019)	446418	20.0000	19
	20 1,1,1-Trichloroethane	97	4.988	4.986	(0.860)	365589	20.0000	20
	21 Cyclohexane	56	5.055	5.053	(0.872)	230356	20.0000	18
	22 Carbon Tetrachloride	117	5.164	5.162	(0.891)	361735	20.0000	20
$	23 1,2-Dichloroethane-d4	65	5.310	5.302	(1.129)	330478	20.0000	18
	25 Benzene	78	5.377	5.375	(0.928)	730750	20.0000	19
	24 1,2-Dichloroethane	62	5.390	5.381	(1.146)	428165	20.0000	20
*	26 1,4-Difluorobenzene	114	5.797	5.795	(1.000)	1496877	50.0000	
	27 Trichloroethene	130	6.089	6.087	(1.050)	237637	20.0000	19
	28 Methylcyclohexane	83	6.308	6.312	(1.088)	221878	20.0000	19
	29 1,2-Dichloropropane	63	6.326	6.324	(1.091)	217646	20.0000	20
	30 Bromodichloromethane	83	6.643	6.640	(1.146)	328871	20.0000	20
	31 cis-1,3-Dichloropropene	75	7.166	7.164	(1.236)	237947	20.0000	18
	32 4-Methyl-2-Pentanone	43	7.361	7.358	(0.791)	171907	20.0000	20
$	33 Toluene-d8	98	7.494	7.492	(0.805)	686787	20.0000	19
	34 Toluene	91	7.574	7.571	(0.814)	843217	20.0000	20
	35 trans-1,3-Dichloropropene	75	7.841	7.839	(1.353)	285636	20.0000	19
	36 1,1,2-Trichloroethane	97	8.066	8.064	(1.391)	217107	20.0000	21
	37 Tetrachloroethene	164	8.255	8.259	(0.887)	204677	20.0000	19
	38 2-Hexanone	43	8.407	8.393	(0.903)	109096	20.0000	18
	39 Dibromochloromethane	129	8.553	8.551	(1.475)	264508	20.0000	20
	40 1,2-Dibromoethane	107	8.693	8.684	(0.934)	224185	20.0000	20
*	42 Chlorobenzene-d5	117	9.307	9.305	(1.000)	1465268	50.0000	
	43 Chlorobenzene	112	9.344	9.341	(1.004)	630378	20.0000	20
	44 Ethylbenzene	106	9.502	9.500	(1.021)	296687	20.0000	19
	45 m,p-Xylene	106	9.660	9.664	(1.038)	773732	40.0000	38
	46 o-Xylene	106	10.189	10.187	(1.095)	346509	20.0000	19
	47 Styrene	104	10.202	10.205	(1.096)	460136	20.0000	19
	48 Bromoform	173	10.421	10.424	(1.798)	179374	20.0000	20
	49 Isopropylbenzene	105	10.682	10.680	(1.148)	866018	20.0000	18
$	50 Bromofluorobenzene	95	10.859	10.862	(1.167)	275162	20.0000	18
	51 1,1,2,2-Tetrachloroethane	83	11.053	11.051	(1.188)	274936	20.0000	21
M	41 Xylene (Total)	106				1120241	20.0000	57
	52 1,3-Dichlorobenzene	146	12.203	12.207	(1.311)	472993	20.0000	19
	53 1,4-Dichlorobenzene	146	12.313	12.310	(1.323)	514348	20.0000	19
	54 1,2-Dichlorobenzene	146	12.744	12.742	(1.369)	471791	20.0000	19
	55 1,2-Dibromo-3-chloropropane	75	13.620	13.624	(1.463)	53655	20.0000	20
	56 1,2,4-Trichlorobenzene	180	14.551	14.549	(1.563)	233549	20.0000	17

SB
6/1/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6361.D
Date : 01-JUN-2005 10:12
Client ID: VSTD0506Q
Instrument: V6.i
Sample Info: ,VSTD0506Q,VSTD0506Q
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6361.D
Report Date: 01-Jun-2005 12:38

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6361.D
Lab Smp Id: VSTD0506Q Client Smp ID: VSTD0506Q
Inj Date : 01-JUN-2005 10:12
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0506Q,VSTD0506Q
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\v6clp4s.m
Meth Date : 01-Jun-2005 12:38 mtl Quant Type: ISTD
Cal Date : 01-JUN-2005 10:12 Cal File: V6D6361.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.372	1.372	(0.292)	643739	50.0000	54
2 Chloromethane	50	1.530	1.530	(0.326)	539647	50.0000	52
3 Vinyl Chloride	62	1.628	1.628	(0.346)	536061	50.0000	52
4 Bromomethane	94	1.938	1.938	(0.412)	352990	50.0000	52
5 Chloroethane	64	2.035	2.035	(0.433)	277035	50.0000	54
6 Trichlorofluoromethane	101	2.266	2.266	(0.482)	808120	50.0000	60
7 1,1-Dichloroethene	96	2.747	2.747	(0.584)	450872	50.0000	55
9 Acetone	43	2.790	2.790	(0.594)	235404	50.0000	63
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.771	2.771	(0.590)	399526	50.0000	55
10 Carbon Disulfide	76	2.954	2.954	(0.629)	1386610	50.0000	54
11 Methyl Acetate	43	3.112	3.112	(0.662)	302867	50.0000	56
12 Methylene Chloride	84	3.203	3.203	(0.682)	464282	50.0000	51
13 trans-1,2-Dichloroethene	96	3.471	3.471	(0.739)	573503	50.0000	55
14 Methyl tert-Butyl Ether	73	3.483	3.483	(0.741)	1324485	50.0000	52
15 1,1-Dichloroethane	63	3.872	3.872	(0.824)	1079068	50.0000	54
16 2-Butanone	43	4.481	4.481	(0.953)	277940	50.0000	58

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6361.D
Report Date: 01-Jun-2005 12:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.463	4.463	(0.950)	542582	50.0000	55
*	18 Bromochloromethane	128	4.700	4.700	(1.000)	300788	50.0000	
	19 Chloroform	83	4.791	4.791	(1.019)	1168793	50.0000	55
	20 1,1,1-Trichloroethane	97	4.986	4.986	(0.860)	905382	50.0000	53
	21 Cyclohexane	56	5.053	5.053	(0.872)	731988	50.0000	60
	22 Carbon Tetrachloride	117	5.162	5.162	(0.891)	912667	50.0000	54
$	23 1,2-Dichloroethane-d4	65	5.302	5.302	(1.128)	938615	50.0000	56
	25 Benzene	78	5.375	5.375	(0.928)	2026947	50.0000	57
	24 1,2-Dichloroethane	62	5.381	5.381	(1.145)	1090985	50.0000	55
*	26 1,4-Difluorobenzene	114	5.795	5.795	(1.000)	1403800	50.0000	
	27 Trichloroethene	130	6.087	6.087	(1.050)	651726	50.0000	56
	28 Methylcyclohexane	83	6.312	6.312	(1.089)	621594	50.0000	56
	29 1,2-Dichloropropane	63	6.324	6.324	(1.091)	558717	50.0000	55
	30 Bromodichloromethane	83	6.640	6.640	(1.146)	843254	50.0000	55
	31 cis-1,3-Dichloropropene	75	7.164	7.164	(1.236)	688509	50.0000	54
	32 4-Methyl-2-Pentanone	43	7.358	7.358	(0.791)	473465	50.0000	58
$	33 Toluene-d8	98	7.492	7.492	(0.805)	1981151	50.0000	58
	34 Toluene	91	7.571	7.571	(0.814)	2300727	50.0000	57
	35 trans-1,3-Dichloropropene	75	7.839	7.839	(1.353)	747072	50.0000	53
	36 1,1,2-Trichloroethane	97	8.064	8.064	(1.392)	524267	50.0000	54
	37 Tetrachloroethene	164	8.259	8.259	(0.888)	544565	50.0000	55
	38 2-Hexanone	43	8.393	8.393	(0.902)	319559	50.0000	57
	39 Dibromochloromethane	129	8.551	8.551	(1.476)	698601	50.0000	56
	40 1,2-Dibromoethane	107	8.684	8.684	(0.933)	561266	50.0000	53
*	42 Chlorobenzene-d5	117	9.305	9.305	(1.000)	1361255	50.0000	
	43 Chlorobenzene	112	9.341	9.341	(1.004)	1646396	50.0000	56
	44 Ethylbenzene	106	9.500	9.500	(1.021)	851560	50.0000	57
	45 m,p-Xylene	106	9.664	9.664	(1.039)	2149403	100.000	110
	46 o-Xylene	106	10.187	10.187	(1.095)	1019673	50.0000	59
	47 Styrene	104	10.205	10.205	(1.097)	1315912	50.0000	58
	48 Bromoform	173	10.424	10.424	(1.799)	466048	50.0000	55
	49 Isopropylbenzene	105	10.680	10.680	(1.148)	2642584	50.0000	59
$	50 Bromofluorobenzene	95	10.862	10.862	(1.167)	831400	50.0000	58
	51 1,1,2,2-Tetrachloroethane	83	11.051	11.051	(1.188)	624910	50.0000	52
M	41 Xylene (Total)	106				3169076	50.0000	170
	52 1,3-Dichlorobenzene	146	12.207	12.207	(1.312)	1345807	50.0000	57
	53 1,4-Dichlorobenzene	146	12.310	12.310	(1.323)	1436122	50.0000	57
	54 1,2-Dichlorobenzene	146	12.742	12.742	(1.369)	1305975	50.0000	56
	55 1,2-Dibromo-3-chloropropane	75	13.624	13.624	(1.464)	134026	50.0000	53
	56 1,2,4-Trichlorobenzene	180	14.549	14.549	(1.564)	739748	50.0000	57

SB 6/1/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6364.D
Date : 01-JUN-2005 11:34
Client ID: VSTD1006Q
Instrument: V6.i
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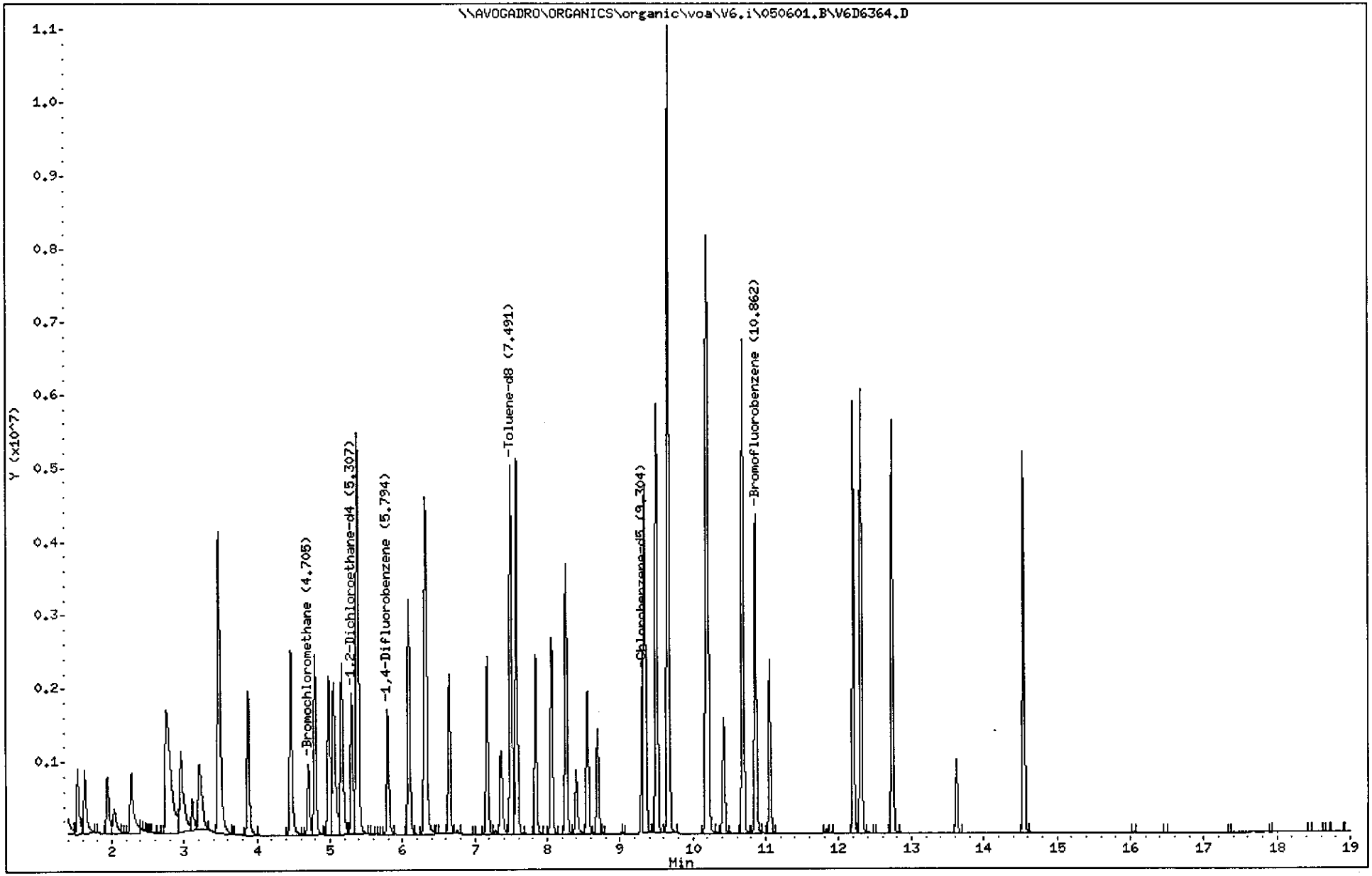
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0167

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6364.D
Report Date: 01-Jun-2005 12:38

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6364.D
Lab Smp Id: VSTD1006Q Client Smp ID: VSTD1006Q
Inj Date : 01-JUN-2005 11:34
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD1006Q,VSTD1006Q
Misc Info : ,1,4
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\v6clp4s.m
Meth Date : 01-Jun-2005 12:38 mtl Quant Type: ISTD
Cal Date : 01-JUN-2005 10:12 Cal File: V6D6361.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

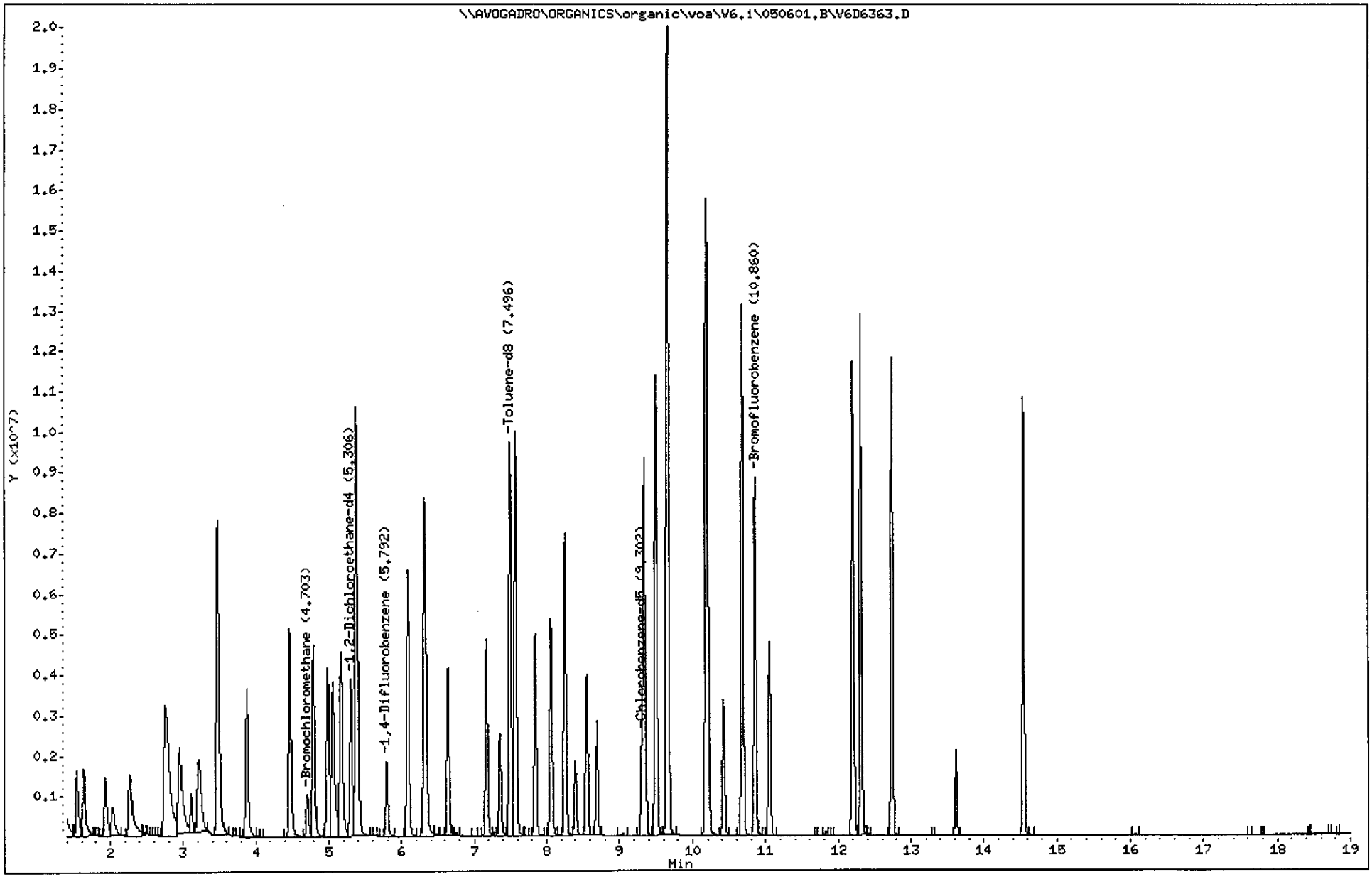
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.371	1.372	(0.291)	1287966	100.000	100
2 Chloromethane	50	1.530	1.530	(0.325)	1097019	100.000	100
3 Vinyl Chloride	62	1.627	1.628	(0.346)	1161741	100.000	110
4 Bromomethane	94	1.937	1.938	(0.412)	701919	100.000	100
5 Chloroethane	64	2.035	2.035	(0.432)	533689	100.000	100
6 Trichlorofluoromethane	101	2.272	2.266	(0.483)	1518620	100.000	110
7 1,1-Dichloroethene	96	2.752	2.747	(0.585)	955417	100.000	110
9 Acetone	43	2.789	2.790	(0.593)	374932	100.000	97
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.777	2.771	(0.590)	832079	100.000	110
10 Carbon Disulfide	76	2.953	2.954	(0.628)	2801300	100.000	100
11 Methyl Acetate	43	3.111	3.112	(0.661)	573801	100.000	100
12 Methylene Chloride	84	3.215	3.203	(0.683)	933560	100.000	99
13 trans-1,2-Dichloroethene	96	3.470	3.471	(0.738)	1080687	100.000	100
14 Methyl tert-Butyl Ether	73	3.488	3.483	(0.741)	2663118	100.000	100
15 1,1-Dichloroethane	63	3.878	3.872	(0.824)	2118952	100.000	100
16 2-Butanone	43	4.480	4.481	(0.952)	499029	100.000	100

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6364.D
Report Date: 01-Jun-2005 12:38

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	17	cis-1,2-Dichloroethene	96	4.462	4.463	(0.948)	1078604	100.000	110
*	18	Bromochloromethane	128	4.705	4.700	(1.000)	310813	50.0000	
	19	Chloroform	83	4.790	4.791	(1.018)	2215679	100.000	100
	20	1,1,1-Trichloroethane	97	4.985	4.986	(0.860)	1822100	100.000	100
	21	Cyclohexane	56	5.058	5.053	(0.873)	1452173	100.000	120
	22	Carbon Tetrachloride	117	5.167	5.162	(0.892)	1808661	100.000	110
$	23	1,2-Dichloroethane-d4	65	5.307	5.302	(1.128)	1790279	100.000	100
	25	Benzene	78	5.374	5.375	(0.928)	3835306	100.000	110
	24	1,2-Dichloroethane	62	5.386	5.381	(1.145)	2057732	100.000	100
*	26	1,4-Difluorobenzene	114	5.794	5.795	(1.000)	1434097	50.0000	
	27	Trichloroethene	130	6.086	6.087	(1.050)	1241917	100.000	110
	28	Methylcyclohexane	83	6.311	6.312	(1.089)	1343492	100.000	120
	29	1,2-Dichloropropane	63	6.323	6.324	(1.091)	1066244	100.000	100
	30	Bromodichloromethane	83	6.640	6.640	(1.146)	1630562	100.000	100
	31	cis-1,3-Dichloropropene	75	7.169	7.164	(1.237)	1508176	100.000	120
	32	4-Methyl-2-Pentanone	43	7.357	7.358	(0.791)	887604	100.000	110
$	33	Toluene-d8	98	7.491	7.492	(0.805)	3982517	100.000	110
	34	Toluene	91	7.577	7.571	(0.814)	4392899	100.000	110
	35	trans-1,3-Dichloropropene	75	7.838	7.839	(1.353)	1609766	100.000	110
	36	1,1,2-Trichloroethane	97	8.063	8.064	(1.392)	1019672	100.000	100
	37	Tetrachloroethene	164	8.258	8.259	(0.888)	1077720	100.000	110
	38	2-Hexanone	43	8.392	8.393	(0.902)	659428	100.000	110
	39	Dibromochloromethane	129	8.550	8.551	(1.476)	1356076	100.000	110
	40	1,2-Dibromoethane	107	8.690	8.684	(0.934)	1149744	100.000	110
*	42	Chlorobenzene-d5	117	9.304	9.305	(1.000)	1397118	50.0000	
	43	Chlorobenzene	112	9.341	9.341	(1.004)	3184541	100.000	100
	44	Ethylbenzene	106	9.499	9.500	(1.021)	1682084	100.000	110
	45	m,p-Xylene	106	9.663	9.664	(1.039)	4143322	200.000	220
	46	o-Xylene	106	10.186	10.187	(1.095)	1995594	100.000	110
	47	Styrene	104	10.205	10.205	(1.097)	2668093	100.000	110
	48	Bromoform	173	10.424	10.424	(1.799)	911918	100.000	100
	49	Isopropylbenzene	105	10.679	10.680	(1.148)	5316487	100.000	120
$	50	Bromofluorobenzene	95	10.862	10.862	(1.167)	1688297	100.000	110
	51	1,1,2,2-Tetrachloroethane	83	11.056	11.051	(1.188)	1264718	100.000	100
M	41	Xylene (Total)	106				6138916	100.000	330
	52	1,3-Dichlorobenzene	146	12.200	12.207	(1.311)	2736269	100.000	110
	53	1,4-Dichlorobenzene	146	12.309	12.310	(1.323)	2889513	100.000	110
	54	1,2-Dichlorobenzene	146	12.741	12.742	(1.369)	2676866	100.000	110
	55	1,2-Dibromo-3-chloropropane	75	13.623	13.624	(1.464)	293008	100.000	110
	56	1,2,4-Trichlorobenzene	180	14.548	14.549	(1.564)	1663306	100.000	120

SB
6/1/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6363.D
Date : 01-JUN-2005 11:07
Client ID: VSTD2006Q
Instrument: V6.i
Sample Info: ,VSTD2006Q,VSTD2006Q
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0170

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6363.D
Report Date: 01-Jun-2005 12:38

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6363.D
Lab Smp Id: VSTD2006Q Client Smp ID: VSTD2006Q
Inj Date : 01-JUN-2005 11:07
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD2006Q,VSTD2006Q
Misc Info : ,1,5
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\v6clp4s.m
Meth Date : 01-Jun-2005 12:38 mtl Quant Type: ISTD
Cal Date : 01-JUN-2005 10:12 Cal File: V6D6361.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.369	1.372	(0.291)	2418397	200.000	190
2	Chloromethane	50	1.528	1.530	(0.325)	2194491	200.000	190
3	Vinyl Chloride	62	1.631	1.628	(0.347)	2170807	200.000	190
4	Bromomethane	94	1.929	1.938	(0.410)	1365478	200.000	180
5	Chloroethane	64	2.033	2.035	(0.432)	1081508	200.000	190
6	Trichlorofluoromethane	101	2.270	2.266	(0.483)	2928716	200.000	200
7	1,1-Dichloroethene	96	2.757	2.747	(0.586)	1890034	200.000	210(A)
9	Acetone	43	2.787	2.790	(0.593)	802348	200.000	200
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.769	2.771	(0.589)	1496583	200.000	190
10	Carbon Disulfide	76	2.951	2.954	(0.627)	5571931	200.000	200
11	Methyl Acetate	43	3.109	3.112	(0.661)	1137954	200.000	190
12	Methylene Chloride	84	3.219	3.203	(0.684)	1867437	200.000	190
13	trans-1,2-Dichloroethene	96	3.468	3.471	(0.737)	2065222	200.000	180
14	Methyl tert-Butyl Ether	73	3.481	3.483	(0.740)	5260633	200.000	190
15	1,1-Dichloroethane	63	3.876	3.872	(0.824)	4133344	200.000	190
16	2-Butanone	43	4.472	4.481	(0.951)	992561	200.000	190

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6363.D
Report Date: 01-Jun-2005 12:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.460	4.463	(0.948)	2205493	200.000	210(A)
*	18 Bromochloromethane	128	4.703	4.700	(1.000)	329396	50.0000	
	19 Chloroform	83	4.788	4.791	(1.018)	4366546	200.000	190
	20 1,1,1-Trichloroethane	97	4.983	4.986	(0.859)	3596552	200.000	180
	21 Cyclohexane	56	5.050	5.053	(0.871)	2860120	200.000	200
	22 Carbon Tetrachloride	117	5.166	5.162	(0.891)	3618234	200.000	190
$	23 1,2-Dichloroethane-d4	65	5.306	5.302	(1.128)	3634087	200.000	200
	25 Benzene	78	5.372	5.375	(0.927)	7335493	200.000	180
	24 1,2-Dichloroethane	62	5.385	5.381	(1.145)	4047434	200.000	180
*	26 1,4-Difluorobenzene	114	5.798	5.795	(1.000)	1621061	50.0000	
	27 Trichloroethene	130	6.084	6.087	(1.049)	2495967	200.000	190
	28 Methylcyclohexane	83	6.309	6.312	(1.088)	2451505	200.000	190
	29 1,2-Dichloropropane	63	6.322	6.324	(1.090)	2117796	200.000	180
	30 Bromodichloromethane	83	6.644	6.640	(1.146)	3265953	200.000	180
	31 cis-1,3-Dichloropropene	75	7.167	7.164	(1.236)	3125492	200.000	210(A)
	32 4-Methyl-2-Pentanone	43	7.356	7.358	(0.791)	1864531	200.000	200
$	33 Toluene-d8	98	7.496	7.492	(0.806)	7777107	200.000	200
	34 Toluene	91	7.575	7.571	(0.814)	8570287	200.000	180
	35 trans-1,3-Dichloropropene	75	7.842	7.839	(1.353)	3339871	200.000	210(A)
	36 1,1,2-Trichloroethane	97	8.061	8.064	(1.390)	2027015	200.000	180
	37 Tetrachloroethene	164	8.256	8.259	(0.888)	2113624	200.000	180
	38 2-Hexanone	43	8.390	8.393	(0.902)	1379028	200.000	210(A)
	39 Dibromochloromethane	129	8.554	8.551	(1.475)	2752780	200.000	190
	40 1,2-Dibromoethane	107	8.688	8.684	(0.934)	2349834	200.000	190
*	42 Chlorobenzene-d5	117	9.302	9.305	(1.000)	1583876	50.0000	
	43 Chlorobenzene	112	9.345	9.341	(1.005)	6325235	200.000	180
	44 Ethylbenzene	106	9.503	9.500	(1.022)	3386499	200.000	200
	45 m,p-Xylene	106	9.661	9.664	(1.039)	7967002	400.000	370
	46 o-Xylene	106	10.184	10.187	(1.095)	4004032	200.000	200
	47 Styrene	104	10.203	10.205	(1.097)	5238757	200.000	200
	48 Bromoform	173	10.422	10.424	(1.797)	1948422	200.000	200
	49 Isopropylbenzene	105	10.677	10.680	(1.148)	10220468	200.000	200
$	50 Bromofluorobenzene	95	10.860	10.862	(1.167)	3479589	200.000	210(A)
	51 1,1,2,2-Tetrachloroethane	83	11.054	11.051	(1.188)	2556241	200.000	180
M	41 Xylene (Total)	106				11971034	200.000	560
	52 1,3-Dichlorobenzene	146	12.204	12.207	(1.312)	5536532	200.000	200
	53 1,4-Dichlorobenzene	146	12.308	12.310	(1.323)	5828366	200.000	200
	54 1,2-Dichlorobenzene	146	12.740	12.742	(1.369)	5360125	200.000	200
	55 1,2-Dibromo-3-chloropropane	75	13.622	13.624	(1.464)	593744	200.000	200
	56 1,2,4-Trichlorobenzene	180	14.546	14.549	(1.564)	3556254	200.000	230(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

SB 6/1/05

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Instrument ID: V1 Calibration Date: 05/26/05 Time: 1049

Lab File ID: V1G7811 Init. Calib. Date(s): 05/23/05 05/23/05

EPA Sample No.(VSTD050##): VSTD0501M Init. Calib. Times: 2054 2252

Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	1.045	1.102		5.5		
Chloromethane	1.945	1.936		-0.5		
Vinyl Chloride	1.715	1.713	0.100	-0.1	25.0	
Bromomethane	0.999	1.035	0.100	3.6	25.0	
Chloroethane	0.914	0.942		3.1		
Trichlorofluoromethane	1.076	1.132		5.2		
1,1-Dichloroethene	0.986	1.000	0.100	1.4	25.0	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.020	1.014		-0.6		
Acetone	0.543	0.740		36.3		
Carbon Disulfide	5.044	4.981		-1.2		
Methyl Acetate	1.424	1.471		3.3		
Methylene Chloride	1.696	1.598		-5.8		
trans-1,2-Dichloroethene	1.417	1.337		-5.6		
Methyl tert-Butyl Ether	3.867	3.797		-1.8		
1,1-Dichloroethane	2.632	2.598	0.200	-1.3	25.0	
cis-1,2-Dichloroethene	1.500	1.410		-6.0		
2-Butanone	0.956	1.082		13.2		
Chloroform	2.252	2.177	0.200	-3.3	25.0	
1,1,1-Trichloroethane	0.285	0.267	0.100	-6.3	25.0	
Cyclohexane	0.488	0.479		-1.8		
Carbon Tetrachloride	0.247	0.239	0.100	-3.2	25.0	
Benzene	1.109	1.042	0.500	-6.0	25.0	
1,2-Dichloroethane	1.422	1.385	0.100	-2.6	25.0	
Trichloroethene	0.281	0.265	0.300	-5.7	25.0	<-
Methylcyclohexane	0.416	0.400		-3.8		

All other compounds must meet a minimum RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Instrument ID: V1 Calibration Date: 05/26/05 Time: 1049

Lab File ID: V1G7811 Init. Calib. Date(s): 05/23/05 05/23/05

EPA Sample No.(VSTD050##): VSTD0501M Init. Calib. Times: 2054 2252

Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.312	0.293		-6.1	
Bromodichloromethane	0.299	0.276	0.200	-7.7	25.0
cis-1,3-Dichloropropene	0.403	0.374	0.200	-7.2	25.0
4-Methyl-2-Pentanone	0.440	0.430		-2.3	
Toluene	1.203	1.145	0.400	-4.8	25.0
trans-1,3-Dichloropropene	0.338	0.313	0.100	-7.4	25.0
1,1,2-Trichloroethane	0.217	0.197	0.100	-9.2	25.0
Tetrachloroethene	0.239	0.225	0.200	-5.9	25.0
2-Hexanone	0.294	0.320		8.8	
Dibromochloromethane	0.263	0.235	0.100	-10.6	25.0
1,2-Dibromoethane	0.300	0.280		-6.7	
Chlorobenzene	0.823	0.751	0.500	-8.7	25.0
Ethylbenzene	0.408	0.387	0.100	-5.1	25.0
Xylene (Total)	0.496	0.479	0.300	-3.4	25.0
Styrene	0.674	0.619	0.300	-8.2	25.0
Bromoform	0.171	0.156	0.100	-8.8	25.0
Isopropylbenzene	1.182	1.132		-4.2	
1,1,2,2-Tetrachloroethane	0.396	0.370	0.300	-6.6	25.0
1,3-Dichlorobenzene	0.626	0.573	0.600	-8.5	25.0
1,4-Dichlorobenzene	0.641	0.584	0.500	-8.9	25.0
1,2-Dichlorobenzene	0.596	0.544	0.400	-8.7	25.0
1,2-Dibromo-3-chloropropane	0.056	0.052		-7.1	
1,2,4-Trichlorobenzene	0.399	0.352	0.200	-11.8	25.0
Toluene-d8	1.183	1.242		5.0	
Bromofluorobenzene	0.453	0.457	0.200	0.9	25.0
1,2-Dichloroethane-d4	1.389	1.444		4.0	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Instrument ID: V1 Calibration Date: 05/27/05 Time: 1013

Lab File ID: V1G7831 Init. Calib. Date(s): 05/23/05 05/23/05

EPA Sample No.(VSTD050##): VSTD0501N Init. Calib. Times: 2054 2252

Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	1.045	1.067		2.1		
Chloromethane	1.945	2.090		7.5		
Vinyl Chloride	1.715	1.845	0.100	7.6	25.0	
Bromomethane	0.999	1.104	0.100	10.5	25.0	
Chloroethane	0.914	1.024		12.0		
Trichlorofluoromethane	1.076	1.155		7.3		
1,1-Dichloroethene	0.986	0.989	0.100	0.3	25.0	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.020	1.038		1.8		
Acetone	0.543	0.713		31.3		
Carbon Disulfide	5.044	5.129		1.7		
Methyl Acetate	1.424	1.345		-5.5		
Methylene Chloride	1.696	1.680		-0.9		
trans-1,2-Dichloroethene	1.417	1.443		1.8		
Methyl tert-Butyl Ether	3.867	3.942		1.9		
1,1-Dichloroethane	2.632	2.786	0.200	5.9	25.0	
cis-1,2-Dichloroethene	1.500	1.533		2.2		
2-Butanone	0.956	1.053		10.1		
Chloroform	2.252	2.238	0.200	-0.6	25.0	
1,1,1-Trichloroethane	0.285	0.288	0.100	1.1	25.0	
Cyclohexane	0.488	0.510		4.5		
Carbon Tetrachloride	0.247	0.255	0.100	3.2	25.0	
Benzene	1.109	1.140	0.500	2.8	25.0	
1,2-Dichloroethane	1.422	1.403	0.100	-1.3	25.0	
Trichloroethene	0.281	0.274	0.300	-2.5	25.0	<-
Methylcyclohexane	0.416	0.413		-0.7		

All other compounds must meet a minimum RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Instrument ID: V1 Calibration Date: 05/27/05 Time: 1013

Lab File ID: V1G7831 Init. Calib. Date(s): 05/23/05 05/23/05

EPA Sample No.(VSTD050##): VSTD0501N Init. Calib. Times: 2054 2252

Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.312	0.320		2.6	
Bromodichloromethane	0.299	0.307	0.200	2.7	25.0
cis-1,3-Dichloropropene	0.403	0.403	0.200	0.0	25.0
4-Methyl-2-Pentanone	0.440	0.395		-10.2	
Toluene	1.203	1.251	0.400	4.0	25.0
trans-1,3-Dichloropropene	0.338	0.331	0.100	-2.1	25.0
1,1,2-Trichloroethane	0.217	0.207	0.100	-4.6	25.0
Tetrachloroethene	0.239	0.246	0.200	2.9	25.0
2-Hexanone	0.294	0.311		5.8	
Dibromochloromethane	0.263	0.243	0.100	-7.6	25.0
1,2-Dibromoethane	0.300	0.291		-3.0	
Chlorobenzene	0.823	0.847	0.500	2.9	25.0
Ethylbenzene	0.408	0.413	0.100	1.2	25.0
Xylene (Total)	0.496	0.502	0.300	1.2	25.0
Styrene	0.674	0.673	0.300	-0.1	25.0
Bromoform	0.171	0.152	0.100	-11.1	25.0
Isopropylbenzene	1.182	1.225		3.6	
1,1,2,2-Tetrachloroethane	0.396	0.380	0.300	-4.0	25.0
1,3-Dichlorobenzene	0.626	0.605	0.600	-3.4	25.0
1,4-Dichlorobenzene	0.641	0.595	0.500	-7.2	25.0
1,2-Dichlorobenzene	0.596	0.573	0.400	-3.9	25.0
1,2-Dibromo-3-chloropropane	0.056	0.048		-14.3	
1,2,4-Trichlorobenzene	0.399	0.358	0.200	-10.3	25.0
Toluene-d8	1.183	1.182		-0.1	
Bromofluorobenzene	0.453	0.440	0.200	-2.9	25.0
1,2-Dichloroethane-d4	1.389	1.316		-5.3	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Instrument ID: V6 Calibration Date: 06/02/05 Time: 0937

Lab File ID: V6D6391 Init. Calib. Date(s): 06/01/05 06/01/05

EPA Sample No.(VSTD050##): VSTD0506T Init. Calib. Times: 1012 1202

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	1.984	1.573		-20.7	
Chloromethane	1.741	1.443		-17.1	
Vinyl Chloride	1.714	1.336	0.100	-22.1	25.0
Bromomethane	1.124	0.907	0.100	-19.3	25.0
Chloroethane	0.846	0.715		-15.5	
Trichlorofluoromethane	2.225	1.795		-19.3	
1,1-Dichloroethene	1.370	1.161	0.100	-15.3	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.217	1.009		-17.1	
Acetone	0.620	0.411		-33.7	
Carbon Disulfide	4.298	3.301		-23.2	
Methyl Acetate	0.895	0.813		-9.2	
Methylene Chloride	1.510	1.230		-18.5	
trans-1,2-Dichloroethene	1.730	1.425		-17.6	
Methyl tert-Butyl Ether	4.224	3.771		-10.7	
1,1-Dichloroethane	3.336	2.817	0.200	-15.6	25.0
cis-1,2-Dichloroethene	1.626	1.412		-13.2	
2-Butanone	0.793	0.624		-21.3	
Chloroform	3.555	3.101	0.200	-12.8	25.0
1,1,1-Trichloroethane	0.608	0.473	0.100	-22.2	25.0
Cyclohexane	0.432	0.347		-19.7	
Carbon Tetrachloride	0.599	0.469	0.100	-21.7	25.0
Benzene	1.257	1.115	0.500	-11.3	25.0
1,2-Dichloroethane	3.323	2.971	0.100	-10.6	25.0
Trichloroethene	0.411	0.363	0.300	-11.7	25.0
Methylcyclohexane	0.392	0.331		-15.6	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Instrument ID: V6 Calibration Date: 06/02/05 Time: 0937

Lab File ID: V6D6391 Init. Calib. Date(s): 06/01/05 06/01/05

EPA Sample No.(VSTD050##): VSTD0506T Init. Calib. Times: 1012 1202

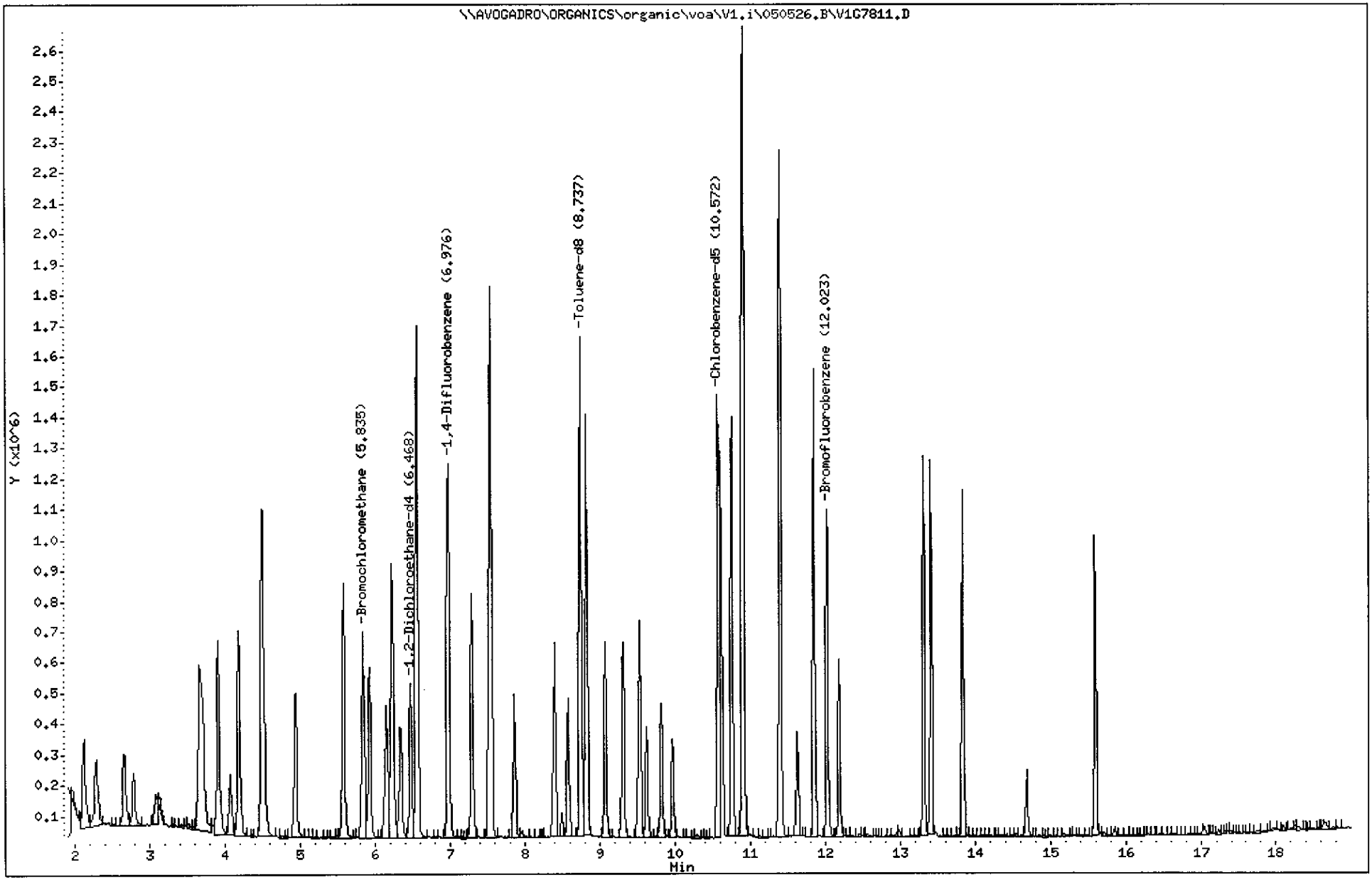
Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.361	0.335		-7.2	
Bromodichloromethane	0.549	0.484	0.200	-11.8	25.0
cis-1,3-Dichloropropene	0.450	0.401	0.200	-10.9	25.0
4-Methyl-2-Pentanone	0.299	0.288		-3.7	
Toluene	1.474	1.328	0.400	-9.9	25.0
trans-1,3-Dichloropropene	0.499	0.438	0.100	-12.2	25.0
1,1,2-Trichloroethane	0.345	0.328	0.100	-4.9	25.0
Tetrachloroethene	0.362	0.300	0.200	-17.1	25.0
2-Hexanone	0.206	0.179		-13.1	
Dibromochloromethane	0.449	0.415	0.100	-7.6	25.0
1,2-Dibromoethane	0.386	0.349		-9.6	
Chlorobenzene	1.088	0.971	0.500	-10.8	25.0
Ethylbenzene	0.546	0.477	0.100	-12.6	25.0
Xylene (Total)	0.634	0.594	0.300	-6.3	25.0
Styrene	0.835	0.786	0.300	-5.9	25.0
Bromoform	0.303	0.287	0.100	-5.3	25.0
Isopropylbenzene	1.637	1.470		-10.2	
1,1,2,2-Tetrachloroethane	0.439	0.376	0.300	-14.4	25.0
1,3-Dichlorobenzene	0.870	0.780	0.600	-10.3	25.0
1,4-Dichlorobenzene	0.925	0.860	0.500	-7.0	25.0
1,2-Dichlorobenzene	0.859	0.799	0.400	-7.0	25.0
1,2-Dibromo-3-chloropropane	0.093	0.080		-14.0	
1,2,4-Trichlorobenzene	0.478	0.439	0.200	-8.2	25.0
Toluene-d8	1.251	1.295		3.5	
Bromofluorobenzene	0.528	0.531	0.200	0.6	25.0
1,2-Dichloroethane-d4	2.769	2.773		0.1	

All other compounds must meet a minimum RRF of 0.010.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7811.D
Date : 26-MAY-2005 10:49
Client ID: VSTD0501M
Instrument: V1.i
Sample Info: ,VSTD0501M,VSTD0501M,
Operator: LG/YD
Column phase: DB-624
Column diameter: 0.25



0179

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7811.D
Report Date: 18-Jun-2005 09:44

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7811.D
Lab Smp Id: VSTD0501M Client Smp ID: VSTD0501M
Inj Date : 26-MAY-2005 10:49
Operator : LG/YD Inst ID: V1.i
Smp Info : ,VSTD0501M,VSTD0501M,
Misc Info : ,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\v1clp4h.m
Meth Date : 18-Jun-2005 09:28 mtl Quant Type: ISTD
Cal Date : 26-MAY-2005 10:49 Cal File: V1G7811.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

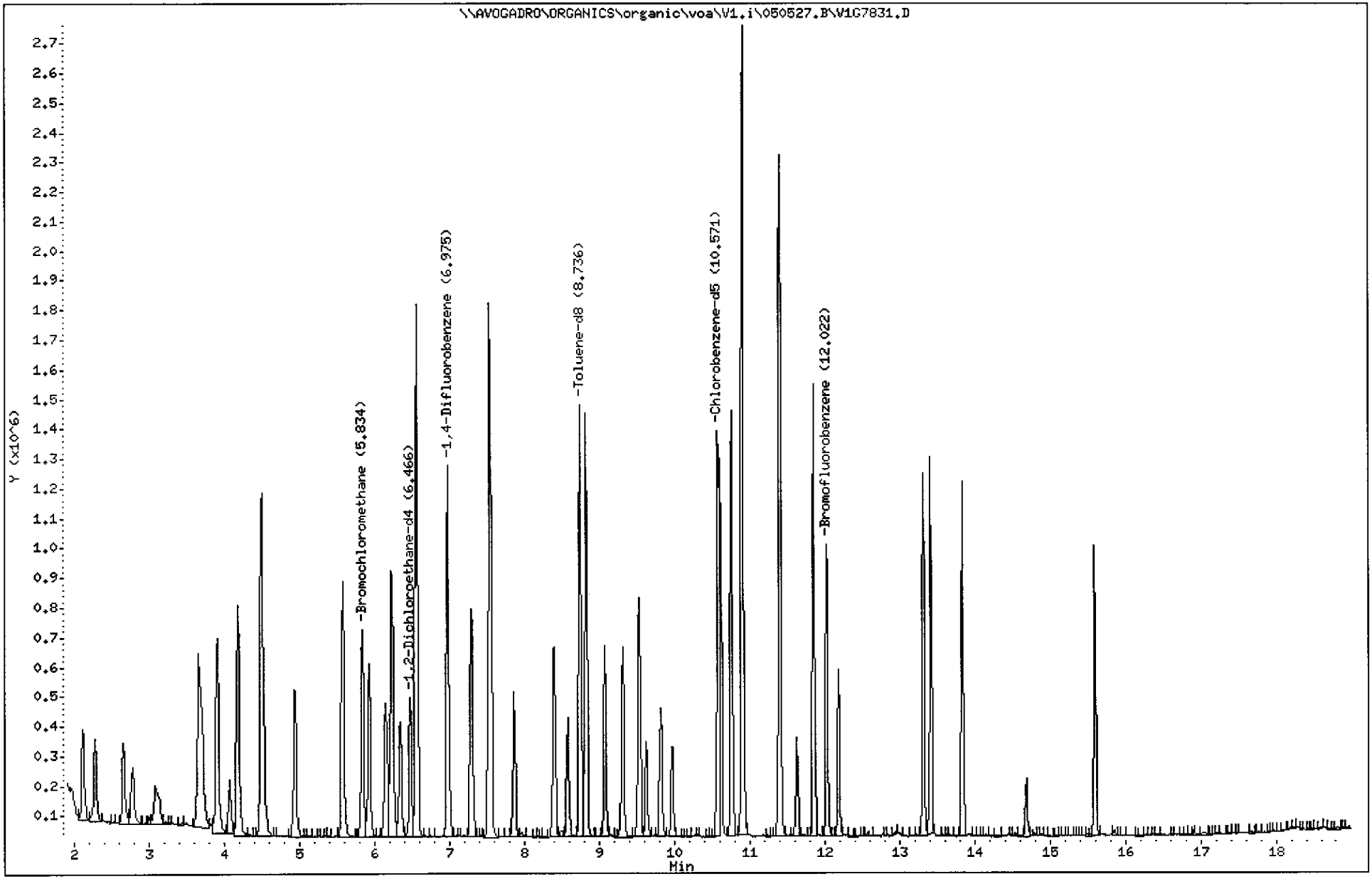
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.954	1.954	(0.335)	274675	50.0000	53
2	Chloromethane	50	2.115	2.115	(0.362)	482324	50.0000	50
3	Vinyl Chloride	62	2.276	2.276	(0.390)	426946	50.0000	50
4	Bromomethane	94	2.648	2.648	(0.454)	257897	50.0000	52
5	Chloroethane	64	2.772	2.772	(0.475)	234727	50.0000	52
6	Trichlorofluoromethane	101	3.070	3.070	(0.526)	281960	50.0000	53
7	1,1-Dichloroethene	96	3.653	3.653	(0.626)	249266	50.0000	51
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.690	3.690	(0.632)	252657	50.0000	50
9	Acetone	43	3.690	3.690	(0.632)	184462	50.0000	68
10	Carbon Disulfide	76	3.901	3.901	(0.668)	1241051	50.0000	49
11	Methyl Acetate	43	4.062	4.062	(0.696)	366639	50.0000	52
12	Methylene Chloride	84	4.173	4.173	(0.715)	398213	50.0000	47
13	trans-1,2-Dichloroethene	96	4.484	4.484	(0.768)	333154	50.0000	47
14	Methyl tert-Butyl Ether	73	4.508	4.508	(0.773)	946190	50.0000	49
15	1,1-Dichloroethane	63	4.942	4.942	(0.847)	647428	50.0000	49

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7811.D
Report Date: 18-Jun-2005 09:44

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16	2-Butanone	43	5.575	5.575	(0.955)	269570	50.0000	57
	17	cis-1,2-Dichloroethene	96	5.575	5.575	(0.955)	351407	50.0000	47
*	18	Bromochloromethane	128	5.835	5.835	(1.000)	249168	50.0000	
	19	Chloroform	83	5.922	5.922	(1.015)	542372	50.0000	48
	20	1,1,1-Trichloroethane	97	6.145	6.145	(0.881)	354231	50.0000	47
	21	Cyclohexane	56	6.220	6.220	(0.892)	635164	50.0000	49
	22	Carbon Tetrachloride	117	6.331	6.331	(0.908)	316550	50.0000	48
$	23	1,2-Dichloroethane-d4	65	6.468	6.468	(1.108)	359789	50.0000	52
	24	1,2-Dichloroethane	62	6.554	6.554	(1.123)	345146	50.0000	49
	25	Benzene	78	6.554	6.554	(0.940)	1382315	50.0000	47
*	26	1,4-Difluorobenzene	114	6.976	6.976	(1.000)	1326262	50.0000	
	27	Trichloroethene	130	7.286	7.286	(1.044)	352106	50.0000	47
	28	Methylcyclohexane	83	7.534	7.534	(1.080)	530113	50.0000	48
	29	1,2-Dichloropropane	63	7.534	7.534	(1.080)	388268	50.0000	47
	30	Bromodichloromethane	83	7.856	7.856	(1.126)	365904	50.0000	46
	31	cis-1,3-Dichloropropene	75	8.390	8.390	(1.203)	495729	50.0000	46
	32	4-Methyl-2-Pentanone	43	8.576	8.576	(0.811)	458210	50.0000	49
$	33	Toluene-d8	98	8.737	8.737	(0.826)	1321922	50.0000	52
	34	Toluene	91	8.824	8.824	(0.835)	1218742	50.0000	48
	35	trans-1,3-Dichloropropene	75	9.072	9.072	(1.300)	415245	50.0000	46
	36	1,1,2-Trichloroethane	97	9.307	9.307	(1.334)	260893	50.0000	45
	37	Tetrachloroethene	164	9.531	9.531	(0.901)	239711	50.0000	47
	38	2-Hexanone	43	9.617	9.617	(0.910)	340413	50.0000	54
	39	Dibromochloromethane	129	9.816	9.816	(1.407)	311489	50.0000	45
	40	1,2-Dibromoethane	107	9.965	9.965	(0.943)	298518	50.0000	47
*	42	Chlorobenzene-d5	117	10.572	10.572	(1.000)	1064408	50.0000	
	43	Chlorobenzene	112	10.610	10.610	(1.004)	799901	50.0000	46
	44	Ethylbenzene	106	10.758	10.758	(1.018)	411397	50.0000	47
	45	m,p-Xylene	106	10.907	10.907	(1.032)	1050395	100.000	97
	46	o-Xylene	106	11.391	11.391	(1.077)	510170	50.0000	48
	47	Styrene	104	11.403	11.403	(1.079)	659015	50.0000	46
	48	Bromoform	173	11.626	11.626	(1.667)	207434	50.0000	46
	49	Isopropylbenzene	105	11.850	11.850	(1.121)	1205439	50.0000	48
$	50	Bromofluorobenzene	95	12.023	12.023	(1.137)	485935	50.0000	50
	51	1,1,2,2-Tetrachloroethane	83	12.184	12.184	(1.152)	394217	50.0000	47
M	41	Xylene (Total)	106				1560565	50.0000	150
	52	1,3-Dichlorobenzene	146	13.313	13.313	(1.259)	609742	50.0000	46
	53	1,4-Dichlorobenzene	146	13.412	13.412	(1.269)	621160	50.0000	46
	54	1,2-Dichlorobenzene	146	13.834	13.834	(1.308)	579298	50.0000	46
	55	1,2-Dibromo-3-chloropropane	75	14.689	14.689	(1.389)	55615	50.0000	46
	56	1,2,4-Trichlorobenzene	180	15.595	15.595	(1.475)	375145	50.0000	44

AW
6/18/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7831.D
Date : 27-MAY-2005 10:13
Client ID: VSTD0501N
Instrument: V1.i
Sample Info: ,VSTD0501N,VSTD0501N,
Operator: LG/YD
Column phase: DB-624
Column diameter: 0.25



0182

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7831.D
Report Date: 18-Jun-2005 09:26

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7831.D
Lab Smp Id: VSTD0501N Client Smp ID: VSTD0501N
Inj Date : 27-MAY-2005 10:13
Operator : LG/YD Inst ID: V1.i
Smp Info : ,VSTD0501N,VSTD0501N,
Misc Info : ,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\v1clp4h.m
Meth Date : 18-Jun-2005 09:19 mtl Quant Type: ISTD
Cal Date : 27-MAY-2005 10:13 Cal File: V1G7831.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

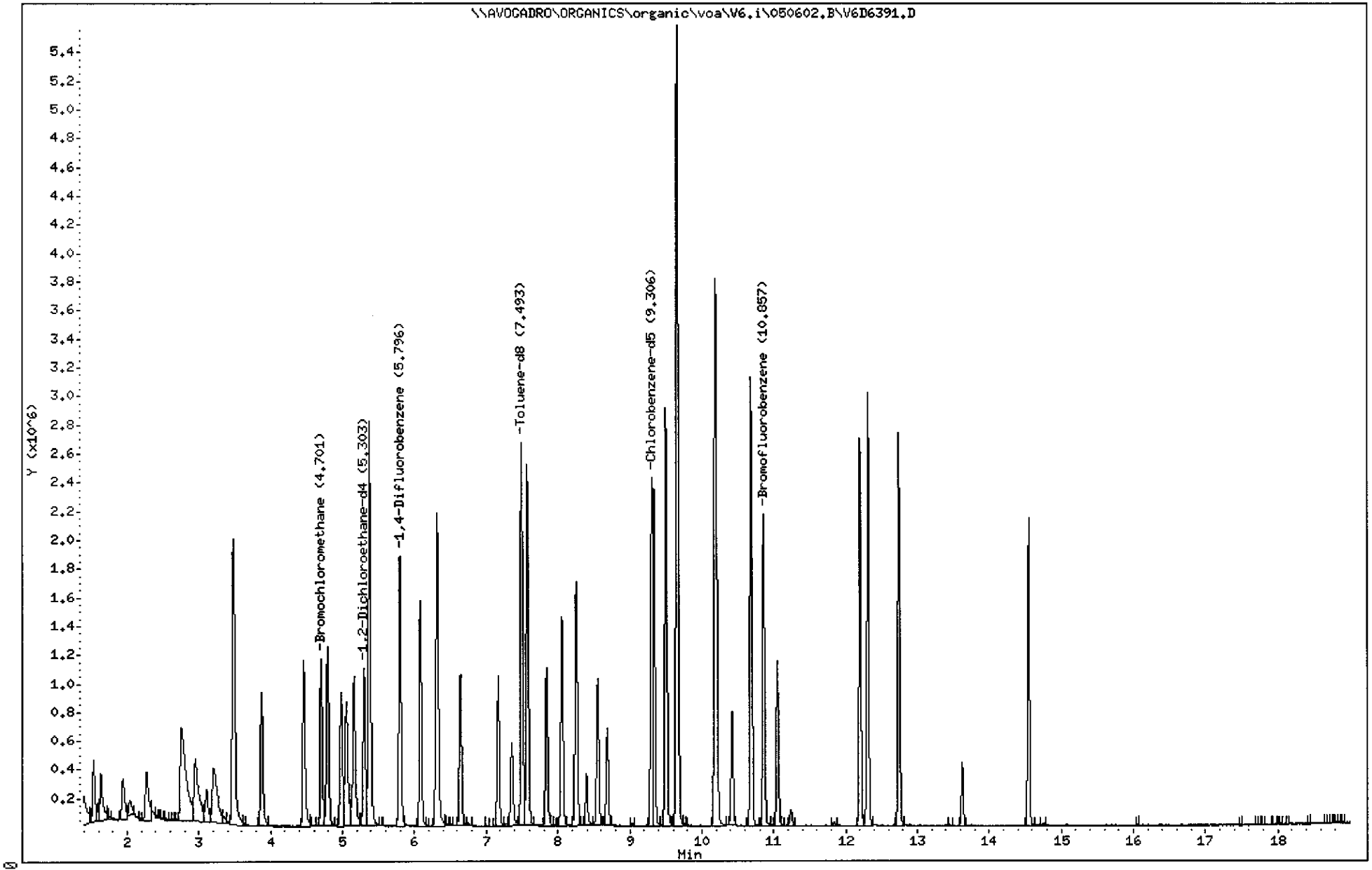
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.952	1.952	(0.335)	264061	50.0000	51
2	Chloromethane	50	2.101	2.101	(0.360)	517333	50.0000	54
3	Vinyl Chloride	62	2.263	2.263	(0.388)	456712	50.0000	54
4	Bromomethane	94	2.647	2.647	(0.454)	273343	50.0000	55
5	Chloroethane	64	2.771	2.771	(0.475)	253605	50.0000	56
6	Trichlorofluoromethane	101	3.069	3.069	(0.526)	285953	50.0000	54
7	1,1-Dichloroethene	96	3.651	3.651	(0.626)	244824	50.0000	50
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.689	3.689	(0.632)	256988	50.0000	51
9	Acetone	43	3.689	3.689	(0.632)	176625	50.0000	66
10	Carbon Disulfide	76	3.900	3.900	(0.668)	1269784	50.0000	51
11	Methyl Acetate	43	4.061	4.061	(0.696)	333032	50.0000	47
12	Methylene Chloride	84	4.172	4.172	(0.715)	416067	50.0000	50
13	trans-1,2-Dichloroethene	96	4.482	4.482	(0.768)	357252	50.0000	51
14	Methyl tert-Butyl Ether	73	4.495	4.495	(0.770)	975915	50.0000	51
15	1,1-Dichloroethane	63	4.929	4.929	(0.845)	689732	50.0000	53

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7831.D
Report Date: 18-Jun-2005 09:26

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16	2-Butanone	43	5.574	5.574	(0.955)	260709	50.0000	55
	17	cis-1,2-Dichloroethene	96	5.574	5.574	(0.955)	379561	50.0000	51
*	18	Bromochloromethane	128	5.834	5.834	(1.000)	247586	50.0000	
	19	Chloroform	83	5.921	5.921	(1.015)	554179	50.0000	50
	20	1,1,1-Trichloroethane	97	6.144	6.144	(0.881)	365086	50.0000	50
	21	Cyclohexane	56	6.218	6.218	(0.892)	647346	50.0000	52
	22	Carbon Tetrachloride	117	6.342	6.342	(0.909)	323998	50.0000	52
$	23	1,2-Dichloroethane-d4	65	6.466	6.466	(1.108)	325874	50.0000	47
	24	1,2-Dichloroethane	62	6.553	6.553	(1.123)	347472	50.0000	49
	25	Benzene	78	6.553	6.553	(0.940)	1446595	50.0000	51
*	26	1,4-Difluorobenzene	114	6.975	6.975	(1.000)	1269418	50.0000	
	27	Trichloroethene	130	7.285	7.285	(1.044)	348396	50.0000	49
	28	Methylcyclohexane	83	7.533	7.533	(1.080)	523697	50.0000	50
	29	1,2-Dichloropropane	63	7.533	7.533	(1.080)	406398	50.0000	51
	30	Bromodichloromethane	83	7.855	7.855	(1.126)	389802	50.0000	51
	31	cis-1,3-Dichloropropene	75	8.401	8.401	(1.204)	512064	50.0000	50
	32	4-Methyl-2-Pentanone	43	8.575	8.575	(0.811)	398175	50.0000	45
$	33	Toluene-d8	98	8.736	8.736	(0.826)	1190419	50.0000	50
	34	Toluene	91	8.823	8.823	(0.835)	1259622	50.0000	52
	35	trans-1,3-Dichloropropene	75	9.071	9.071	(1.300)	420215	50.0000	49
	36	1,1,2-Trichloroethane	97	9.306	9.306	(1.334)	262578	50.0000	48
	37	Tetrachloroethene	164	9.530	9.530	(0.901)	247819	50.0000	51
	38	2-Hexanone	43	9.616	9.616	(0.910)	313370	50.0000	53
	39	Dibromochloromethane	129	9.815	9.815	(1.407)	308646	50.0000	46
	40	1,2-Dibromoethane	107	9.963	9.963	(0.943)	292596	50.0000	48
*	42	Chlorobenzene-d5	117	10.571	10.571	(1.000)	1007154	50.0000	
	43	Chlorobenzene	112	10.608	10.608	(1.004)	852838	50.0000	51
	44	Ethylbenzene	106	10.757	10.757	(1.018)	415480	50.0000	51
	45	m,p-Xylene	106	10.906	10.906	(1.032)	1053351	100.000	100
	46	o-Xylene	106	11.402	11.402	(1.079)	505949	50.0000	51
	47	Styrene	104	11.402	11.402	(1.079)	677333	50.0000	50
	48	Bromoform	173	11.625	11.625	(1.667)	193340	50.0000	45
	49	Isopropylbenzene	105	11.848	11.848	(1.121)	1233961	50.0000	52
$	50	Bromofluorobenzene	95	12.022	12.022	(1.137)	443630	50.0000	49
	51	1,1,2,2-Tetrachloroethane	83	12.183	12.183	(1.153)	382613	50.0000	48
M	41	Xylene (Total)	106				1559300	50.0000	160
	52	1,3-Dichlorobenzene	146	13.312	13.312	(1.259)	609283	50.0000	48
	53	1,4-Dichlorobenzene	146	13.411	13.411	(1.269)	599003	50.0000	46
	54	1,2-Dichlorobenzene	146	13.833	13.833	(1.309)	577388	50.0000	48
	55	1,2-Dibromo-3-chloropropane	75	14.688	14.688	(1.389)	48724	50.0000	43
	56	1,2,4-Trichlorobenzene	180	15.593	15.593	(1.475)	360861	50.0000	45

AW
6/14/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6391.D
Date : 02-JUN-2005 09:37
Client ID: VSTD0506T
Instrument: V6.i
Sample Info: ,VSTD0506T,VSTD0506T
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0185

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6391.D
Report Date: 18-Jun-2005 10:33

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6391.D
Lab Smp Id: VSTD0506T Client Smp ID: VSTD0506T
Inj Date : 02-JUN-2005 09:37
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0506T,VSTD0506T
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 18-Jun-2005 10:29 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.373	1.373	(0.292)	570268	50.0000	40
2 Chloromethane	50	1.531	1.531	(0.326)	523085	50.0000	41
3 Vinyl Chloride	62	1.635	1.635	(0.348)	484313	50.0000	39
4 Bromomethane	94	1.945	1.945	(0.414)	328880	50.0000	40
5 Chloroethane	64	2.036	2.036	(0.434)	259111	50.0000	42
6 Trichlorofluoromethane	101	2.267	2.267	(0.483)	650705	50.0000	40
7 1,1-Dichloroethene	96	2.754	2.754	(0.587)	420809	50.0000	42
9 Acetone	43	2.791	2.791	(0.594)	148992	50.0000	33
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.766	2.766	(0.589)	365655	50.0000	41
10 Carbon Disulfide	76	2.955	2.955	(0.629)	1196402	50.0000	38
11 Methyl Acetate	43	3.107	3.107	(0.662)	294584	50.0000	45
12 Methylene Chloride	84	3.210	3.210	(0.684)	445759	50.0000	41
13 trans-1,2-Dichloroethene	96	3.472	3.472	(0.740)	516415	50.0000	41
14 Methyl tert-Butyl Ether	73	3.484	3.484	(0.742)	1366917	50.0000	45
15 1,1-Dichloroethane	63	3.873	3.873	(0.825)	1021186	50.0000	42
16 2-Butanone	43	4.482	4.482	(0.955)	226064	50.0000	39

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6391.D
Report Date: 18-Jun-2005 10:33

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17	cis-1,2-Dichloroethene	96	4.457	4.457	(0.949)	511683	50.0000	43
*	18	Bromochloromethane	128	4.695	4.695	(1.000)	362447	50.0000	
	19	Chloroform	83	4.786	4.786	(1.019)	1123870	50.0000	44
	20	1,1,1-Trichloroethane	97	4.981	4.981	(0.859)	796626	50.0000	39
	21	Cyclohexane	56	5.053	5.053	(0.872)	584383	50.0000	40
	22	Carbon Tetrachloride	117	5.163	5.163	(0.891)	791017	50.0000	39
$	23	1,2-Dichloroethane-d4	65	5.303	5.303	(1.130)	1005048	50.0000	50
	25	Benzene	78	5.376	5.376	(0.928)	1880228	50.0000	44
	24	1,2-Dichloroethane	62	5.382	5.382	(1.146)	1076944	50.0000	45
*	26	1,4-Difluorobenzene	114	5.796	5.796	(1.000)	1685950	50.0000	
	27	Trichloroethene	130	6.088	6.088	(1.050)	611428	50.0000	44
	28	Methylcyclohexane	83	6.307	6.307	(1.088)	558683	50.0000	42
	29	1,2-Dichloropropane	63	6.325	6.325	(1.091)	564203	50.0000	46
	30	Bromodichloromethane	83	6.635	6.635	(1.145)	816706	50.0000	44
	31	cis-1,3-Dichloropropene	75	7.171	7.171	(1.237)	676157	50.0000	45
	32	4-Methyl-2-Pentanone	43	7.359	7.359	(0.791)	468119	50.0000	48
$	33	Toluene-d8	98	7.493	7.493	(0.805)	2103946	50.0000	52
	34	Toluene	91	7.572	7.572	(0.814)	2157742	50.0000	45
	35	trans-1,3-Dichloropropene	75	7.840	7.840	(1.353)	738487	50.0000	44
	36	1,1,2-Trichloroethane	97	8.059	8.059	(1.390)	553496	50.0000	48
	37	Tetrachloroethene	164	8.253	8.253	(0.887)	487894	50.0000	41
	38	2-Hexanone	43	8.393	8.393	(0.902)	291184	50.0000	44
	39	Dibromochloromethane	129	8.552	8.552	(1.475)	699469	50.0000	46
	40	1,2-Dibromoethane	107	8.691	8.691	(0.934)	566960	50.0000	45
*	42	Chlorobenzene-d5	117	9.306	9.306	(1.000)	1624290	50.0000	
	43	Chlorobenzene	112	9.342	9.342	(1.004)	1577903	50.0000	45
	44	Ethylbenzene	106	9.501	9.501	(1.021)	775302	50.0000	44
	45	m,p-Xylene	106	9.659	9.659	(1.038)	2038284	100.000	91
	46	o-Xylene	106	10.188	10.188	(1.095)	965346	50.0000	47
	47	Styrene	104	10.206	10.206	(1.097)	1277167	50.0000	47
	48	Bromoform	173	10.419	10.419	(1.798)	483118	50.0000	47
	49	Isopropylbenzene	105	10.681	10.681	(1.148)	2387001	50.0000	45
$	50	Bromofluorobenzene	95	10.857	10.857	(1.167)	863170	50.0000	50
	51	1,1,2,2-Tetrachloroethane	83	11.052	11.052	(1.188)	611265	50.0000	43
M	41	Xylene (Total)	106				3003630	50.0000	140
	52	1,3-Dichlorobenzene	146	12.202	12.202	(1.311)	1267079	50.0000	45
	53	1,4-Dichlorobenzene	146	12.311	12.311	(1.323)	1396820	50.0000	46
	54	1,2-Dichlorobenzene	146	12.743	12.743	(1.369)	1297173	50.0000	46
	55	1,2-Dibromo-3-chloropropane	75	13.625	13.625	(1.464)	129227	50.0000	43
	56	1,2,4-Trichlorobenzene	180	14.550	14.550	(1.564)	713775	50.0000	46

AN
6/10/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\V1G7750.D

Date : 23-MAY-2005 20:25

Client ID: BFB1J

Instrument: V1.i

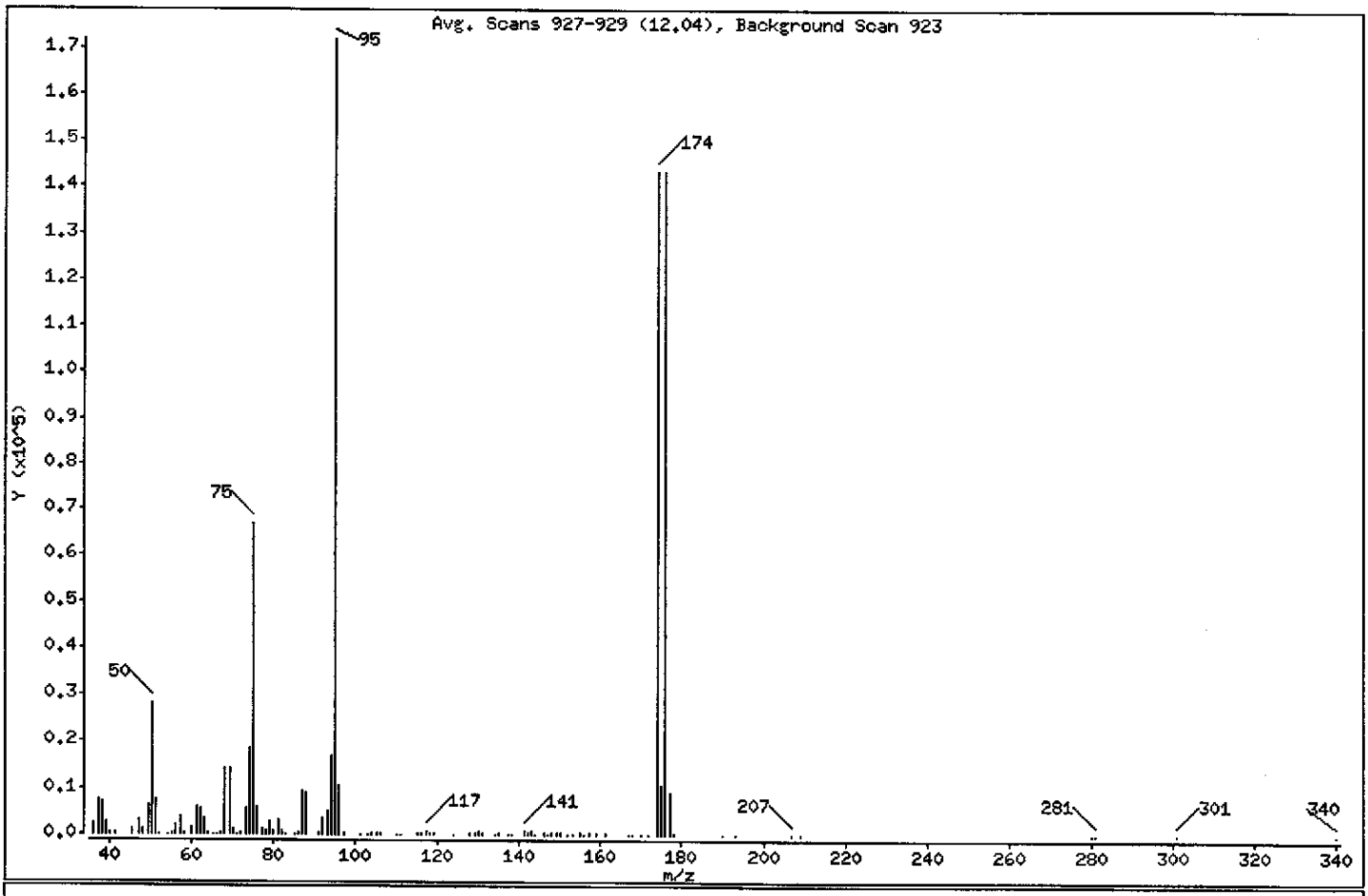
Sample Info: ,BFB1J,BFB1J,

Operator: LG/YD

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	16.26
75	30.00 - 66.00% of mass 95	39.05
96	5.00 - 9.00% of mass 95	6.18
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	83.31
175	4.00 - 9.00% of mass 174	6.13 (7.36)
176	93.00 - 101.00% of mass 174	83.31 (100.00)
177	5.00 - 9.00% of mass 176	5.29 (6.35)

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\V1G7750.D

Date : 23-MAY-2005 20:25

Client ID: BFB1J

Instrument: V1.i

Sample Info: ,BFB1J,BFB1J,

Operator: LG/YD

Column phase: DB-624

Column diameter: 0.25

Data File: V1G7750.D
Spectrum: Avg. Scans 927-929 (12.04), Background Scan 923
Location of Maximum: 95.00
Number of points: 107

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2231	69.00	14095	103.00	132	149.00	273
37.00	7338	70.00	1009	104.00	387	150.00	200
38.00	6987	71.00	155	105.00	308	152.00	36
39.00	2669	72.00	490	106.00	253	153.00	38
40.00	465	73.00	5354	110.00	88	155.00	358
41.00	206	74.00	18616	111.00	44	156.00	77
45.00	1292	75.00	67112	115.00	248	157.00	228
47.00	3286	76.00	6053	116.00	467	159.00	323
48.00	991	77.00	1148	117.00	628	161.00	248
49.00	6148	78.00	822	118.00	369	167.00	44
50.00	27936	79.00	2678	119.00	530	168.00	35
51.00	7377	80.00	845	124.00	134	170.00	53
52.00	98	81.00	2986	128.00	416	172.00	179
54.00	52	82.00	625	129.00	262	174.00	143168
55.00	307	83.00	87	130.00	624	175.00	10539
56.00	1961	85.00	46	131.00	211	176.00	143168
57.00	3899	86.00	376	134.00	33	177.00	9096
58.00	264	87.00	9599	135.00	360	178.00	243
60.00	1386	88.00	9085	137.00	117	190.00	48
61.00	5865	91.00	356	138.00	33	193.00	81
62.00	5499	92.00	3443	141.00	899	207.00	96
63.00	3511	93.00	5042	142.00	355	209.00	73
64.00	471	94.00	16976	143.00	725	280.00	42
65.00	95	95.00	171840	144.00	43	281.00	97
66.00	159	96.00	10616	146.00	290	301.00	48
67.00	279	97.00	205	147.00	97	340.00	37
68.00	14179	101.00	42	148.00	297		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050523A.B\V1G7750.D

Date : 23-MAY-2005 20:25

Client ID: BFB1J

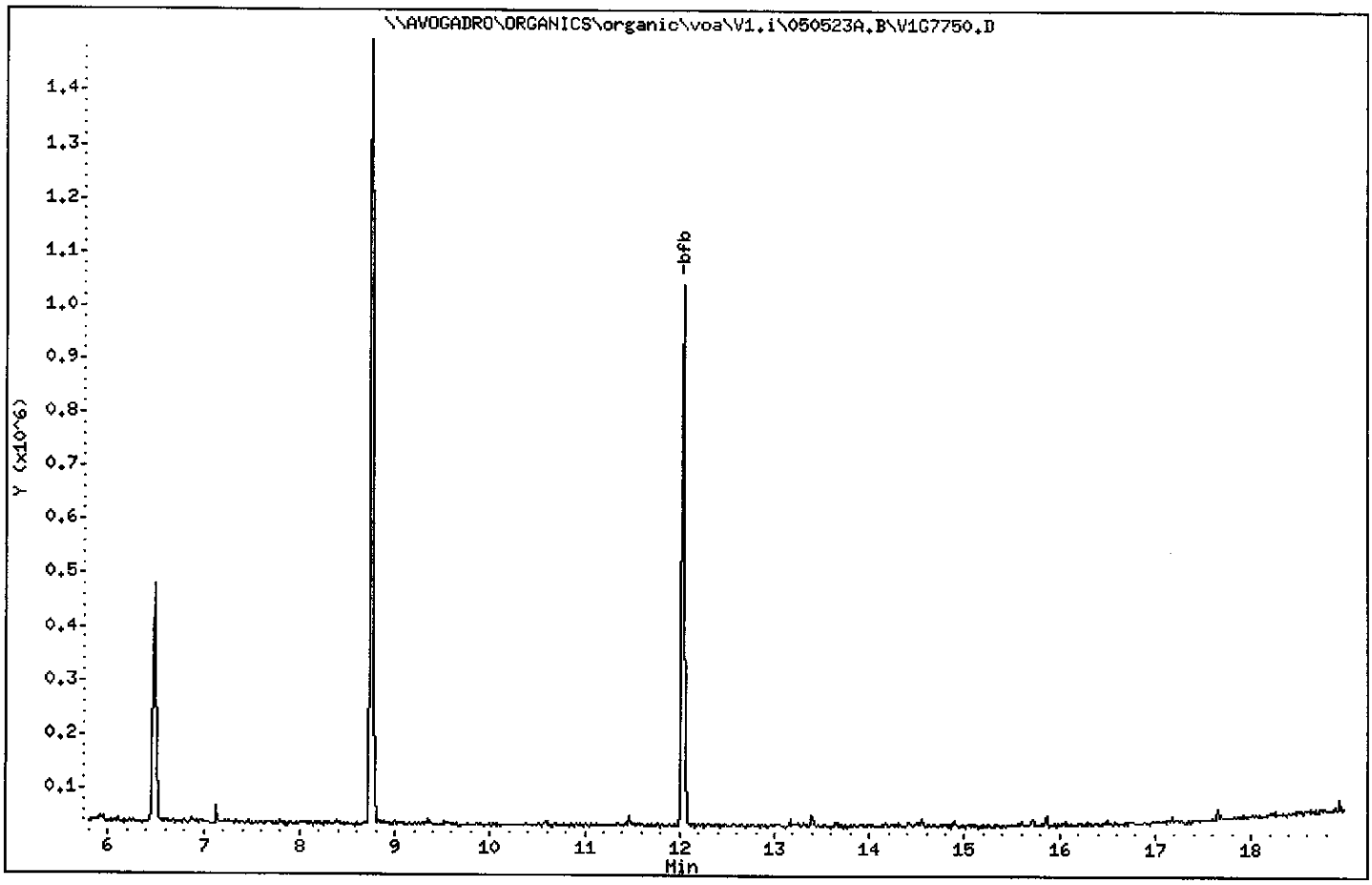
Instrument: V1.i

Sample Info: ,BFB1J,BFB1J,

Operator: LG/YD

Column phase: DB-624

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7810.D

Date : 26-MAY-2005 10:22

Client ID: BFB1M

Instrument: V1.i

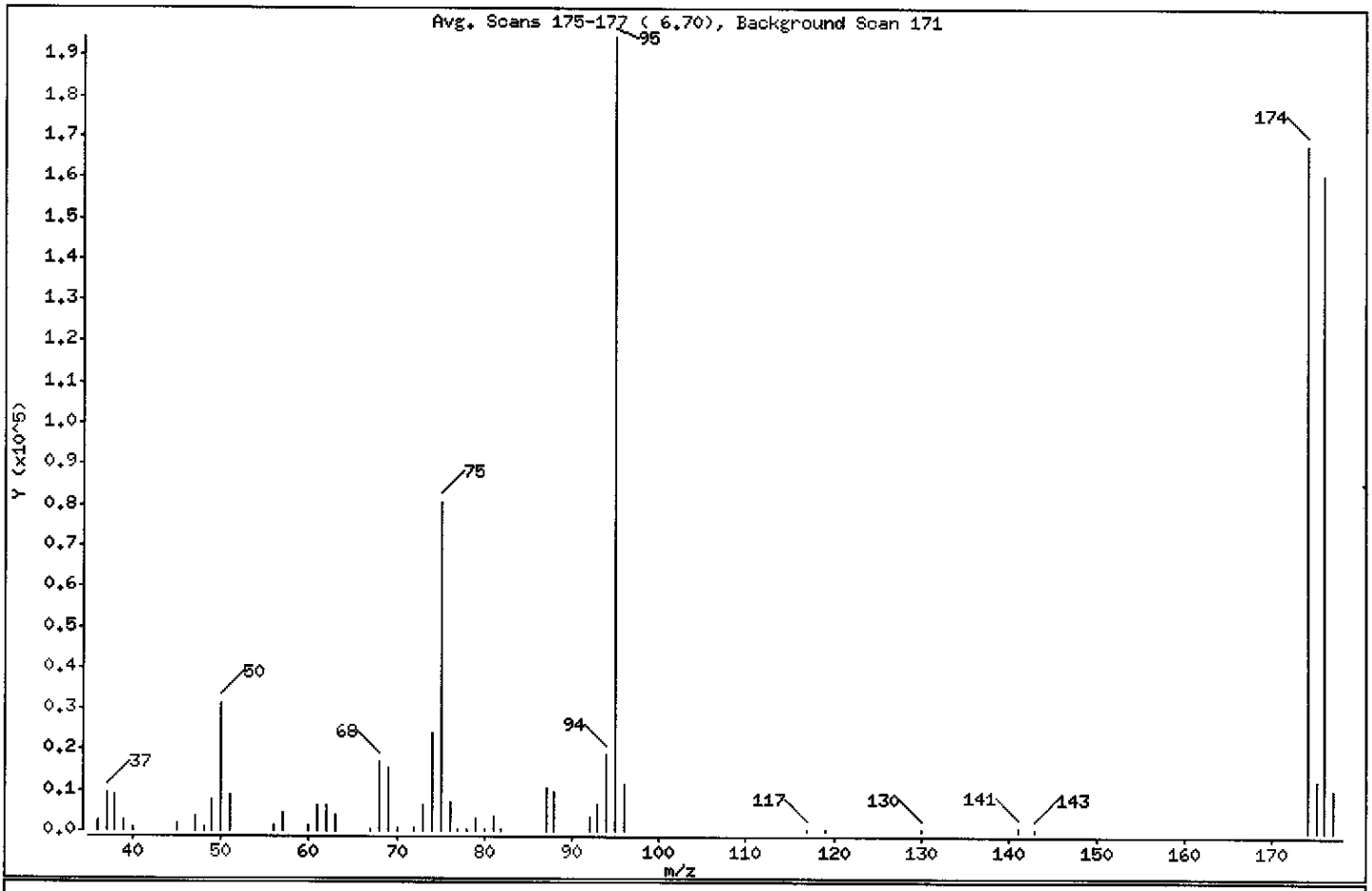
Sample Info: ,BFB1M,BFB1M,

Operator: LG/YD

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	16.15
75	30.00 - 66.00% of mass 95	41.51
96	5.00 - 9.00% of mass 95	6.10
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	86.45
175	4.00 - 9.00% of mass 174	6.56 (7.58)
176	93.00 - 101.00% of mass 174	82.70 (95.66)
177	5.00 - 9.00% of mass 176	5.36 (6.48)

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7810.D

Date : 26-MAY-2005 10:22

Client ID: BFB1M

Instrument: V1.i

Sample Info: ,BFB1M,BFB1M,

Operator: LG/YD

Column phase: DB-624

Column diameter: 0.25

Data File: V1G7810.D

Spectrum: Avg. Scans 175-177 (6.70), Background Scan 171

Location of Maximum: 95.00

Number of points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2902	60.00	1167	77.00	496	117.00	376
37.00	9460	61.00	6366	78.00	625	119.00	369
38.00	8927	62.00	6456	79.00	3306	130.00	383
39.00	2830	63.00	4184	80.00	397	141.00	882
40.00	805	67.00	362	81.00	3689	143.00	496
45.00	1702	68.00	17144	82.00	371	174.00	168256
47.00	3472	69.00	15673	87.00	10684	175.00	12759
48.00	1043	70.00	937	88.00	9995	176.00	160960
49.00	7467	72.00	819	92.00	3756	177.00	10431
50.00	31424	73.00	6271	93.00	6589		
51.00	9053	74.00	24128	94.00	18800		
56.00	1392	75.00	80784	95.00	194624		
57.00	4642	76.00	7046	96.00	11864		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7810.D

Date : 26-MAY-2005 10:22

Client ID: BFB1M

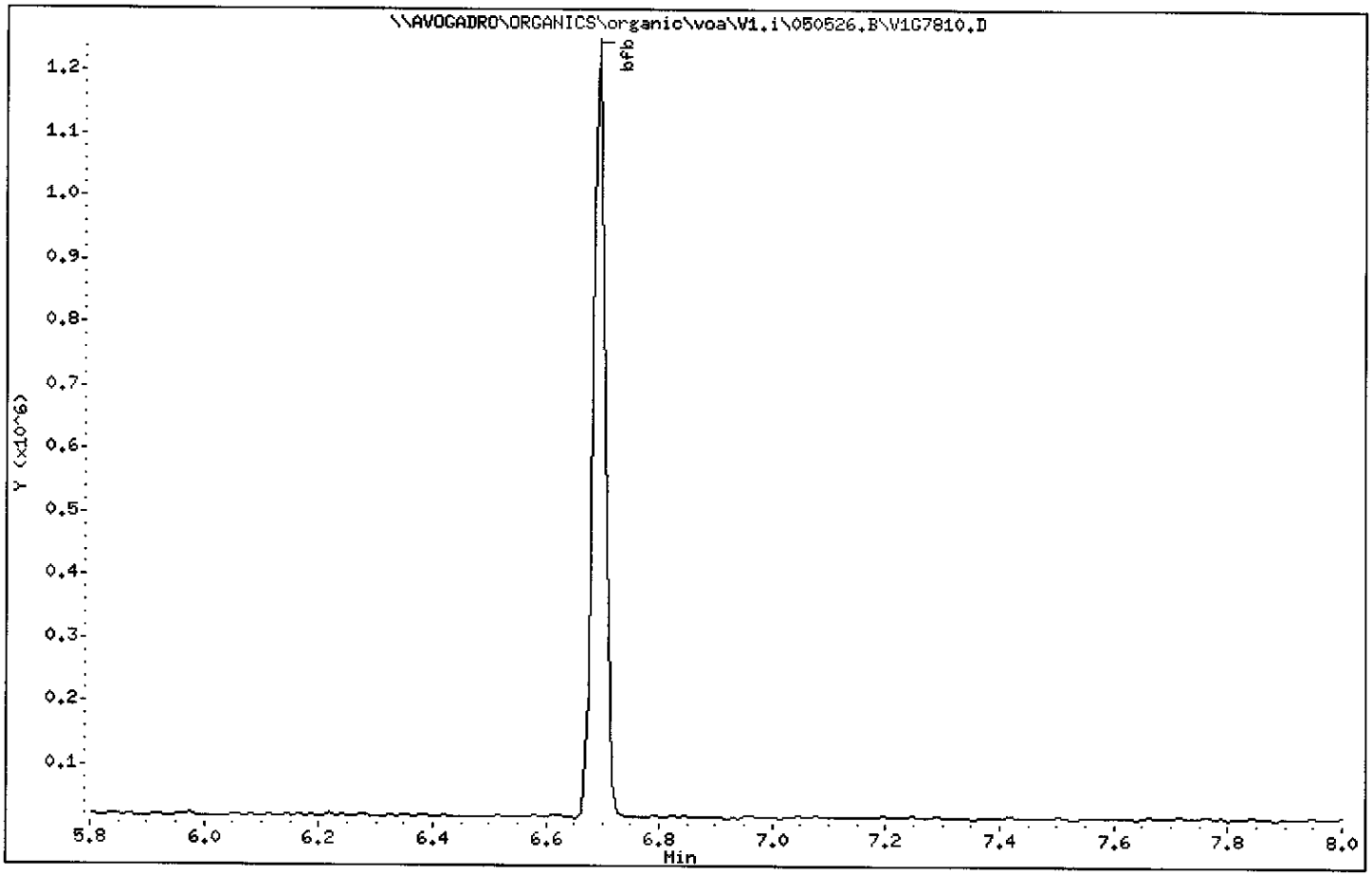
Instrument: V1.i

Sample Info: ,BFB1M,BFB1M,

Operator: LG/YD

Column phase: DB-624

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1C7830.D

Date : 27-MAY-2005 09:49

Client ID: BFB1N

Instrument: V1.i

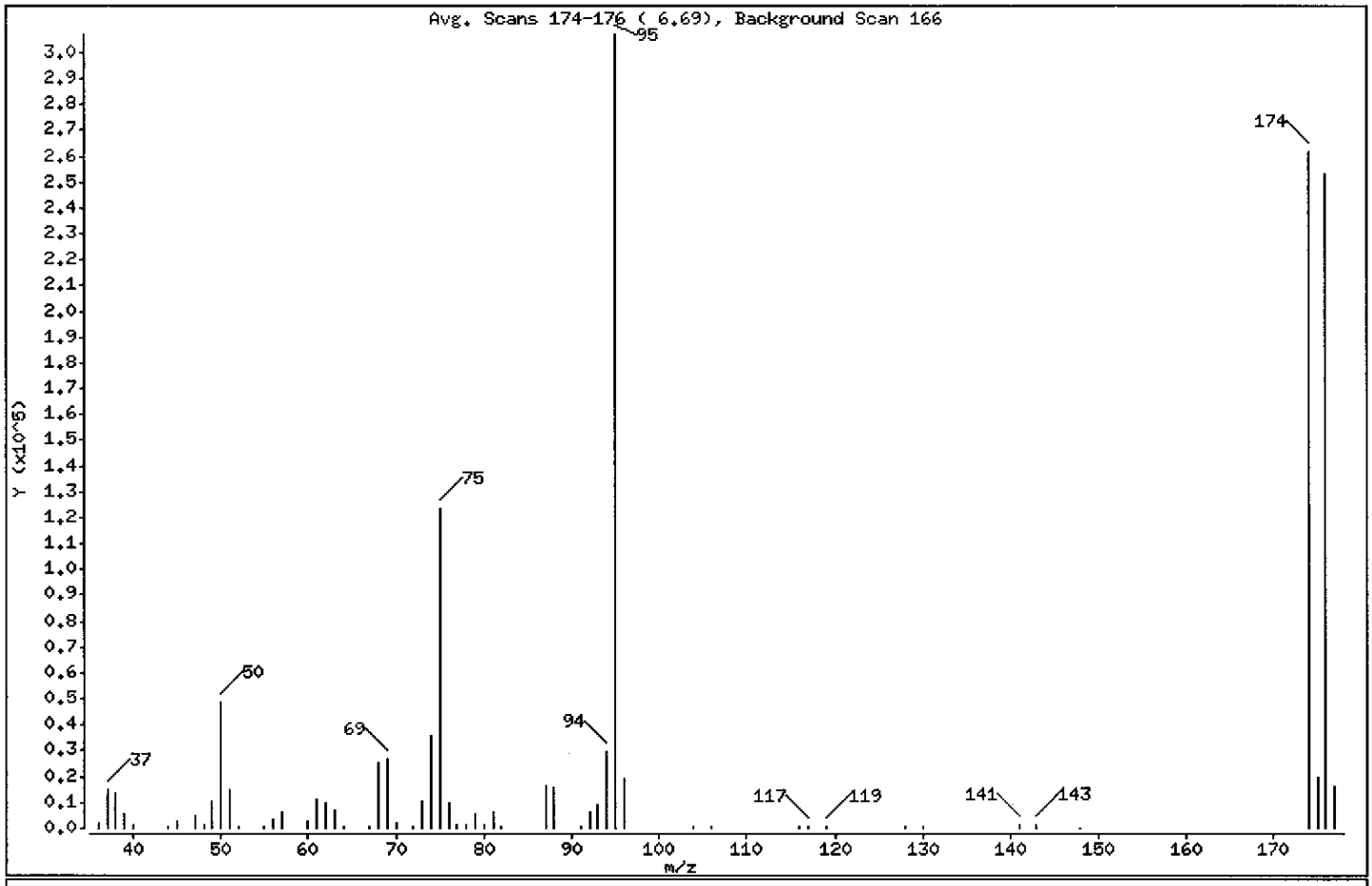
Sample Info: ,BFB1N,BFB1N,

Operator: LG/YD

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	15.87
75	30.00 - 66.00% of mass 95	40.18
96	5.00 - 9.00% of mass 95	6.18
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	85.35
175	4.00 - 9.00% of mass 174	6.49 (7.61)
176	93.00 - 101.00% of mass 174	82.55 (96.73)
177	5.00 - 9.00% of mass 176	5.21 (6.31)

Date : 27-MAY-2005 09:49

Client ID: BFB1N Instrument: V1.i

Sample Info: ,BFB1N,BFB1N, Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25

Data File: V1G7830.D
Spectrum: Avg. Scans 174-176 (6.69), Background Scan 166
Location of Maximum: 95.00
Number of points: 58

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2076	57.00	6326	77.00	1759	106.00	485
37.00	14720	60.00	2752	78.00	1280	116.00	441
38.00	13244	61.00	11157	79.00	5725	117.00	1042
39.00	5468	62.00	9753	80.00	1252	119.00	929
40.00	1501	63.00	7070	81.00	6210	128.00	401
44.00	1048	64.00	371	82.00	775	130.00	383
45.00	2809	67.00	823	87.00	16128	141.00	1484
47.00	5174	68.00	25368	88.00	15738	143.00	1166
48.00	1534	69.00	27040	91.00	390	148.00	336
49.00	10656	70.00	1880	92.00	6511	174.00	262016
50.00	48720	72.00	967	93.00	9319	175.00	19928
51.00	15021	73.00	10526	94.00	29784	176.00	253440
52.00	751	74.00	35648	95.00	307008	177.00	15991
55.00	921	75.00	123368	96.00	18968		
56.00	3565	76.00	10021	104.00	886		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7830.D

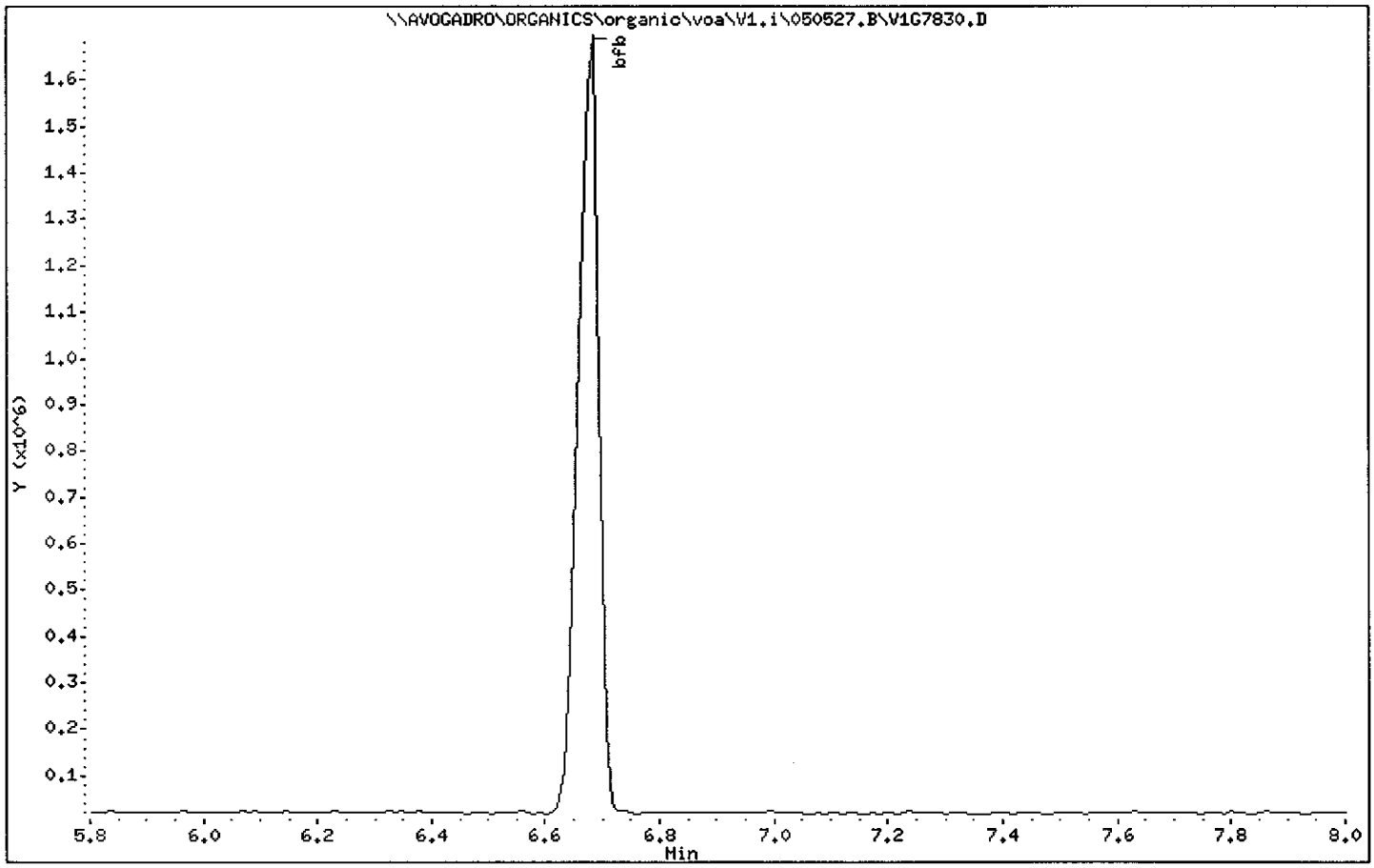
Date : 27-MAY-2005 09:49

Client ID: BFB1N Instrument: V1.i

Sample Info: ,BFB1N,BFB1N,

Operator: LG/YD

Column phase: DB-624 Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6360.D

Date : 01-JUN-2005 09:42

Client ID: BFB6Q

Instrument: v6.i

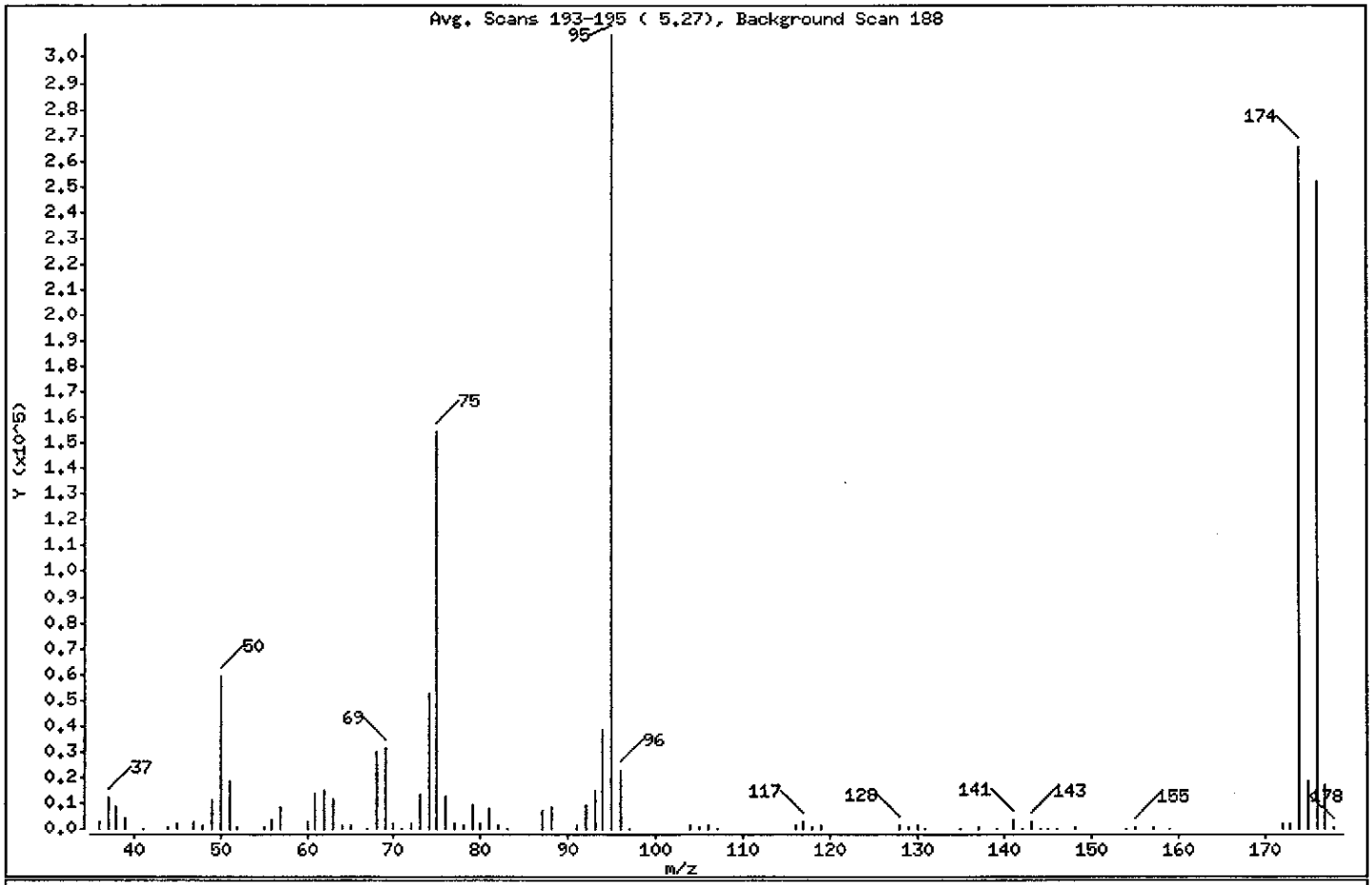
Sample Info: ,BFB6Q,BFB6Q

Operator: SB

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.17
75	30.00 - 66.00% of mass 95	50.06
96	5.00 - 9.00% of mass 95	7.27
173	Less than 2.00% of mass 174	0.79 (0.92)
174	50.00 - 120.00% of mass 95	86.03
175	4.00 - 9.00% of mass 174	6.06 (7.04)
176	93.00 - 101.00% of mass 174	81.50 (94.73)
177	5.00 - 9.00% of mass 176	5.60 (6.87)

COPY

Original Documents Are Included in CSF_____

Signed:_____ Date:_____

Date : 01-JUN-2005 09:42

Client ID: BFB6Q Instrument: v6.i

Sample Info: ,BFB6Q,BFB6Q

Operator: SB

Column phase: DB-624 Column diameter: 0.25

Data File: V6D6360.D
Spectrum: Avg. Scans 193-195 (5.27), Background Scan 188
Location of Maximum: 95.00
Number of points: 81

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2905	65.00	1399	92.00	8998	141.00	3747
37.00	12246	67.00	323	93.00	14623	142.00	210
38.00	8509	68.00	29992	94.00	38104	143.00	2937
39.00	4499	69.00	31480	95.00	308864	144.00	247
41.00	182	70.00	2261	96.00	22456	145.00	345
44.00	633	71.00	278	97.00	180	146.00	271
45.00	1958	72.00	2001	104.00	1388	148.00	637
47.00	3081	73.00	13403	105.00	850	154.00	186
48.00	1725	74.00	52496	106.00	1130	155.00	871
49.00	11553	75.00	154624	107.00	342	157.00	705
50.00	59216	76.00	13075	116.00	1590	159.00	192
51.00	18512	77.00	2237	117.00	2672	172.00	1877
52.00	851	78.00	1603	118.00	782	173.00	2445
55.00	923	79.00	9281	119.00	1488	174.00	265728
56.00	3714	80.00	2433	128.00	1642	175.00	18712
57.00	8459	81.00	7988	129.00	557	176.00	251712
60.00	2839	82.00	1522	130.00	1232	177.00	17288
61.00	13774	83.00	340	131.00	180	178.00	381
62.00	15085	87.00	7385	135.00	316		
63.00	11257	88.00	8555	137.00	372		
64.00	1608	91.00	1217	139.00	184		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6360.D

Date : 01-JUN-2005 09:42

Client ID: BFB6Q

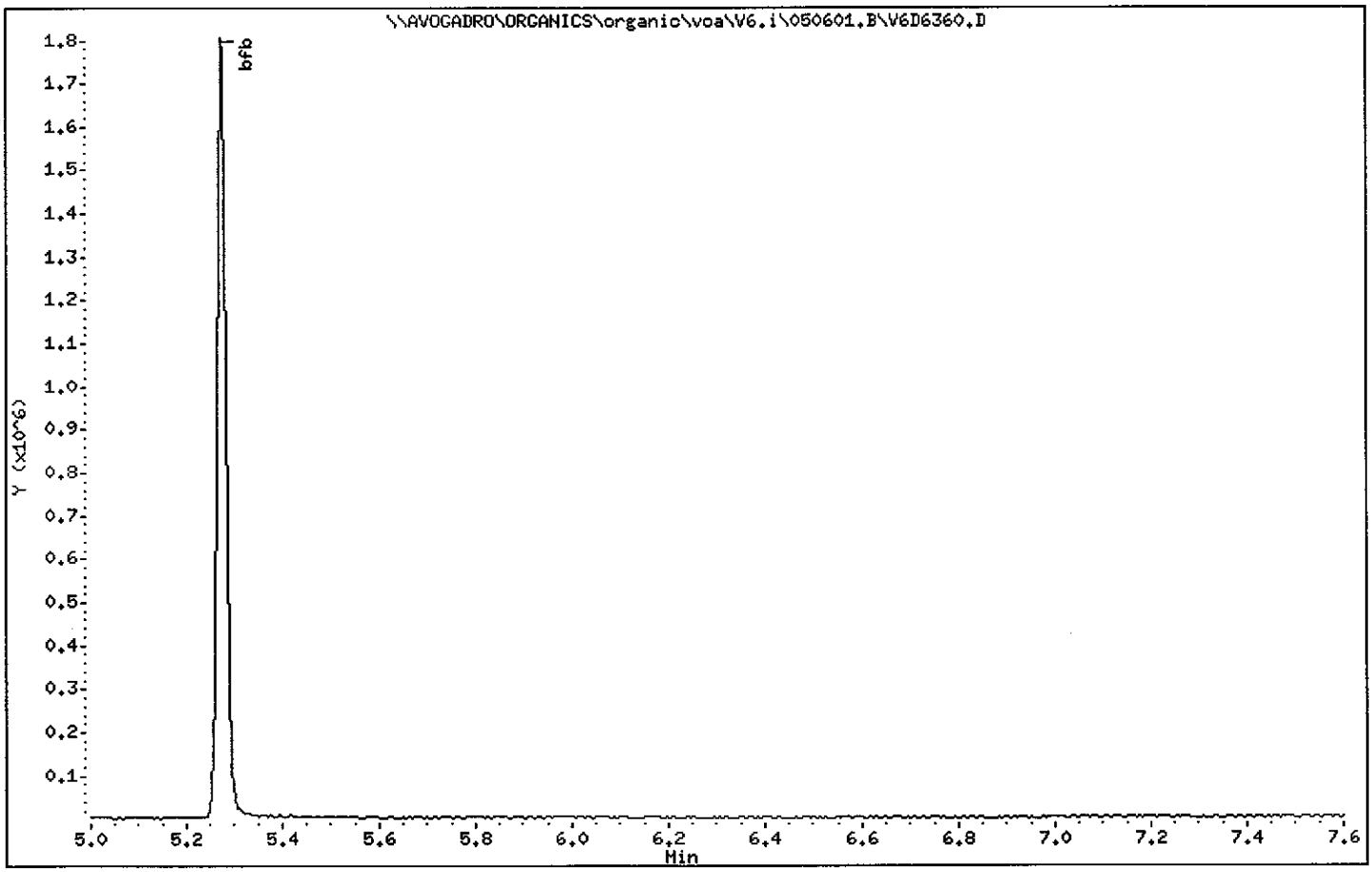
Instrument: v6.i

Sample Info: ,BFB6Q,BFB6Q

Operator: SB

Column phase: DB-624

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6390.D

Date : 02-JUN-2005 09:12

Client ID: BFB6T

Instrument: v6.i

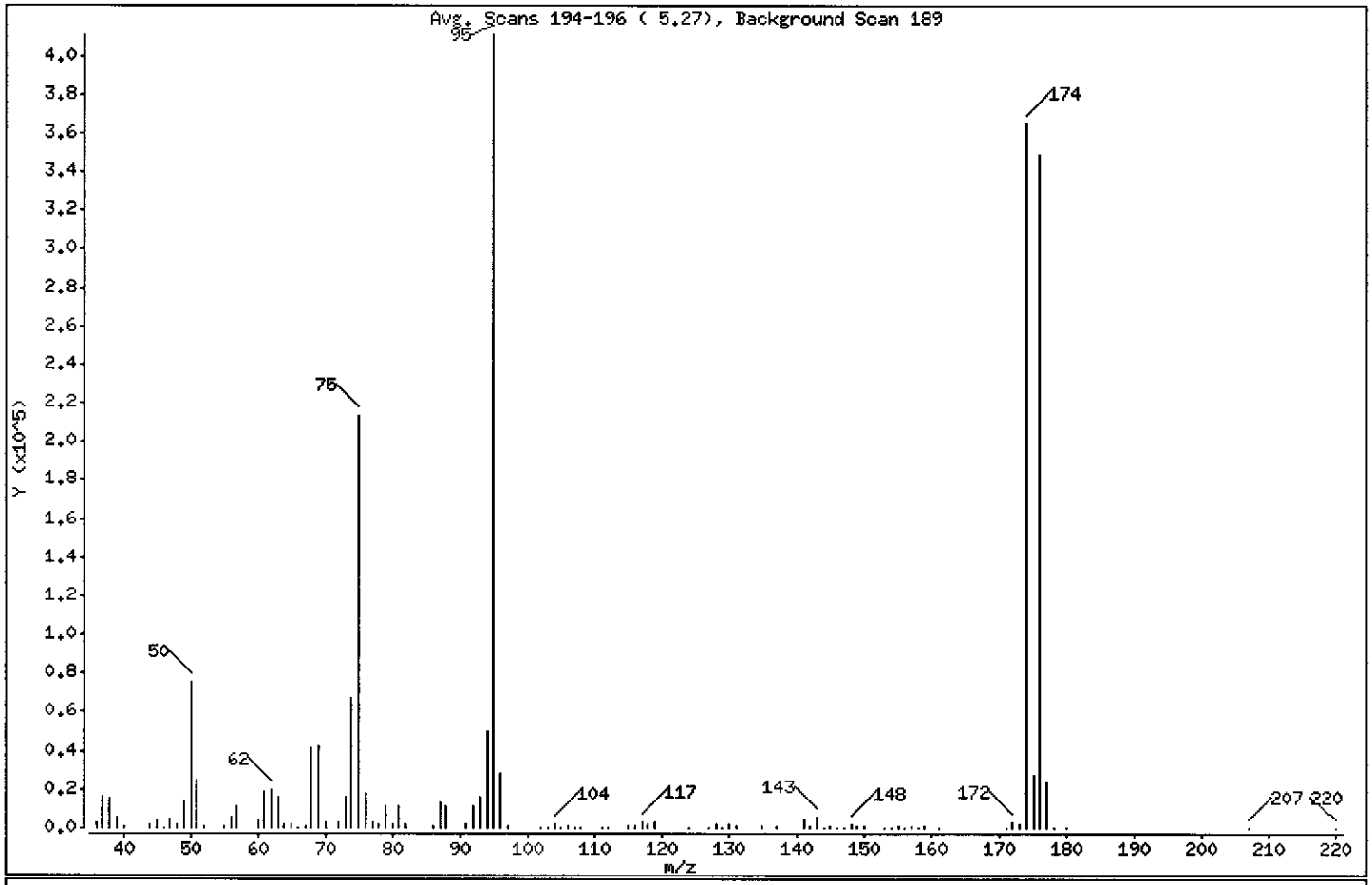
Sample Info: ,BFB6T,BFB6T

Operator: SB

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	18.43
75	30.00 - 66.00% of mass 95	52.04
96	5.00 - 9.00% of mass 95	6.84
173	Less than 2.00% of mass 174	0.51 (0.58)
174	50.00 - 120.00% of mass 95	88.68
175	4.00 - 9.00% of mass 174	6.72 (7.58)
176	93.00 - 101.00% of mass 174	84.94 (95.78)
177	5.00 - 9.00% of mass 176	5.79 (6.81)

Date : 02-JUN-2005 09:12

Client ID: BFB6T Instrument: v6.i

Sample Info: ,BFB6T,BFB6T

Operator: SB

Column phase: DB-624 Column diameter: 0.25

Data File: V6D6390.D
Spectrum: Avg. Scans 194-196 (5.27), Background Scan 189
Location of Maximum: 95.00
Number of points: 100

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2574	69.00	42560	105.00	245	148.00	1486
37.00	15896	70.00	3229	106.00	1313	149.00	501
38.00	14707	72.00	2605	107.00	218	150.00	681
39.00	5778	73.00	16320	108.00	227	153.00	216
40.00	709	74.00	66712	111.00	417	154.00	401
44.00	1793	75.00	213824	112.00	202	155.00	741
45.00	3372	76.00	17488	115.00	552	156.00	435
46.00	447	77.00	2483	116.00	1373	157.00	775
47.00	4814	78.00	1563	117.00	3206	158.00	273
48.00	2239	79.00	11013	118.00	1968	159.00	541
49.00	14574	80.00	2279	119.00	2617	161.00	170
50.00	75728	81.00	10954	124.00	217	171.00	179
51.00	24688	82.00	1813	127.00	170	172.00	3090
52.00	957	86.00	638	128.00	1593	173.00	2109
55.00	1073	87.00	13574	129.00	471	174.00	364352
56.00	5649	88.00	11252	130.00	1545	175.00	27600
57.00	11345	91.00	1528	131.00	696	176.00	348992
60.00	4082	92.00	11619	135.00	1019	177.00	23776
61.00	18528	93.00	16424	137.00	952	178.00	198
62.00	19592	94.00	50440	141.00	4691	180.00	196
63.00	16117	95.00	410880	142.00	570	207.00	237
64.00	1810	96.00	28088	143.00	5304	220.00	177
65.00	2089	97.00	966	144.00	184		
66.00	309	102.00	182	145.00	534		
67.00	1297	103.00	237	146.00	312		
68.00	41976	104.00	2066	147.00	414		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6390.D

Date : 02-JUN-2005 09:12

Client ID: BFB6T

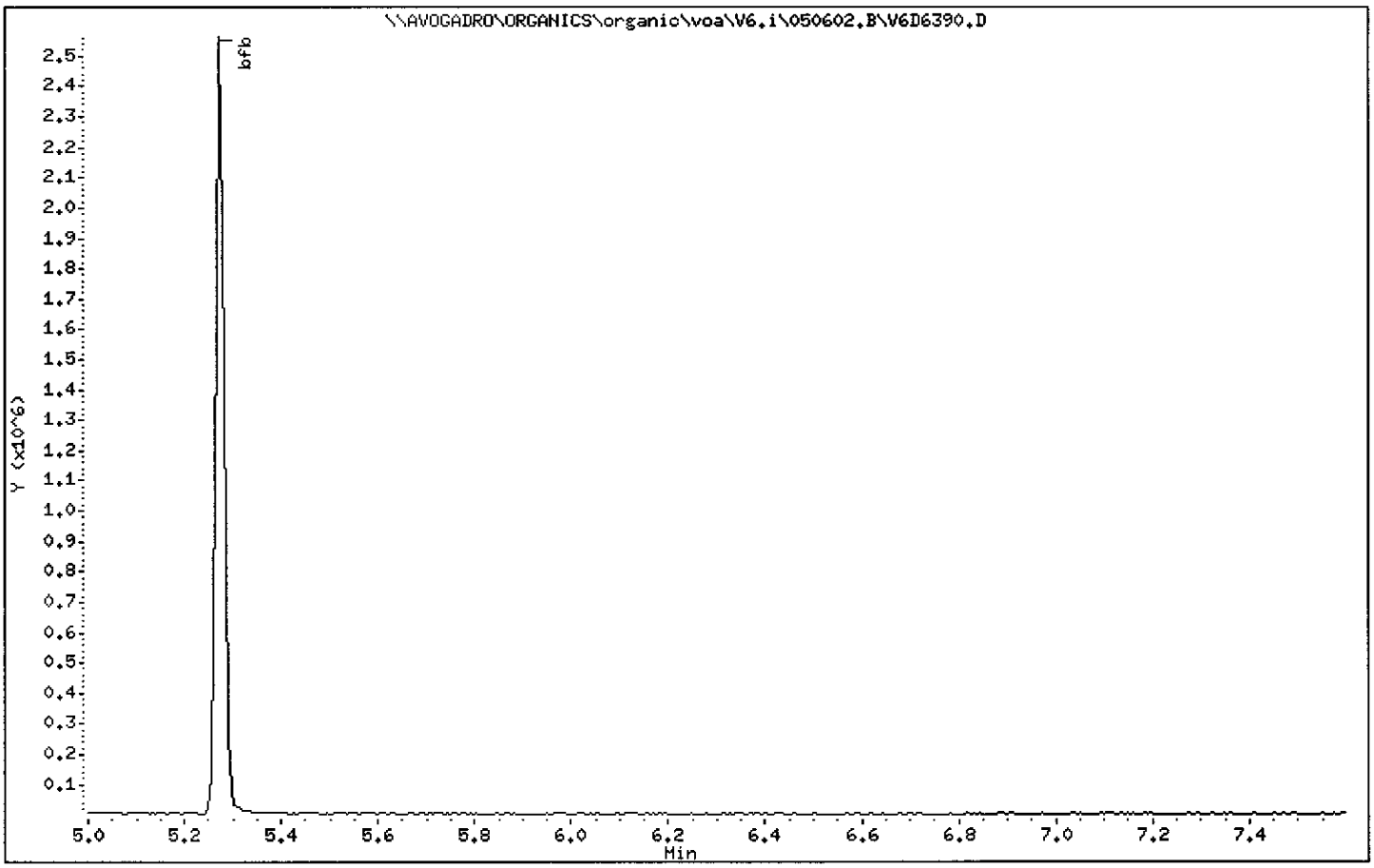
Instrument: v6.i

Sample Info: ,BFB6T,BFB6T

Operator: SB

Column phase: DB-624

Column diameter: 0.25



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1M

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18283

Sample wt/vol: 5.0(g/mL) G Lab File ID: V1G7812

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/26/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1M

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18283

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1G7812

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/26/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VBLK1M

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18283

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1G7812

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/26/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

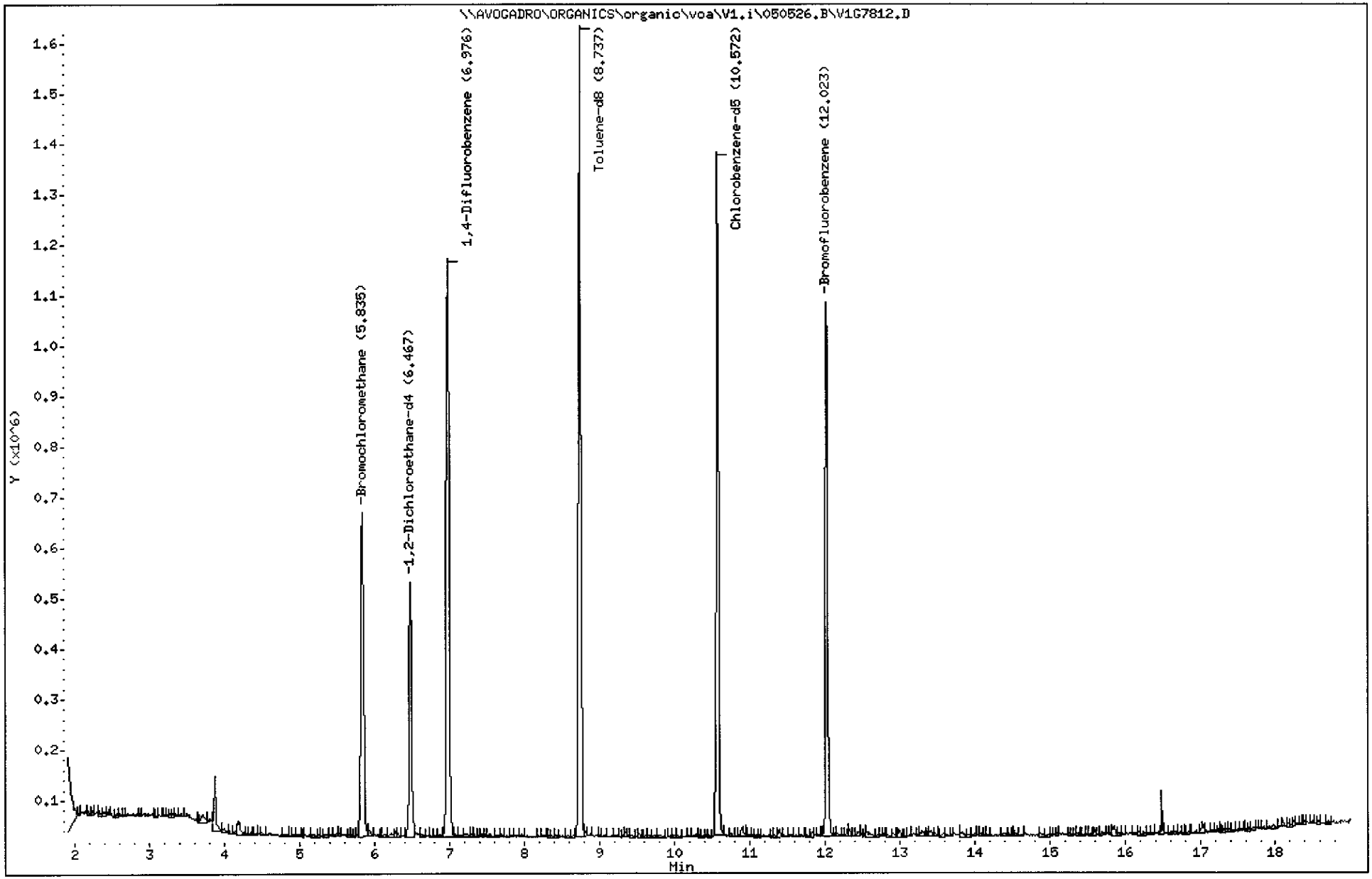
Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.86	5	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7812.D
Date : 26-MAY-2005 11:32
Client ID: VBLK1M
Instrument: V1.i
Sample Info: ,MB-18283,VBLK1M,18283,
Operator: LG/YD
Column phase: DB-624
Column diameter: 0.25



0206

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7812.D
Report Date: 18-Jun-2005 09:44

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7812.D
Lab Smp Id: MB-18283 Client Smp ID: VBLK1M
Inj Date : 26-MAY-2005 11:32
Operator : LG/YD Inst ID: V1.i
Smp Info : ,MB-18283,VBLK1M,18283,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\v1clp4h.m
Meth Date : 18-Jun-2005 09:28 mtl Quant Type: ISTD
Cal Date : 26-MAY-2005 10:49 Cal File: V1G7811.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
* 18 Bromochloromethane	128	5.835	5.835	(1.000)	234312	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.467	6.468	(1.108)	353133	52.1865	52
* 26 1,4-Difluorobenzene	114	6.976	6.976	(1.000)	1224958	50.0000	
$ 33 Toluene-d8	98	8.737	8.737	(0.826)	1308696	51.6557	52
* 42 Chlorobenzene-d5	117	10.572	10.572	(1.000)	1019983	50.0000	
$ 50 Bromofluorobenzene	95	12.023	12.023	(1.137)	482082	51.7641	52

AN
6/18/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7812.D
Report Date: 18-Jun-2005 09:44

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7812.D
Lab Smp Id: MB-18283 Client Smp ID: VBLK1M
Inj Date : 26-MAY-2005 11:32
Operator : LG/YD Inst ID: V1.i
Smp Info : ,MB-18283,VBLK1M,18283,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\v1clp4h.m
Meth Date : 18-Jun-2005 09:28 mtl Quant Type: ISTD
Cal Date : 26-MAY-2005 10:49 Cal File: V1G7811.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

ISTD	RT	AREA	AMOUNT
* 18 Bromochloromethane	5.835	1563685	50.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
3.863	167426	5.35357185	5	0		0	18

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050526.B\V1G7812.D

Date : 26-MAY-2005 11:32

Client ID: VBLK1M

Instrument: V1.i

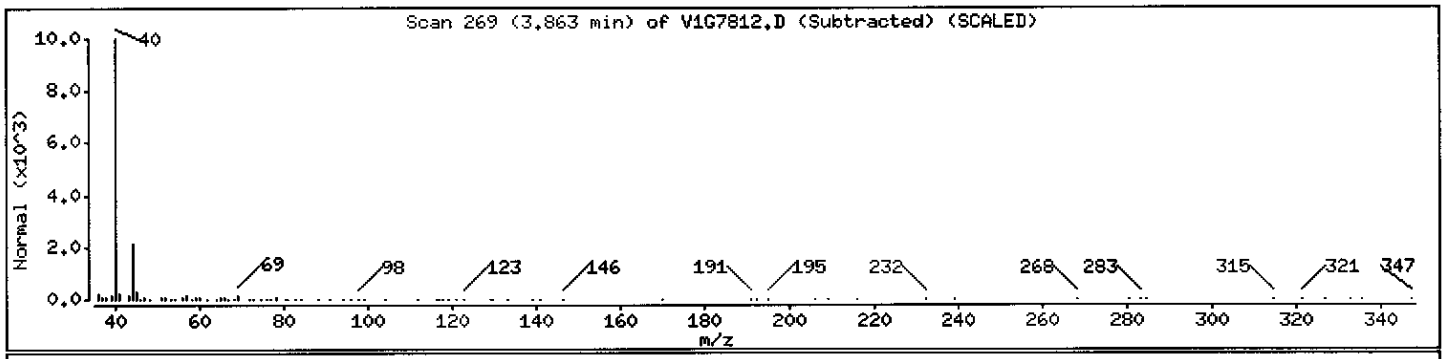
Sample Info: ,MB-18283,VBLK1M,18283,

Operator: LG/YD

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1N

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18299

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1G7832

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1N

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18299

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1G7832

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	2	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK1N

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18299

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1G7832

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

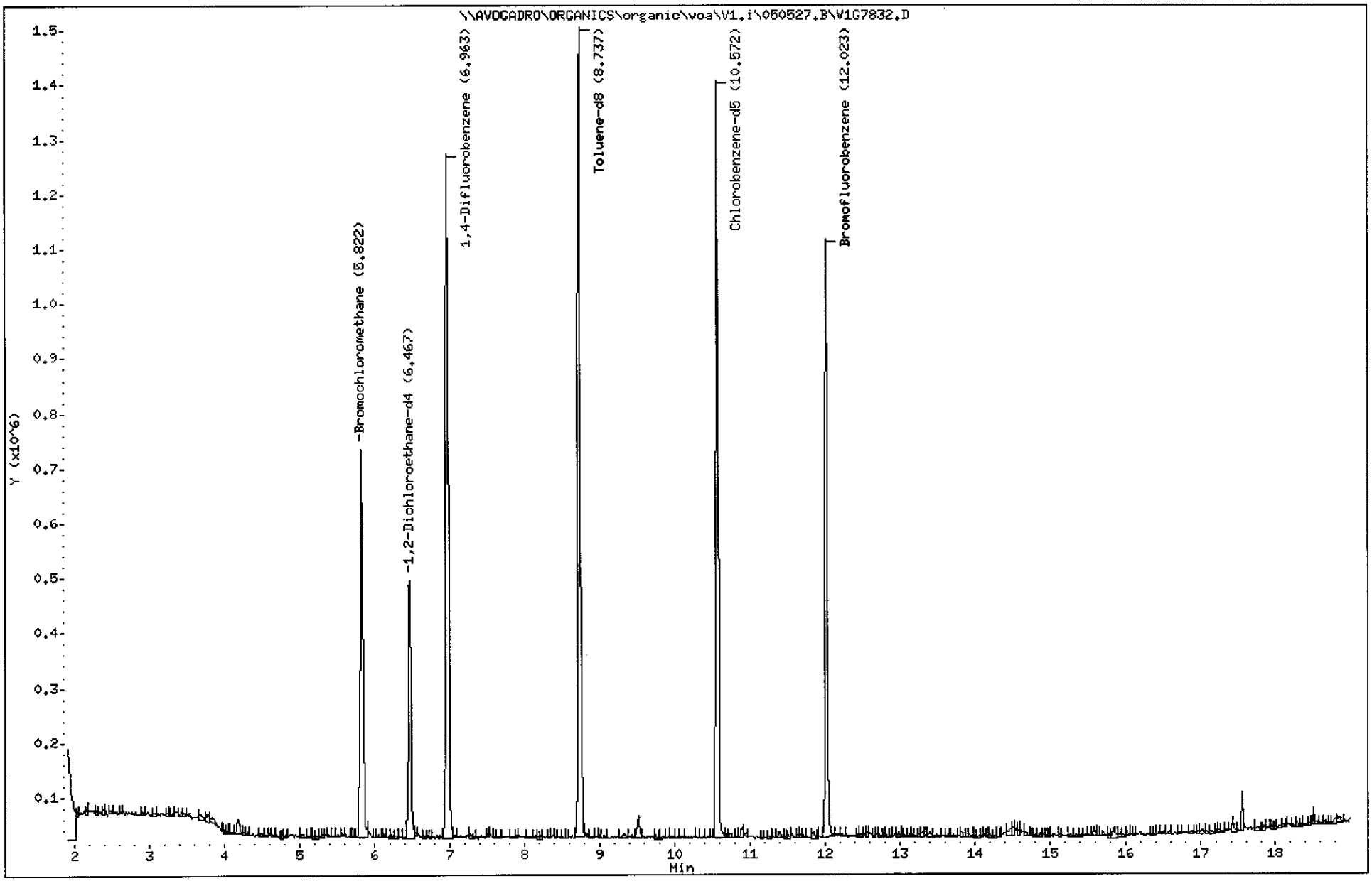
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7832.D
Date : 27-MAY-2005 10:50
Client ID: VBLK1N
Sample Info: ,MB-18299,VBLK1N,18299,

Instrument: V1.i

Operator: LG/YD
Column diameter: 0.25

Column phase: DB-624



Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7832.D
Report Date: 18-Jun-2005 09:26

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7832.D
Lab Smp Id: MB-18299 Client Smp ID: VBLK1N
Inj Date : 27-MAY-2005 10:50
Operator : LG/YD Inst ID: V1.i
Smp Info : ,MB-18299,VBLK1N,18299,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\v1clp4h.m
Meth Date : 18-Jun-2005 09:19 mtl Quant Type: ISTD
Cal Date : 27-MAY-2005 10:13 Cal File: V1G7831.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
*	18 Bromochloromethane	128	5.822	5.834	(1.000)	240792	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.467	6.466	(1.111)	358304	56.5269	57
*	26 1,4-Difluorobenzene	114	6.963	6.975	(1.000)	1257485	50.0000	
$	33 Toluene-d8	98	8.737	8.736	(0.826)	1261752	52.0580	52
	37 Tetrachloroethene	164	9.518	9.530	(0.900)	10193	2.02014	2(aQ)
*	42 Chlorobenzene-d5	117	10.572	10.571	(1.000)	1025303	50.0000	
$	50 Bromofluorobenzene	95	12.023	12.022	(1.137)	453074	50.1605	50

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7832.D
Report Date: 18-Jun-2005 09:26

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7832.D
Lab Smp Id: MB-18299 Client Smp ID: VBLK1N
Inj Date : 27-MAY-2005 10:50
Operator : LG/YD Inst ID: V1.i
Smp Info : ,MB-18299,VBLK1N,18299,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\v1clp4h.m
Meth Date : 18-Jun-2005 09:19 mtl Quant Type: ISTD
Cal Date : 27-MAY-2005 10:13 Cal File: V1G7831.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7832.D

Date : 27-MAY-2005 10:50

Client ID: VBLK1N

Instrument: V1.i

Sample Info: ,MB-18299,VBLK1N,18299,

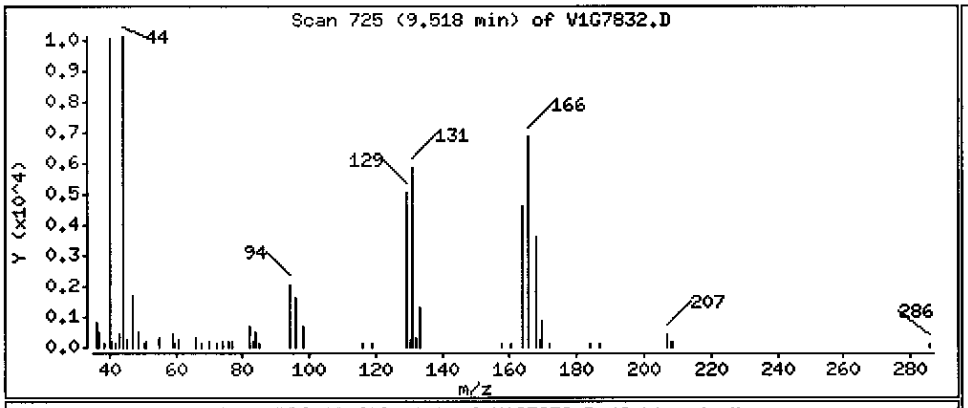
Operator: LG/YD

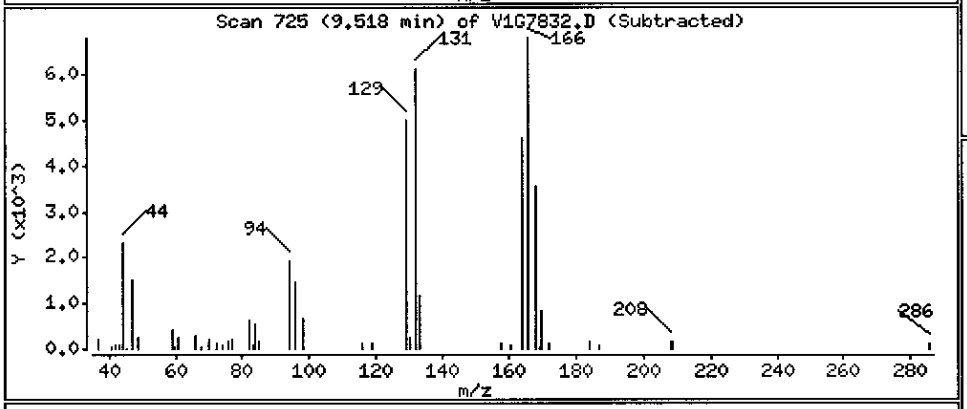
Column phase: DB-624

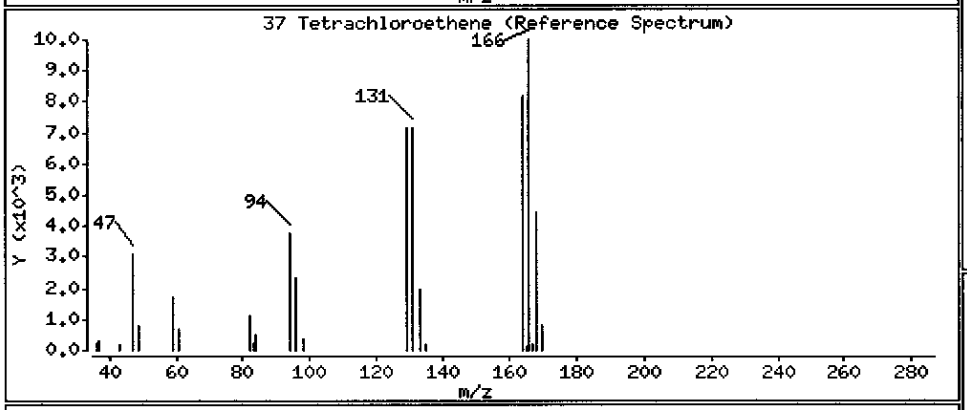
Column diameter: 0.25

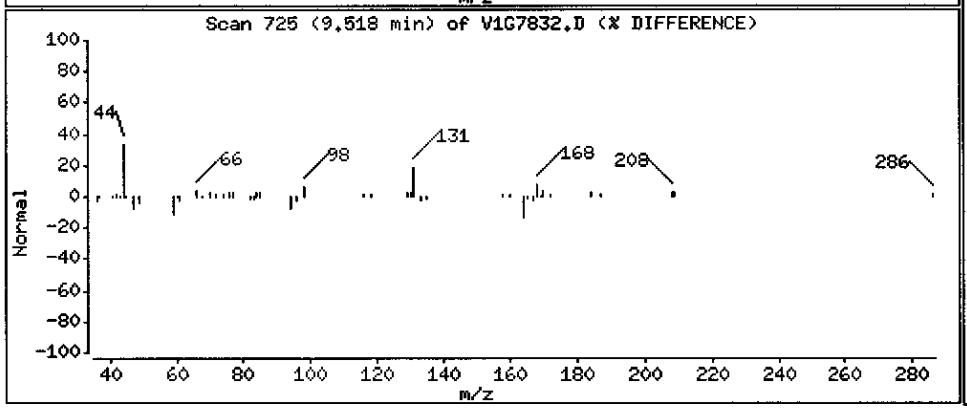
37 Tetrachloroethene

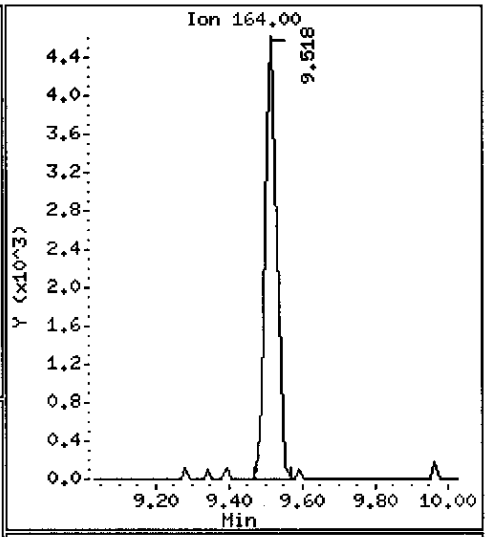
Concentration: 2 ug/Kg

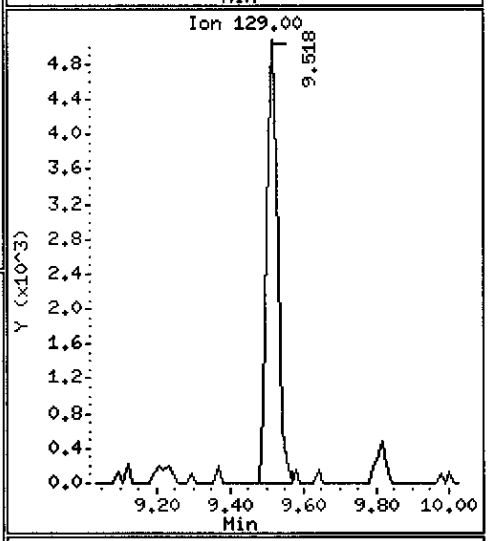


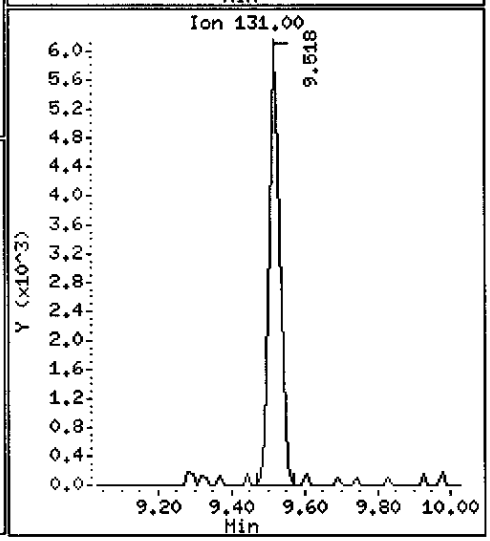












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6U

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18359

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6393

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-35-4	1,1-Dichloroethene	1300	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300	U
156-60-5	trans-1,2-Dichloroethene	1300	U
1634-04-4	Methyl tert-Butyl Ether	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone	1300	U
67-66-3	Chloroform	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
110-82-7	Cyclohexane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
71-43-2	Benzene	1300	U
107-06-2	1,2-Dichloroethane	1300	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6U

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18359

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6393

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	1300	U
108-87-2	Methylcyclohexane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
108-88-3	Toluene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	1300	U
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
106-93-4	1,2-Dibromoethane	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
1330-20-7	Xylene (Total)	1300	U
100-42-5	Styrene	1300	U
75-25-2	Bromoform	1300	U
98-82-8	Isopropylbenzene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
96-12-8	1,2-Dibromo-3-chloropropane	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U

1F

EPA SAMPLE NO.

VBLK6U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: MB-18359

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6393

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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19.					
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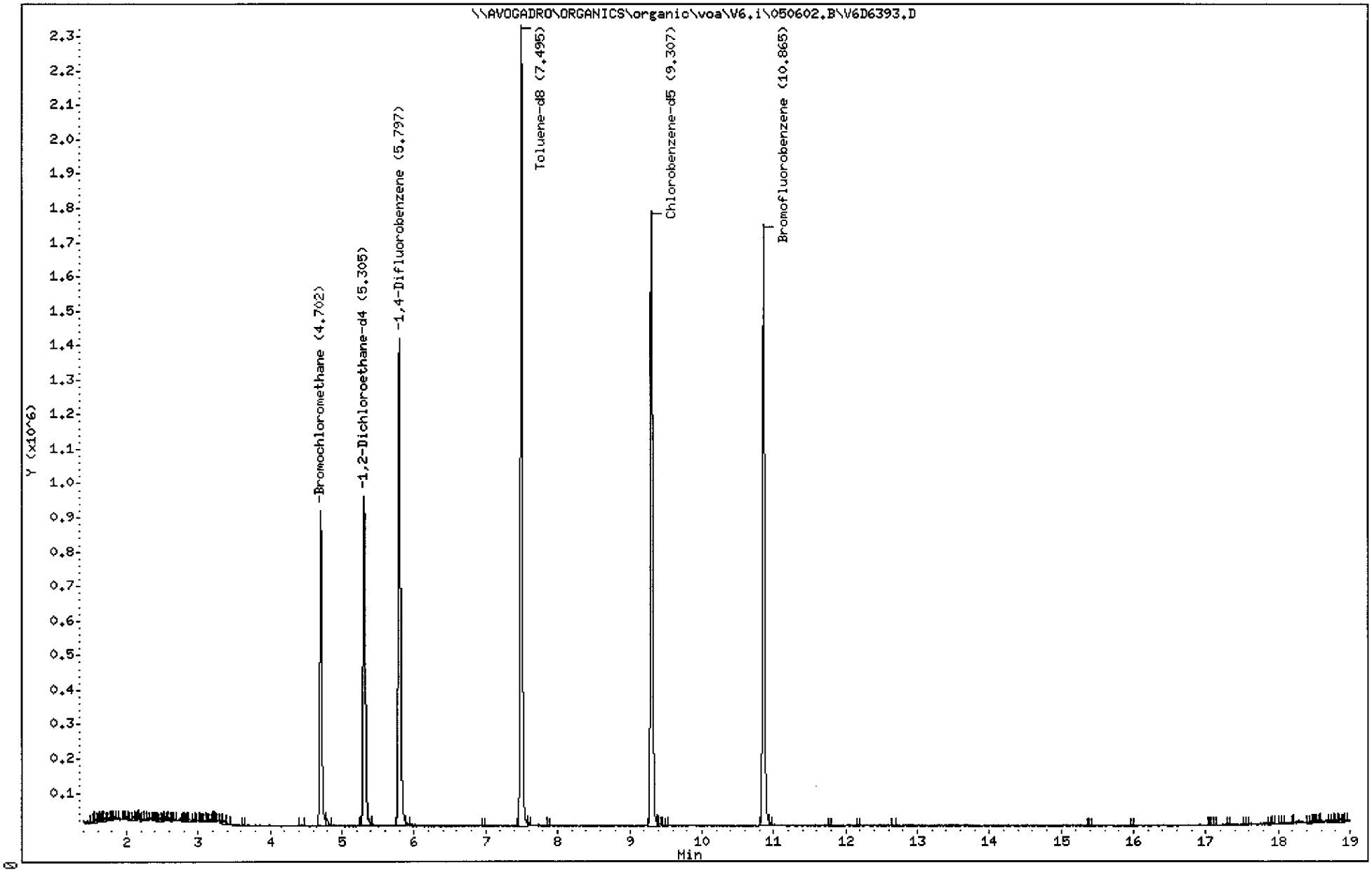
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6393.D
Date : 02-JUN-2005 11:02
Client ID: VBLK6U
Instrument: V6.i
Sample Info: ,MB-18359,VBLK6U
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0220

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6393.D
Report Date: 21-Jun-2005 07:34

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6393.D
Lab Smp Id: MB-18359 Client Smp ID: VBLK6U
Inj Date : 02-JUN-2005 11:02
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18359,VBLK6U
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET7

Concentration Formula:
Amt * DF * Uf * ((Vt+ Ws*M/100) * 5)/(Va * Ws * ((100-M)/100))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	4.000	Weight of sample extracted (g)
M	0.000	% Moisture (not decanted)
Vt	10000.000	Methanol extract volume (uL)
Va	100.000	Aliquot of methanol (uL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
* 18 Bromochloromethane	128	4.702	4.695	(1.000)	287468	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.305	5.303	(1.128)	855979	53.6911	6700
* 26 1,4-Difluorobenzene	114	5.797	5.796	(1.000)	1215398	50.0000	
$ 33 Toluene-d8	98	7.495	7.493	(0.805)	1751831	55.6249	7000
* 42 Chlorobenzene-d5	117	9.307	9.306	(1.000)	1215687	50.0000	
$ 50 Bromofluorobenzene	95	10.865	10.857	(1.167)	662296	51.2587	6400

KC
6/21/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6393.D
Report Date: 18-Jun-2005 11:11

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6393.D
Lab Smp Id: MB-18359 Client Smp ID: VBLK6U
Inj Date : 02-JUN-2005 11:02
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18359,VBLK6U
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 18-Jun-2005 11:11 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) WATER Lab Sample ID: MB-18358

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6392

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) WATER Lab Sample ID: MB-18358

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6392

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) WATER Lab Sample ID: MB-18358

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6392

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
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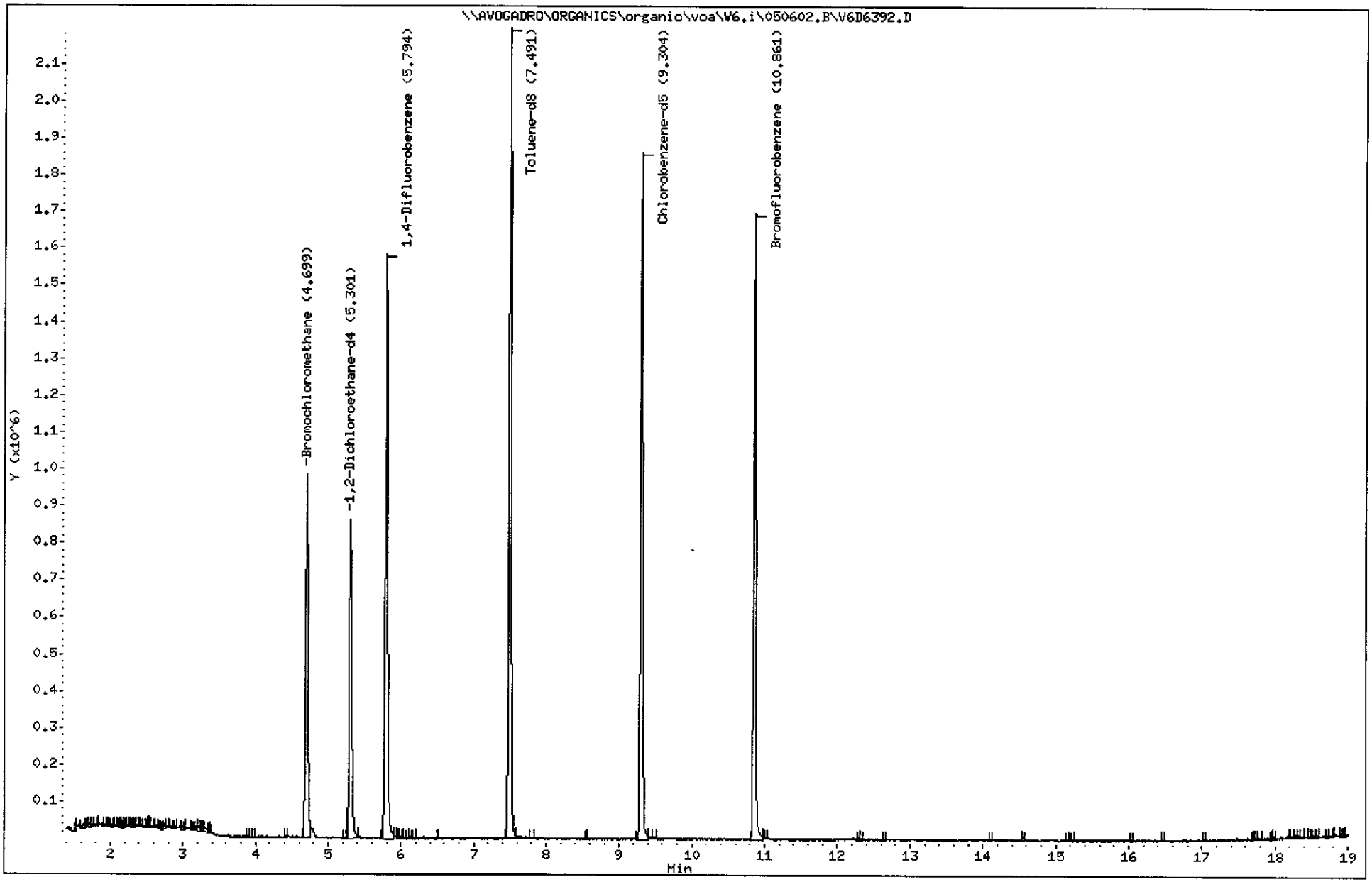
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6392.D
Date : 02-JUN-2005 10:35
Client ID: VBLK6T
Instrument: V6.i
Sample Info: ,MB-18358,VBLK6T
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0226

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6392.D
Report Date: 21-Jun-2005 07:33

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6392.D
Lab Smp Id: MB-18358 Client Smp ID: VBLK6T
Inj Date : 02-JUN-2005 10:35
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18358,VBLK6T
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	4.699	4.695	(1.000)	299792	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.301	5.303	(1.128)	818573	49.2341	49
* 26 1,4-Difluorobenzene	114	5.794	5.796	(1.000)	1323413	50.0000	
$ 33 Toluene-d8	98	7.491	7.493	(0.805)	1674338	50.8863	51
* 42 Chlorobenzene-d5	117	9.304	9.306	(1.000)	1270109	50.0000	
$ 50 Bromofluorobenzene	95	10.861	10.857	(1.167)	645738	47.8358	48

KC
6/21/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6392.D
Report Date: 21-Jun-2005 07:33

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6392.D
Lab Smp Id: MB-18358 Client Smp ID: VBLK6T
Inj Date : 02-JUN-2005 10:35
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18358,VBLK6T
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET7

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6T

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6398

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6T

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6398

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VHBLK6T

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6T

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6398

Level: (low/med) LOW Date Received: 05/25/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

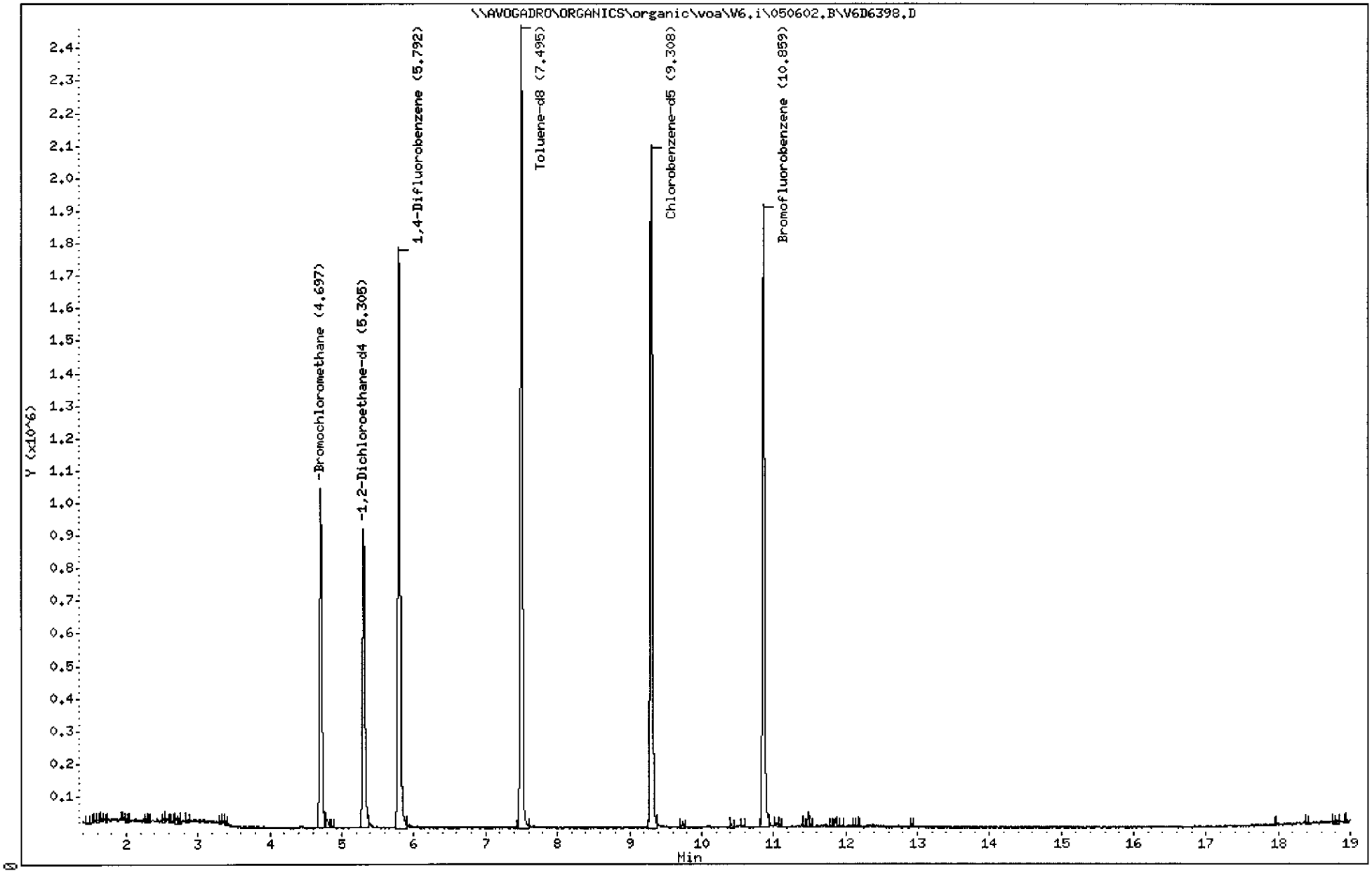
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6398.D
Date : 02-JUN-2005 14:09
Client ID: VHBLK6T
Instrument: V6.i
Sample Info: ,VHBLK6T,VHBLK6T
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0222

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6398.D
Report Date: 18-Jun-2005 11:12

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6398.D
Lab Smp Id: VHBLK6T Client Smp ID: VHBLK6T
Inj Date : 02-JUN-2005 14:09
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VHBLK6T,VHBLK6T
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 18-Jun-2005 11:11 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	4.697	4.695	(1.000)	332873	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.305	5.303	(1.130)	871118	47.1875	47
* 26 1,4-Difluorobenzene	114	5.792	5.796	(1.000)	1585784	50.0000	
$ 33 Toluene-d8	98	7.495	7.493	(0.805)	1899005	49.0935	49
* 42 Chlorobenzene-d5	117	9.308	9.306	(1.000)	1493143	50.0000	
$ 50 Bromofluorobenzene	95	10.859	10.857	(1.167)	729953	45.9971	46

AW
6/18/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6398.D
Report Date: 18-Jun-2005 11:12

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6398.D
Lab Smp Id: VHBLK6T Client Smp ID: VHBLK6T
Inj Date : 02-JUN-2005 14:09
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VHBLK6T,VHBLK6T
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 18-Jun-2005 11:11 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1NLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18299

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1G7833

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	58	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	58	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1NLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18299

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1G7833

Level: (low/med) LOW Date Received: _____

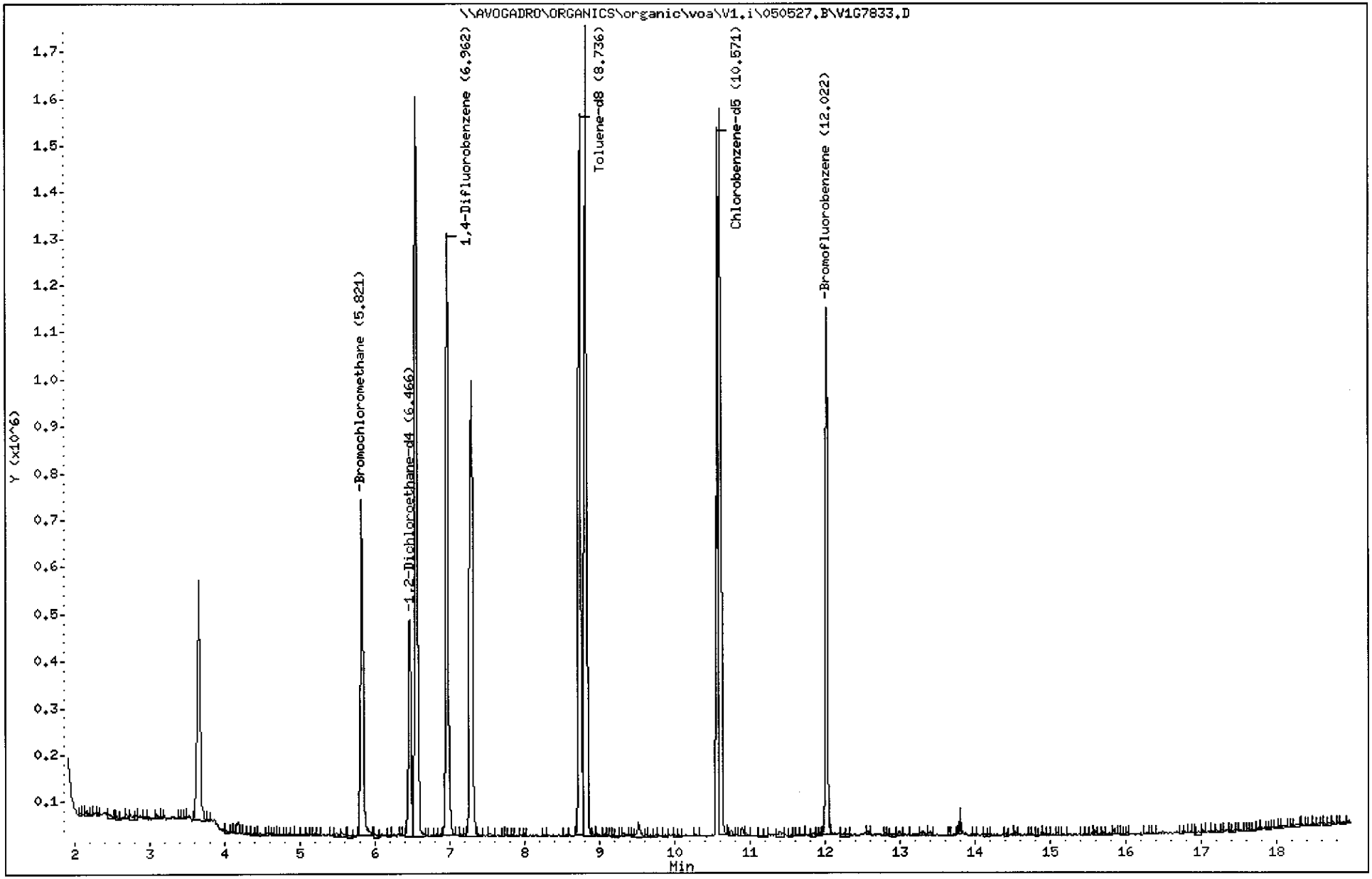
% Moisture: not dec. _____ Date Analyzed: 05/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (mL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	60	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	59	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	2	JB
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	58	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7833.D
Date : 27-MAY-2005 11:28
Client ID: V1NLCS
Instrument: V1.i
Sample Info: ,LCS-18299,V1NLCS,18299,
Operator: LG/YD
Column phase: DB-624
Column diameter: 0.25



0237

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7833.D
Report Date: 18-Jun-2005 09:26

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7833.D
Lab Smp Id: LCS-18299 Client Smp ID: V1NLCS
Inj Date : 27-MAY-2005 11:28
Operator : LG/YD Inst ID: V1.i
Smp Info : ,LCS-18299,V1NLCS,18299,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\v1clp4h.m
Meth Date : 18-Jun-2005 09:19 mtl Quant Type: ISTD
Cal Date : 27-MAY-2005 10:13 Cal File: V1G7831.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 1,1-Dichloroethene	96	3.651	3.651	(0.627)	296224	57.9055	58
*	18 Bromochloromethane	128	5.821	5.834	(1.000)	258667	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.454	6.466	(1.109)	358839	52.6992	53
	25 Benzene	78	6.541	6.553	(0.939)	1758564	58.1585	58
*	26 1,4-Difluorobenzene	114	6.962	6.975	(1.000)	1326700	50.0000	
	27 Trichloroethene	130	7.285	7.285	(1.046)	436039	59.8762	60
$	33 Toluene-d8	98	8.736	8.736	(0.826)	1289011	50.9963	51
	34 Toluene	91	8.810	8.823	(0.833)	1580107	59.0783	59
	37 Tetrachloroethene	164	9.517	9.530	(0.900)	8379	1.59248	2(a)
*	42 Chlorobenzene-d5	117	10.571	10.571	(1.000)	1069262	50.0000	
	43 Chlorobenzene	112	10.608	10.608	(1.004)	1058916	58.4758	58
$	50 Bromofluorobenzene	95	12.022	12.022	(1.137)	473145	50.2291	50

6/18/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V1.i\050527.B\V1G7833.D
Report Date: 18-Jun-2005 09:26

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6ULCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18359

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6395

Level: (low/med) MED Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorofluoromethane	1300	U
75-35-4	1,1-Dichloroethene	6800	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300	U
156-60-5	trans-1,2-Dichloroethene	1300	U
1634-04-4	Methyl tert-Butyl Ether	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone	1300	U
67-66-3	Chloroform	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
110-82-7	Cyclohexane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
71-43-2	Benzene	7300	
107-06-2	1,2-Dichloroethane	1300	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6ULCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0603

Matrix: (soil/water) SOIL Lab Sample ID: LCS-18359

Sample wt/vol: 4.0 (g/mL) G Lab File ID: V6D6395

Level: (low/med) MED Date Received: _____

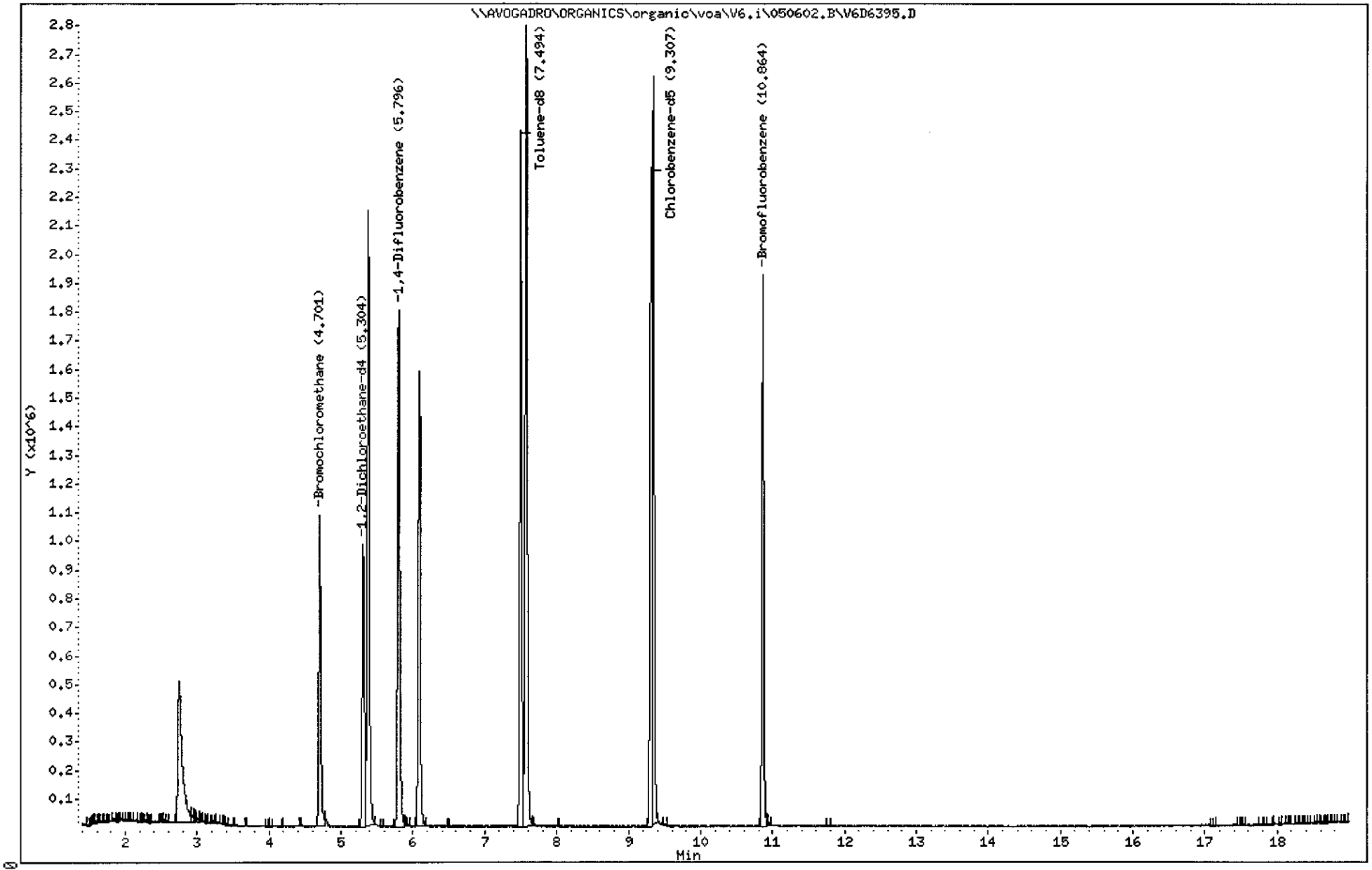
% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	6800	
108-87-2	Methylcyclohexane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
108-88-3	Toluene	7600	
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	1300	U
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
106-93-4	1,2-Dibromoethane	1300	U
108-90-7	Chlorobenzene	7600	
100-41-4	Ethylbenzene	1300	U
1330-20-7	Xylene (Total)	1300	U
100-42-5	Styrene	1300	U
75-25-2	Bromoform	1300	U
98-82-8	Isopropylbenzene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
96-12-8	1,2-Dibromo-3-chloropropane	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6395.D
Date : 02-JUN-2005 12:13
Client ID: V6ULCS
Instrument: V6.i
Sample Info: ,LCS-18359,V6ULCS
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0242

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6395.D
Report Date: 21-Jun-2005 07:37

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6395.D
Lab Smp Id: LCS-18359 Client Smp ID: V6ULCS
Inj Date : 02-JUN-2005 12:13
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,LCS-18359,V6ULCS
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET7

Concentration Formula:
Amt * DF * Uf * ((Vt+ Ws*M/100) * 5)/(Va * Ws * ((100-M)/100))

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	4.000	Weight of sample extracted (g)
M	0.000	% Moisture (not decanted)
Vt	10000.000	Methanol extract volume (uL)
Va	100.000	Aliquot of methanol (uL)

		QUANT SIG					CONCENTRATIONS	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
7	1,1-Dichloroethene	96	2.755	2.754	(0.586)	415702	54.1453	6800
* 18	Bromochloromethane	128	4.702	4.695	(1.000)	330637	50.0000	
$ 23	1,2-Dichloroethane-d4	65	5.304	5.303	(1.128)	878454	47.9067	6000
25	Benzene	78	5.377	5.376	(0.928)	2038629	58.7940	7300
* 26	1,4-Difluorobenzene	114	5.797	5.796	(1.000)	1554567	50.0000	
27	Trichloroethene	130	6.088	6.088	(1.050)	612884	54.3548	6800
$ 33	Toluene-d8	98	7.494	7.493	(0.805)	1798066	46.8669	5900
34	Toluene	91	7.573	7.572	(0.814)	2380880	60.5108	7600
* 42	Chlorobenzene-d5	117	9.307	9.306	(1.000)	1480944	50.0000	
43	Chlorobenzene	112	9.343	9.342	(1.004)	1739627	60.4604	7600
$ 50	Bromofluorobenzene	95	10.864	10.857	(1.167)	709971	45.1065	5600

KL
6/21/05

MITKEM CORPORATION: Volatile Organics Low/Medium Level Soil Extraction Log

Date	Lab ID	Analysis	Initial Wt. (g)	Final Wt. (g)	Sample Wt. (g)	Extraction Volume (mL)	Sample Type	Solvent / Lot. #	Comments	Analyst
5/26/05	D0537-06CMS	8260	30.22	36.20		5ml	A			SB
5/26/05	D0582-01C	OLM	N/A	N/A	6.1	5mL	B	H_2O		LG
	02C				5.1					
	03C				5.9 ~~5.9~~ LG 5/26/05					
	04C				6.7 ~~6.7~~ LG 5/26/05					
	D0582-05C				5.9 ~~6.7~~ LG 5/26/05					
	D0603-01A				5.1 ✓					
5/26/05	D0603-02A	OLM	N/A	N/A	5.3	5ml	B	H_2O		LG
5/27/05	D0582-01C	OLM	N/A	N/A	5.8	5mL	B	H_2O		LG
	03C				4.5					
	D0582-05C				5.6					
5/27/05	D0603-02A	OLM	N/A	N/A	6.2 ✓	5mL	B	H_2O		LG
5/27/05	D0598-01D	8260	35.02	42.58	7.6	5mL	C			LG
5/27/05	D0598-02D	8260	34.93	42.55	7.6	5mL	C			LG
5/27/05	D0596-11C	8260	34.92	39.67	4.8	5mL	B		2-2	LG
5/27/05	D0596-13C	8260	34.57	39.15	4.6	5mL	B		2-2	LG

Sample Type: A. MeOH Pre-preserved; B. DI H2O/Freeze; C. NaHSO4 Pre-preserved; D. Encore; E. Unpreserved Jars

Logbook ID: 90.0189-03/05

Reviewed By: KL 6/20/05

0244

MITKEM CORPORATION: Volatile Organics Low/Medium Level Soil Extraction Log

Date	Lab ID		Analysis	Initial Wt. (g)	Final Wt. (g)	Sample Wt. (g)	Extraction Volume (mL)	Sample Type	Solvent / Lot. #	Comments	Analyst
6/01/05	D0607 -	01C	8260	N/A	N/A	4.3	5 ml	B	H_2O		LG
6/1/05	D0603	01A	OLM	n/a	n/a	5.1	5ml	E	MeOH / 045850	SOIL Jar	SB
	D0577	14D	OLM	n/a	n/a	6.0	5ml/10ml	E	MeOH / 045850	ENCORE	SB
	D0603	01A	OLM	n/a	n/a	4.0	10 ml	E	MeOH / 045850		SB
6/02/05	D0609 -	06B	OLM	N/A	N/A	4.9	5ml	B	H_2O		LG
		07B				4.8					
		08B				5.0					
		09B				6.0					
		10B				4.7					
		11B				6.1					
		12B				5.3					
		13BMS				4.3					
		13BMSD	LG 6/02/05			5.7					
		13B				4.4					
		14B				5.2					
6/02/05	D0609 -	15B	OLM ~~QLA~~ LG 6/02/05	N/A	N/A	4.9	5ml	B	H_2O		LG

Sample Type: A. MeOH Pre-preserved; B. DI H2O/Freeze; C. NaHSO4 Pre-preserved; D. Encore; E. Unpreserved Jars

Logbook ID: 90.0189-03/05

Reviewed By: KL 6/20/05

0245

Percent Moisture and Percent Solids Report

Mitkem Sample ID	*Client Sample ID*	*Analyzed*	*Percent Moisture*	*Percent Solids*	*Validated*
D0603-01A	*B-8 (4.0')*	06/13/2005	32	68	Yes
D0603-02A	*B-11 (3.0')*	06/13/2005	24	76	Yes

Instrument V 1
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: ~~OLM~~ VICLP4H
INITIAL CAL: 5/23/05
COMMENTS:

CAL ID: VN050520C (STD)
IS/SS ID: VN050520A (IS)
VN050520B (SS)

ANALYST: LG
DATE: 5/23/05
DATE PRINTED:
DATE LOADED:

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	VIG77	50	BFB1J	BFB1J	2µl	–	OK			
		51	VSTD05017	VSTD05017	5mL	–	OK	✓	✓	
		52	VSTD01017	VSTD01017		–	OK	✓	✓	
		53	VSTD20017	VSTD20017		–	OK	✓	✓	
		54	VSTD10017	VSTD10017		–	OK	✓	✓	
	VIG77	55	VSTD02017	VSTD02017	5mL	–	OK	✓	✓	

olm4.3 SOIL ICAL

LG 5/24/05

Logbook ID 90.0204-04/05

Reviewed By: KL 6/20/05

0247

Instrument V 1
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: V1CL74H
INITIAL CAL: 5/23/05
COMMENTS:

CAL ID: VN050520C (STD)
IS/SS ID: VN050520A (IS)
VN050520B (SS)

ANALYST: LG
DATE: 5/26/05
DATE PRINTED:
DATE LOADED:

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V1G78	10	BFB1M	BFB1M	2µl	–	OK (10:22)			
		11	VSTD050IM	VSTD050IM	5mL	–	OK	✓	✓	
		12	MB-18283	VBLK1M	↓	–	OK	✓	✓	
		13	LCS-18283	V1MLCS	5mL	–	OK	✓	✓	
		14	D0577-05C1E	S005RE	4,2	–	OK NO MORE VAILS	#1-3↓	#2↑	
		15	06C1E	S005PRE	4,2	–	OK NO MORE VAILS	#1-3↓	#2-3↕	
		16	10C	S009	6,4	–	OK	✓	✓	
		17	D0577-16C1E	S015RE	6,1	–	OK NO MORE VAILS	#1-2↓	✓	
		18	D0582-01C	LC07-WC01	6,1	–	RR 1X	#1-3↓	✓	
		19	02C	LC07-WC02	5,1	–	OK	✓	✓	
		20	03C	LC08-WC03	5,9	–	RR 1X	#1-3↓	✓	
		21	04C	LC08-WC02	6,7	–	OK	✓	✓	
		22	D0582-05C	LC08-WC01	5,9	–	RR 1X	#1-3↓	✓	
		23	D0603-01A	B-840	5,1	–	RR ML, TCE 86 42	✓	#3↑	
		24	D0603-02A	B-1130	5,3	–	RR 1X, CARRYOVER (19:18)	✓	✓	
	V1G78	25	~~IBLK~~ VHBLK1M	~~IBLK~~ VHBLK1M	5mL	–	OK (19:49)	✓	✓	

SB 6/2/05

LG 5/27/05

Logbook ID 90.0204-04/05

Reviewed By: SB 6/2/05

0248

Instrument V 1
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: VICLP4 #1 CAL ID: VN050520C (STD) ANALYST: LG

INITIAL CAL: 5123105 IS/SS ID: VN050520A (IS) VN050520B (SS) DATE: 5/27/05

COMMENTS: DATE PRINTED:

DATE LOADED:

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V1G78	30	BFBIN	BFBIN	2µL	–	OK (9:43)			
		31	VSTD050IN	VSTD050IN	5mL	–	OK	✓	✓	
		32	MB-18299	VBLKIN	↓	–	OK	✓	✓	
		33	LCS-18299	VINLCS	5mL	–	OK	✓	#1 ✓ LG 5/27/05	
		34	D0582-01C RE LG 5/27/05	LCO7-NCO1 RE	5,8	–	RR 1X LG 5/27/05 ~~OK NO MORE VIALS~~	✓	#1 ↑	
		35	↓ 03C RE LG 5/27/05	LCO8-NCO3 RE	4,5	–	RR 1X	✓	#1 ↑	
		36	D0582-05C RE LG 5/27/05	LCO8-NCO1 RE	5,6	–	RR 1X	#1-3 ↓	✓	
		37	D0603-02A	B-1130	6,2	–	OK (13:45)	✓	✓	
	V1G78	38	~~FBLK~~ VHBLKIN (SB) 6/2/05	~~FBLK~~ VHBLKIN	5mL	–	OK (14:16)	✓	✓	
	V1G78	39	D0582-01C	LCO7-NCO1	4,9	–	OK	✓	✓	
	↓	40	↓ 03C RE	LCO8-NCO3 RE	6,8	–	OK AS RE	#1-3 ↓	✓	
	V1G78	41	D0582-05C RE	LCO8-NCO1 RE	6,1	–	OK ∞ RE (15:48)	#1-3 ↓	#1 ↑	
	V1G78	42	~~FBLK~~ VHBLKIN	~~FBLK~~ VHBLKIN	5mL	–	OK (16:18)	✓	✓	
				(SB) 6/2/05						

LG 5/27/05 ~~5/27/05~~ LG 5/27/05

Logbook ID 90.0204-04/05

Reviewed By: (SB) 6/2/05

0249

Date: 6/1/05

Instrument V 6
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: V6C1P4S
INITIAL CAL: 6/1/05
COMMENTS:

CAL ID: VW050601A - STD
IS/SS ID: VW050601B - IS
VW050601C - SS

ANALYST: SB
ARCHIVE:

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V6D63	60	BFB6Q	BFB6Q	2ul	-	OK (09:42)			
	↓	61	VSTD0506Q	VSTD0506Q	5ml	-				
		62	VSTD0106Q	VSTD0106Q	↓	-				
		63	VSTD2006Q	VSTD2006Q		-	OLM AQ			
	↓	64	VSTD1006Q	VSTD1006Q	↓	-	ICAL			
	V6D63	65	VSTD0206Q	VSTD0206Q	5ml	-				

6/1/05 SB

N/a

COPY
Original Documents Are Included in CSF_____
Signed:_____ Date:_____

Logbook ID 90.0200-3/02

Reviewed By: KL 6/24/05

Logbook page: 0009

Date: 6/2/05

Instrument V 6
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: V6C1P4S
INITIAL CAL: 6/1/05
COMMENTS:

CAL ID: VW050601A - STD
IS/SS ID: VW050601B - IS
VW050601C - SS
VW050601D - LCS
VW050601E - ICV

ANALYST: SB
ARCHIVE:

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V6D63	90	BFB6T	BFB6T	2ul	-	OK (09:12)			
		91	VSTD0506T	VSTD0506T	5ml	-	OK			
		92	MB-18358	VBLK6T	5ml	-	OK	✓	✓	
		93	MB-18359	VBLK6U	100ml/5ml	-	OK	✓	✓	
		94	LCS-18358	V6TLCS	5ml	-	OK	✓	✓	
		95	LCS-18359	V6ULCS	100ml/5ml	-	OK	✓	✓	
		96	D0603-01A	B-840	↓	4	RR	✓	#3↑	
		97	D0603-01ADL	B-840 DL	100ml/5ml	2	OK (PCE: 68)	✓	✓	
		98	VHBLK6T	VHBLK6T	5ml	-	OK	✓	✓	
	↓	99	D0577-14DDL	S013 DL	100ml/5ml	-	OK	✓	✓	
	V6D64	00	VHBLK6T	VHBLK6T	5ml	-	NOT USED - TICS	✓	✓	
		01	D0618-01A	MW-01		-	OK	✓	✓	<2
		02	01AMS	MW-01 MS		-	RR	✓	2+3 ↓	
		03	01AMSD	MW-01 MSD		-	RR	✓	✓	
		04	02A	MW-03		-	RR 20X (PCE: 1442)	✓	✓	
		05	03A	MW-04		-	RR 20X (PCE: 1252)	✓	✓	
		06	04A	MW-05		-	RR 1X (PCE < 2)	✓	✓	
		07	05A	MW-06		-	RR 10X (PCE: 772)	✓	#2↓	
		08	06A	MW-07		-	RR 50X (PCE: 3196)	✓	✓	↓
		09	D0618-07A	MW-PW-3		-	RR 200X (cis-1-2 DCE 10,924)	✓	✓	<2
		10	VHBLK6T	VHBLK6T		-	NOT used - carryover	✓	#2↑	
		11	D0638-01A	G32-FHW-01-G2		-	RR > Possible Carryover	✓	✓	<2
		12	D0638-02A	G32-AQTB02-G2	↓	-	RR (20:47)	✓	✓	<2
	V6D64	13	VHBLK6T	VHBLK6T	5ml	-	NOT used (OTT) - 21:14			
	~~V6D64~~	~~14~~								

6/3/05 SB N/A

Logbook ID 90.0200-3/02

Reviewed By: KC 6/24/05

Logbook page: 0011

MITKEM CORPORATION: VOLATILES RECEIVING LOGBOOK

VOA Log-In Date	Workorder	Client	Sample Numbers	Relinquished By	Refrigerator ID	Comments
5/24/05	D0579	RIR2C/CDM	13-14	LG	R4	
5/24/05	D0597	RIRC/62A	01-04	[illegible]	R4	48hr TAT
5/25/05	D0602	TRC	01-05	YD	R10	
↓	D0603	DAY	01, 02	YD	R10	
↓	D0600	CH2M	01-18	YD	R10	
5/25/05	D0598	Maguire	01-02	YD	R10	
5/25/05	D0606	RIRC	01-02	[illegible]	R4	(Small vials inserts)
5/26/05	D0607	DB	01-10	YD	R4	
5/26/05	D0609	DAY	06-17	YD	R4	
5/26/05	D0608	CH2M	01, 7-9, 11-13	YD	R4	
5-27-05	D0617	URS	01-09	JC	R10	
↓	D0618	DAY	01-10	JC	R10	
↓	D0620	Maguire	01	JC	R10	
5-27-05	D0622	Lincoln	01-05	JC	R10	
5-31-05	D0623	DAY	01-08	JH	R-10	01-07 soils

MITKEM CORPORATION

* Total Petroleum Hydrocarbons *

MITKEM CORPORATION

Analysis Report: Fuel Identification

Client: DAY
Analysis: 310.13
Matrix: Soil
Extraction Date: 06/02/2005

Lab ID	Client ID	Result	Analysis Date:
D0603-01	B-8(4.0')	see below	06/07/2005

Fuel Identification:

Sample D0603-01A contains resolved and unresolved peaks in the retention time ranges for a mixture of three petroleum products, two being typical Diesel Fuel and Motor Oil. The third product is in the range for a low boiling point product such as gasoline, but the pattern of resolved and unresolved peaks does not match the laboratory standard gasoline. The pattern is similar to kerosene or jet fuel, but appears to be in a lower boiling point range than these products.

Mitkem Corporation

Date: *14-Jun-05*

Client: Day Environmental, Inc.
Client Sample ID: B-840
Lab ID: D0603-01

Project: Jamestown
Collection Date: 05/23/05 09:54

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL PETROLEUM HYDROCARBONS (TPH) BY GC-FID				**TPH_S**			
Extractable Total Petroleum Hydrocarbon	250		18	mg/Kg	1	06/07/2005 09:30	18361
Surr: para-Terphenyl	81.3		64.7-104	%REC	1	06/07/2005 09:30	18361

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Quantitation Report (QT Reviewed)

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1491.D Vial: 45
Acq On : 6-7-05 9:30:16 PM Operator: TT
Sample : D0603-01A Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 8 13:38 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1) I	5a-Androstane	16.18	53054216	40.000	ug/mlm3
	System Monitoring Compounds				
2) S	para-Terphenyl	17.03	58530035	40.668	ug/mlm3
Spiked Amount	50.000	Recovery	=	81.34%	
	Target Compounds				
3)	NONANE C9	0.00	0	N.D.	ug/mld
4)	DECANE C10	0.00	0	N.D.	ug/mld
5)	DODECANE C12	0.00	0	N.D.	ug/mld
6)	TETRADECANE C14	0.00	0	N.D.	ug/mld
7)	HEXADECANE C 16	0.00	0	N.D.	ug/mld
8)	OCTADECANE C18	0.00	0	N.D.	ug/mld
9)	NONADECANE C19	0.00	0	N.D.	ug/mld
10)	EICOSANE C20	0.00	0	N.D.	ug/mld
11)	DOCOSANE C22	0.00	0	N.D.	ug/mld
12)	TETRACOSANE C24	0.00	0	N.D.	ug/mld
13)	HEXACOSANE C26	0.00	0	N.D.	ug/mld
14)	OCTACOSANE C28	0.00	0	N.D.	ug/mld
15)	TRIACONTANE C30	0.00	0	N.D.	ug/mld
16)	HEXATRIACONTANE C36	0.00	0	N.D.	ug/mld

TS 6/9/15

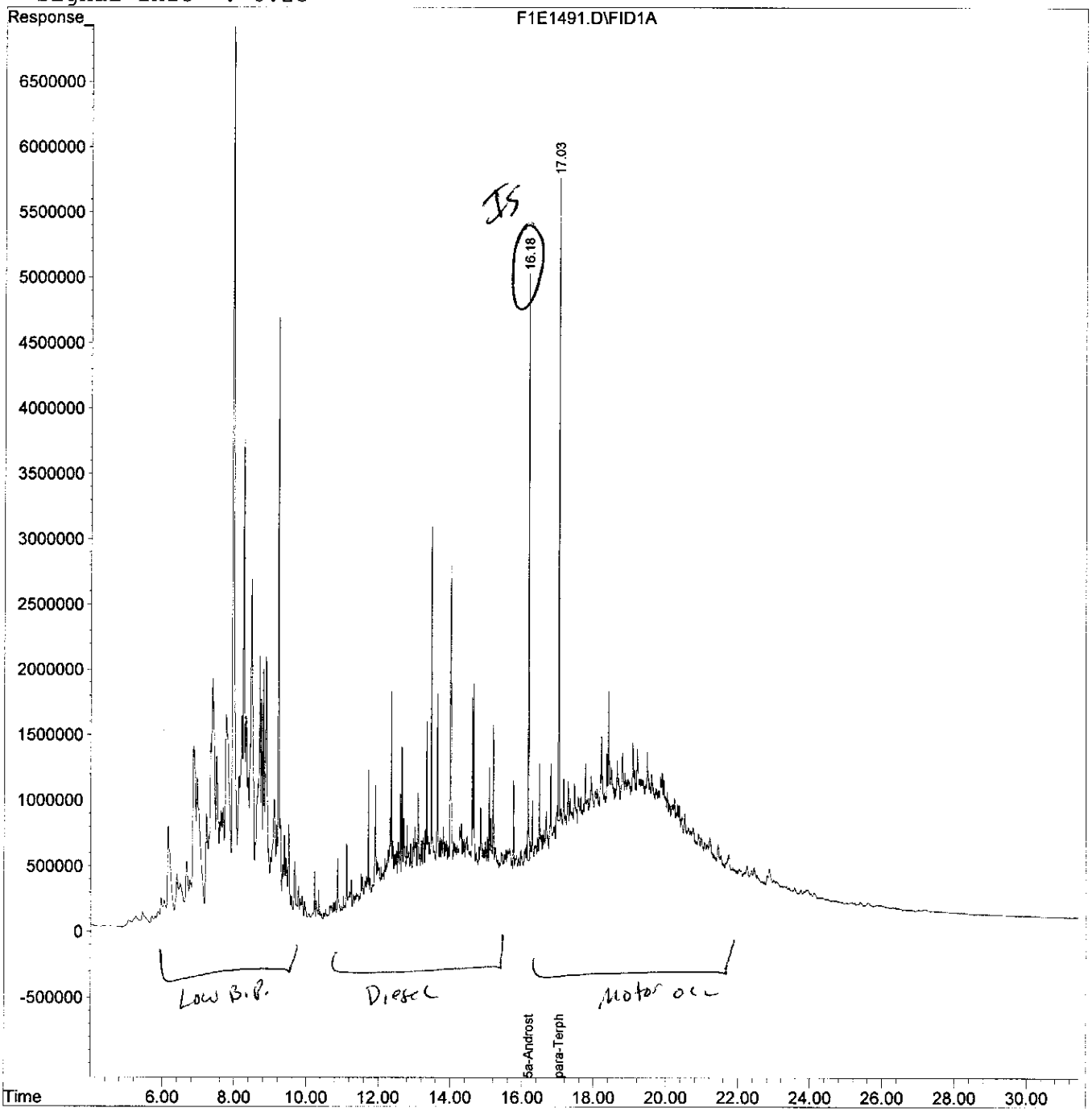
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1491.D Vial: 45
Acq On : 6-7-05 9:30:16 PM Operator: TT
Sample : D0603-01A Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 8 13:38 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

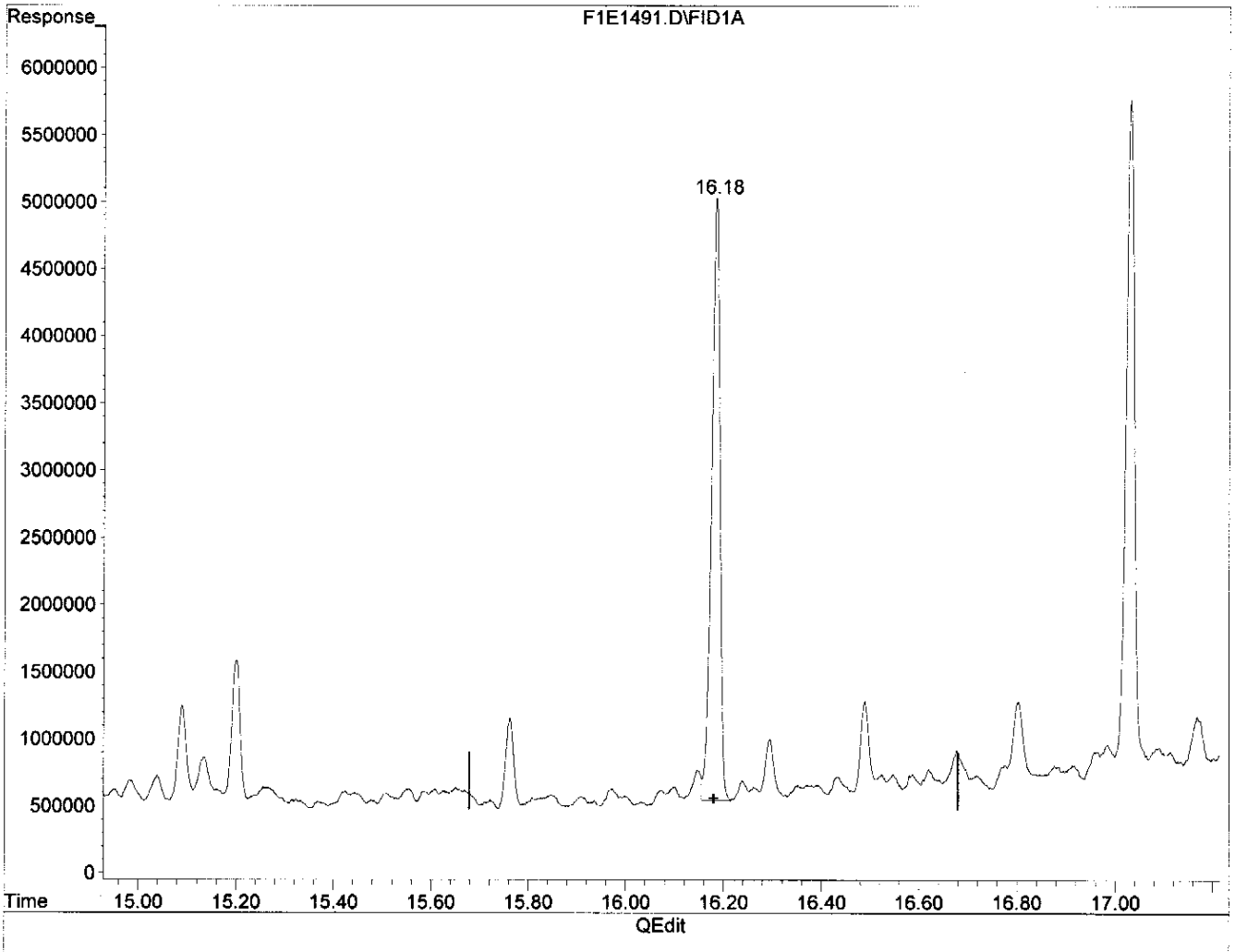
Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1491.D Vial: 45
Acq On : 6-7-05 9:30:16 PM Operator: TT
Sample : D0603-01A Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 8 13:37 19105 Quant Results File: ET0209F.RES

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration



(1) 5a-Androstane (I)

16.18min 40.000ug/ml m

response 53054216

7s 6/9/15

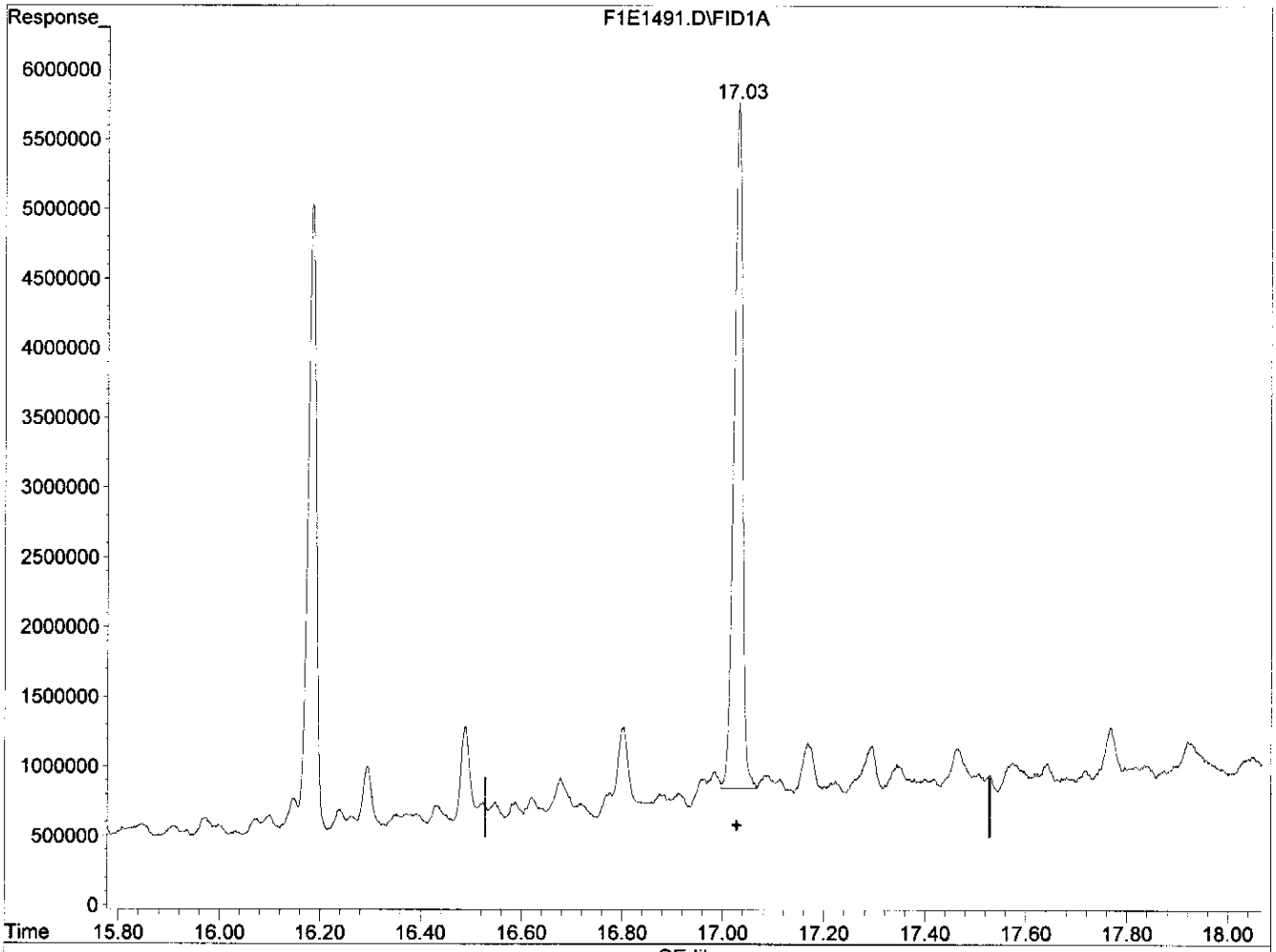
(+) = Expected Retention Time

F1E1491.D ET0209F.M Wed Jun 08 13:38:03 2005 D

Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1491.D Vial: 45
Acq On : 6-7-05 9:30:16 PM Operator: TT
Sample : D0603-01A Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 8 13:37 19105 Quant Results File: ET0209F.RES

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration



(2) para-Terphenyl (S)

17.03min 40.668ug/ml m

response 58530035

TS 6/9/5

(+) = Expected Retention Time

F1E1491.D ET0209F.M Wed Jun 08 13:38:20 2005 D

Area Percent Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1491.D Vial: 45
Acq On : 6-7-05 9:30:16 PM Operator: TT
Sample : D0603-01A Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,

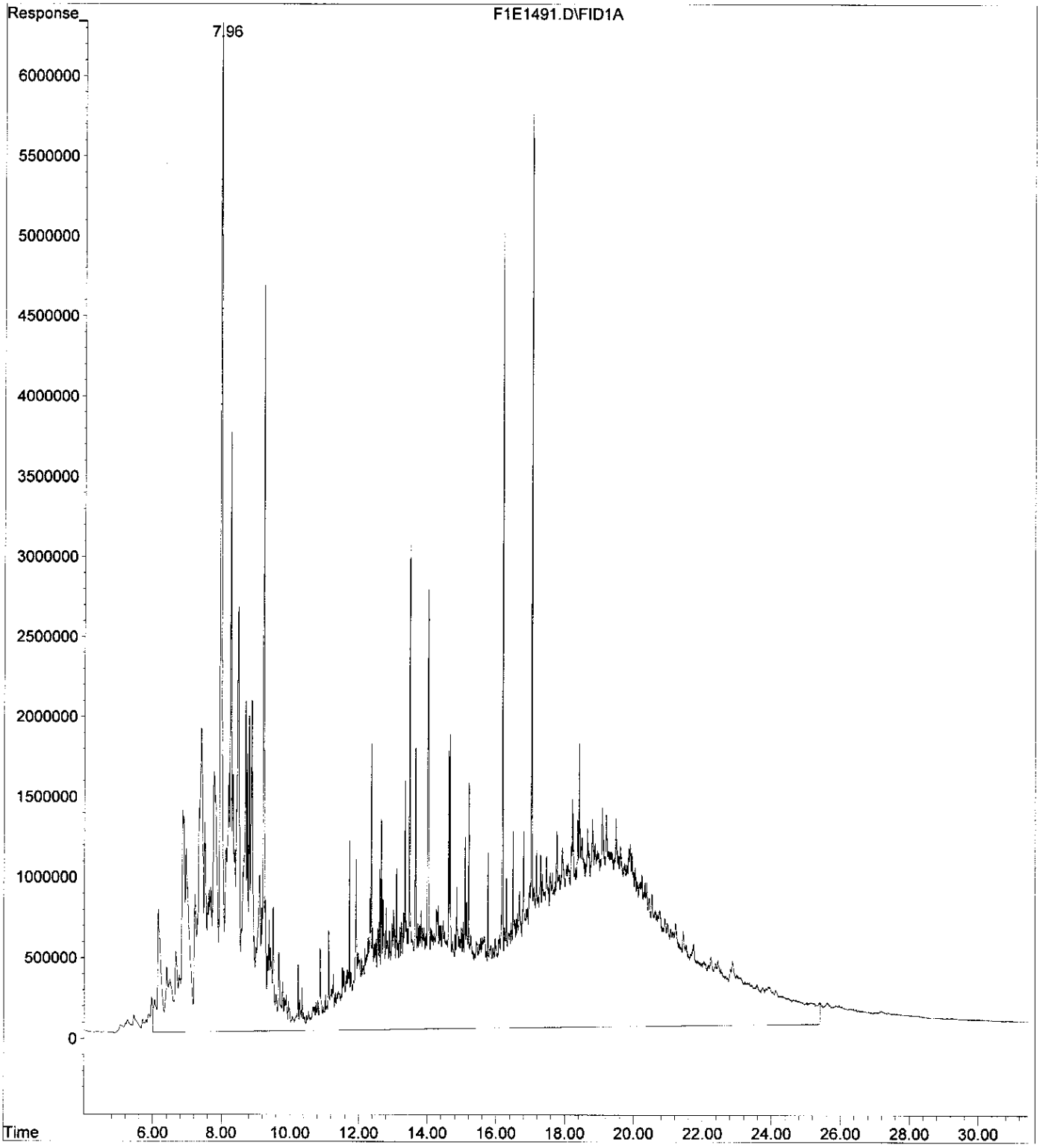
Signal : F1E1491.D\FID1A

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	7.962	6.014	25.411	M	6921656	7217966623	100.00%	100.000%

Sum of corrected areas: 7217966623

F1E1491.D ET0209F.M Wed Jun 08 13:40:20 2005 D

File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1491.D
Operator : TT
Acquired : 6-7-05 9:30:16 PM using AcqMethod ETPH-B.M
Instrument : F1
Sample Name: D0603-01A
Misc Info :
Vial Number: 45



FRONT COLUMN **Response Factors ETPH --- 02/09/05**

	Level 1A	Level 1	Level 2	Level 3	Level 4	Level 5
Conc. (ug/ml)	2.5	25	50	100	200	400
5α -Androstane	41,631,943	41,182,066	40,458,488	39,790,653	40,715,035	40,366,679
para-Terphenyl	2,845,145	26,759,907	52,552,838	114,800,604	224,099,212	437,321,177
Nonane C9	3,210,367	25,365,229	49,005,064	102,712,624	197,929,246	383,764,192
Decane C10	3,141,618	25,250,666	48,816,617	102,530,202	198,133,186	384,777,205
Dodecane C12	2,949,485	24,647,323	48,098,028	101,867,434	198,140,624	386,524,869
Tetradecane C14	2,821,514	24,812,506	48,529,205	102,496,833	199,115,126	387,916,136
Hexadecane C16	2,966,067	25,483,942	49,659,585	104,657,934	203,222,679	395,850,402
Octadecane C18	3,052,323	25,705,733	50,004,574	105,286,022	204,423,195	397,646,118
Nonadecane C19	3,082,330	25,989,628	50,479,415	106,077,351	205,976,756	400,419,680
Eicosane C20	3,156,746	26,261,776	51,003,334	107,155,085	207,989,071	404,477,973
Docosane C22	3,191,238	26,312,587	51,061,126	107,023,008	207,726,711	403,685,034
Tetracosane C24	3,138,493	26,255,421	51,073,413	107,332,243	208,556,870	405,236,280
Hexacosane C26	3,114,817	26,322,792	51,300,482	107,806,932	209,490,672	407,107,131
Octacosane C28	3,076,613	26,126,130	51,013,525	107,374,884	209,017,778	406,604,686
Triacontane C30	2,991,603	25,880,534	50,661,998	106,864,784	208,549,850	406,204,364
Hexatriacontane C36	2,817,198	24,275,238	48,429,383	103,610,708	203,708,937	398,305,575
RRF of C9-C36	1.1725	0.9954	0.9874	1.0575	1.0042	0.9853
Mean= 1.0337		Std. Dev= 0.0730		RSD(%)= 7.0608		
RRF of C10-C28	1.1771	1.0001	0.9905	1.0597	1.0056	0.9865
Mean= 1.0366		Std. Dev= 0.0738		RSD(%)= 7.1160		

Response Factor Report F1

Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:38:46 2005

Calibration Files
L1A =F1D8893.D L1 =F1D8895.D L2 =F1D8897.D
L3 =F1D8899.D L4 =F1D8901.D L5 =F1D8903.D

		Compound	L1A	L1	L2	L3	L4	L5	Avg		%RSD
1)	I	5a-Androstane	----------ISTD----------								
2)	S	para-Terphenyl	1.093	1.040	1.039	1.154	1.101	1.083	1.085	0	3.96
3)		NONANE C9	1.234	0.985	0.969	1.033	0.972	0.951	1.024	0	10.40
4)		DECANE C10	1.207	0.981	0.965	1.031	0.973	0.953	1.018	0	9.46
5)		DODECANE C12	1.134	0.958	0.951	1.024	0.973	0.958	1.000	0	7.09
6)		TETRADECANE C14	1.084	0.964	0.960	1.030	0.978	0.961	0.996	0	5.10
7)		HEXADECANE C 16	1.140	0.990	0.982	1.052	0.998	0.981	1.024	0	6.13
8)		OCTADECANE C18	1.173	0.999	0.989	1.058	1.004	0.985	1.035	0	7.04
9)		NONADECANE C19	1.185	1.010	0.998	1.066	1.012	0.992	1.044	0	7.08
10)		EICOSANE C20	1.213	1.020	1.009	1.077	1.022	1.002	1.057	0	7.66
11)		DOCOSANE C22	1.226	1.022	1.010	1.076	1.020	1.000	1.059	0	8.13
12)		TETRACOSANE C24	1.206	1.020	1.010	1.079	1.024	1.004	1.057	0	7.35
13)		HEXACOSANE C26	1.197	1.023	1.014	1.084	1.029	1.009	1.059	0	6.86
14)		OCTACOSANE C28	1.182	1.015	1.009	1.079	1.027	1.007	1.053	0	6.53
15)		TRIACONTANE C30	1.150	1.006	1.002	1.074	1.024	1.006	1.044	0	5.61
16)		HEXATRIACONTANE C36	1.083	0.943	0.958	1.042	1.001	0.987	1.002	0	5.23

(#) = Out of Range

ET0209F.M Wed Feb 09 10:40:03 2005 HPDOS9

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8893.D Vial: 1
Acq On : 2-8-05 14:37:29 PM Operator: TT
Sample : ETPH L1A Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:34 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I 5a-Androstane	16.26	41631943	40.000	ng	
	System Monitoring Compounds					
2)	S para-Terphenyl	17.09	2845145	2.631	ng	
Spiked Amount	50.000		Recovery =	5.26%		
	Target Compounds					
3)	NONANE C9	6.34	3210367	3.183	ng	m
4)	DECANE C10	8.06	3141618	3.127	ng	
5)	DODECANE C12	10.31	2949485	2.980	ng	
6)	TETRADECANE C14	11.99	2821514	2.825	ng	
7)	HEXADECANE C 16	13.42	2966067	2.902	ng	
8)	OCTADECANE C18	14.69	3052323	2.966	ng	
9)	NONADECANE C19	15.28	3082330	2.967	ng	
10)	EICOSANE C20	15.84	3156746	3.007	ng	2/9/5
11)	DOCOSANE C22	16.88	3191238	3.037	ng	
12)	TETRACOSANE C24	17.85	3138493	2.986	ng	
13)	HEXACOSANE C26	18.73	3114817	2.950	ng	
14)	OCTACOSANE C28	19.56	3076613	2.930	ng	
15)	TRIACONTANE C30	20.49	2991603	2.869	ng	
16)	HEXATRIACONTANE C36	25.57	2817198	2.827	ng	m

2/9/5

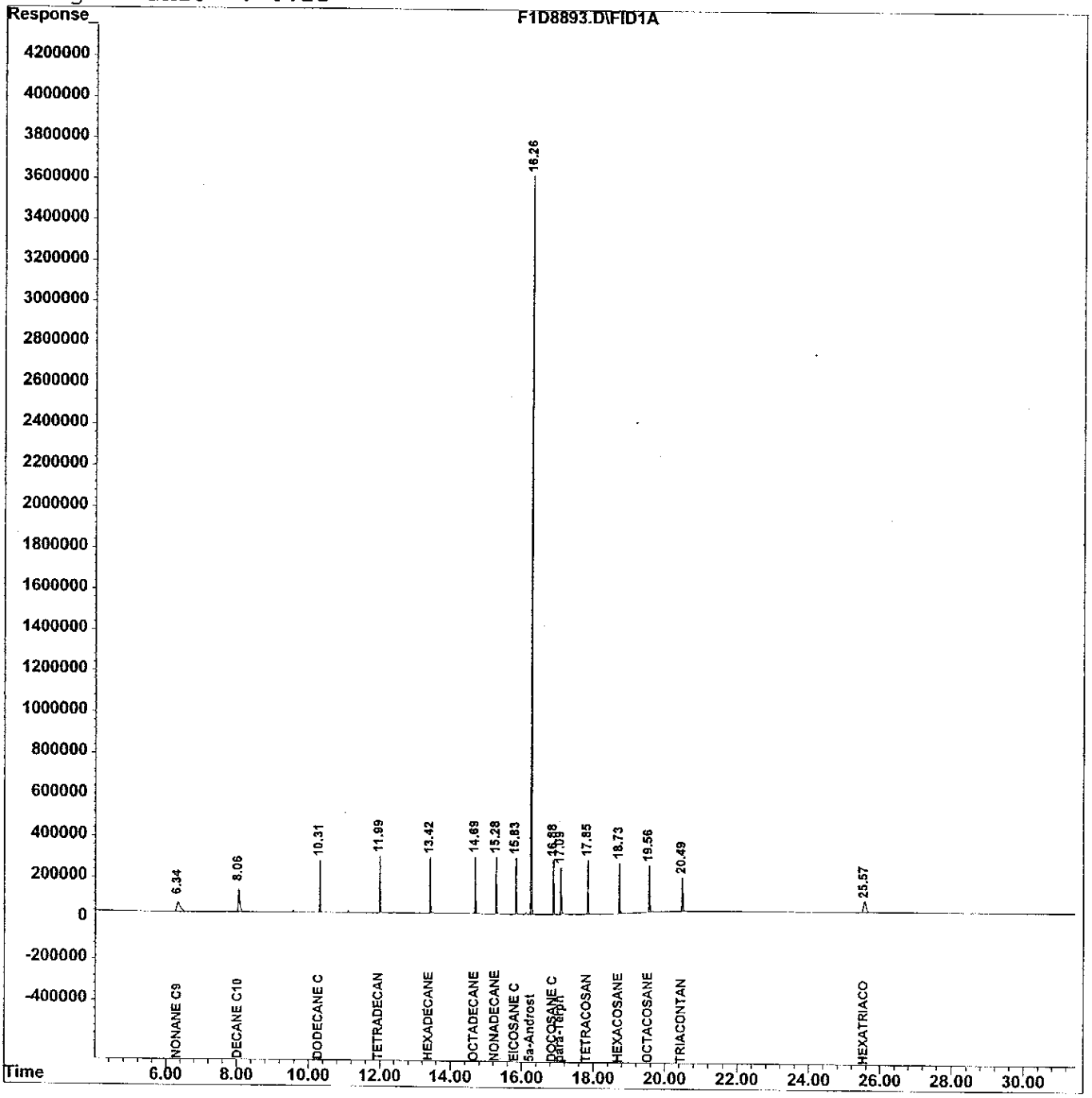
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8893.D Vial: 1
Acq On : 2-8-05 14:37:29 PM Operator: TT
Sample : ETPH L1A Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:34 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8895.D Vial: 2
Acq On : 2-8-05 15:15:45 PM Operator: TT
Sample : ETPH L1 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:35 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc Units
	Internal Standards			
1) I	5a-Androstane	16.26	41182066	40.000 ng
	System Monitoring Compounds			
2) S	para-Terphenyl	17.09	26759907	25.013 ng
Spiked Amount	50.000	Recovery	=	50.03%
	Target Compounds			
3)	NONANE C9	6.33	25365229	25.425 ng
4)	DECANE C10	8.06	25250666	25.407 ng
5)	DODECANE C12	10.31	24647323	25.172 ng
6)	TETRADECANE C14	11.99	24812506	25.115 ng
7)	HEXADECANE C 16	13.42	25483942	25.208 ng
8)	OCTADECANE C18	14.69	25705733	25.252 ng
9)	NONADECANE C19	15.28	25989628	25.290 ng
10)	EICOSANE C20	15.84	26261776	25.293 ng
11)	DOCOSANE C22	16.88	26312587	25.313 ng
12)	TETRACOSANE C24	17.85	26255421	25.252 ng
13)	HEXACOSANE C26	18.74	26322792	25.205 ng
14)	OCTACOSANE C28	19.56	26126130	25.157 ng
15)	TRIACONTANE C30	20.49	25880534	25.094 ng
16)	HEXATRIACONTANE C36	25.58	24275238	24.622 ng

2/9/5

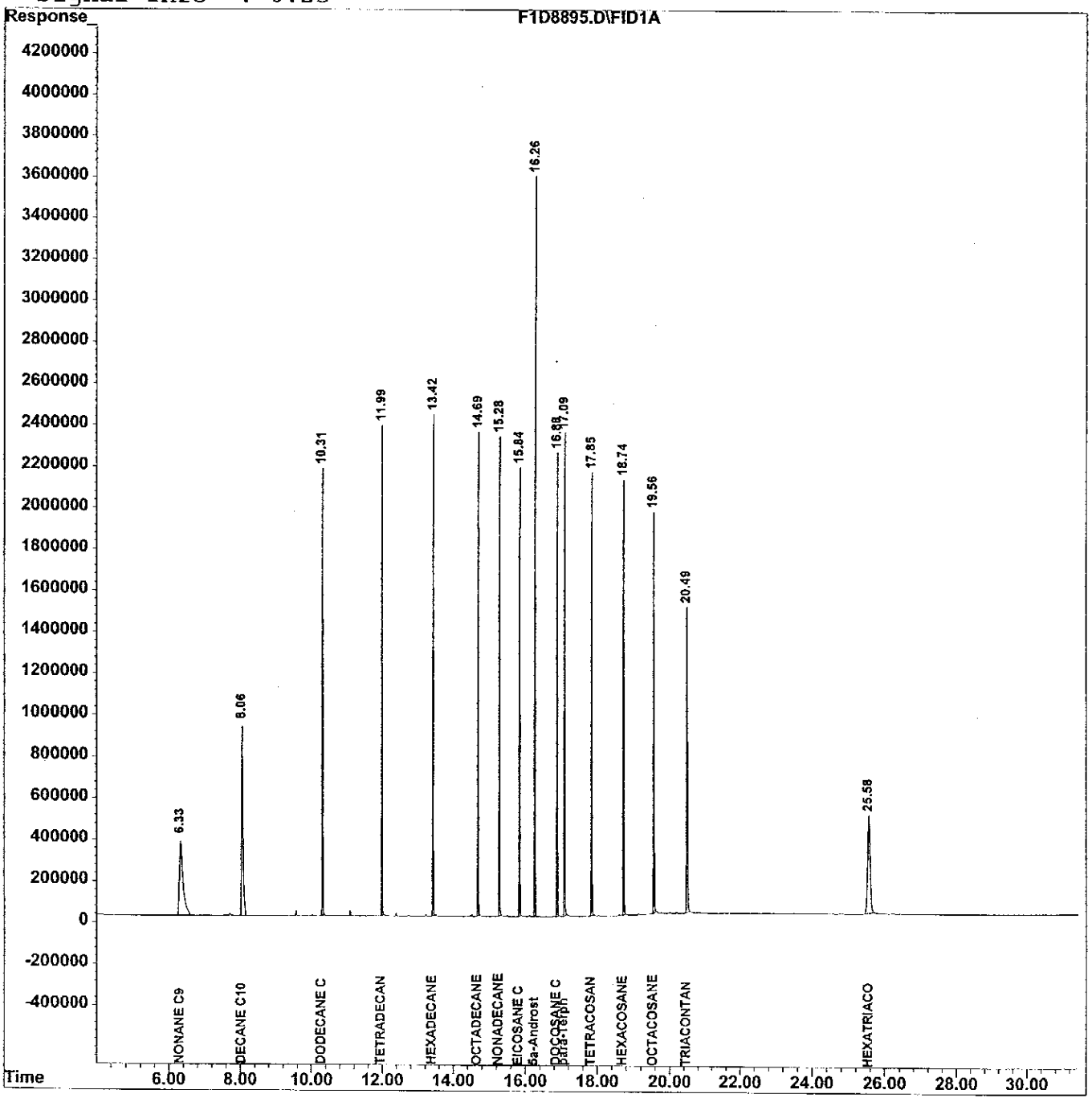
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8895.D Vial: 2
Acq On : 2-8-05 15:15:45 PM Operator: TT
Sample : ETPH L1 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:35 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8897.D Vial: 3
Acq On : 2-8-05 15:53:55 PM Operator: TT
Sample : ETPH L2 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:54 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:53:34 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc Units
	Internal Standards			
1) I	5a-Androstane	16.26	40458488	40.000 ng
	System Monitoring Compounds			
2) S	para-Terphenyl	17.09	52552838	50.000 ng
Spiked Amount	50.000		Recovery =	100.00%
	Target Compounds			
3)	NONANE C9	6.33	49005064	50.000 ng
4)	DECANE C10	8.06	48818617	50.000 ng
5)	DODECANE C12	10.32	48098028	50.000 ng
6)	TETRADECANE C14	11.99	48529205	50.000 ng
7)	HEXADECANE C 16	13.42	49659585	50.000 ng
8)	OCTADECANE C18	14.69	50004574	50.000 ng
9)	NONADECANE C19	15.28	50479415	50.000 ng
10)	EICOSANE C20	15.84	51003334	50.000 ng
11)	DOCOSANE C22	16.89	51061126	50.000 ng
12)	TETRACOSANE C24	17.85	51073413	50.000 ng
13)	HEXACOSANE C26	18.74	51300482	50.000 ng
14)	OCTACOSANE C28	19.57	51013525	50.000 ng
15)	TRIACONTANE C30	20.49	50661998	50.000 ng
16)	HEXATRIACONTANE C36	25.58	48429383	50.000 ng

2/9/05

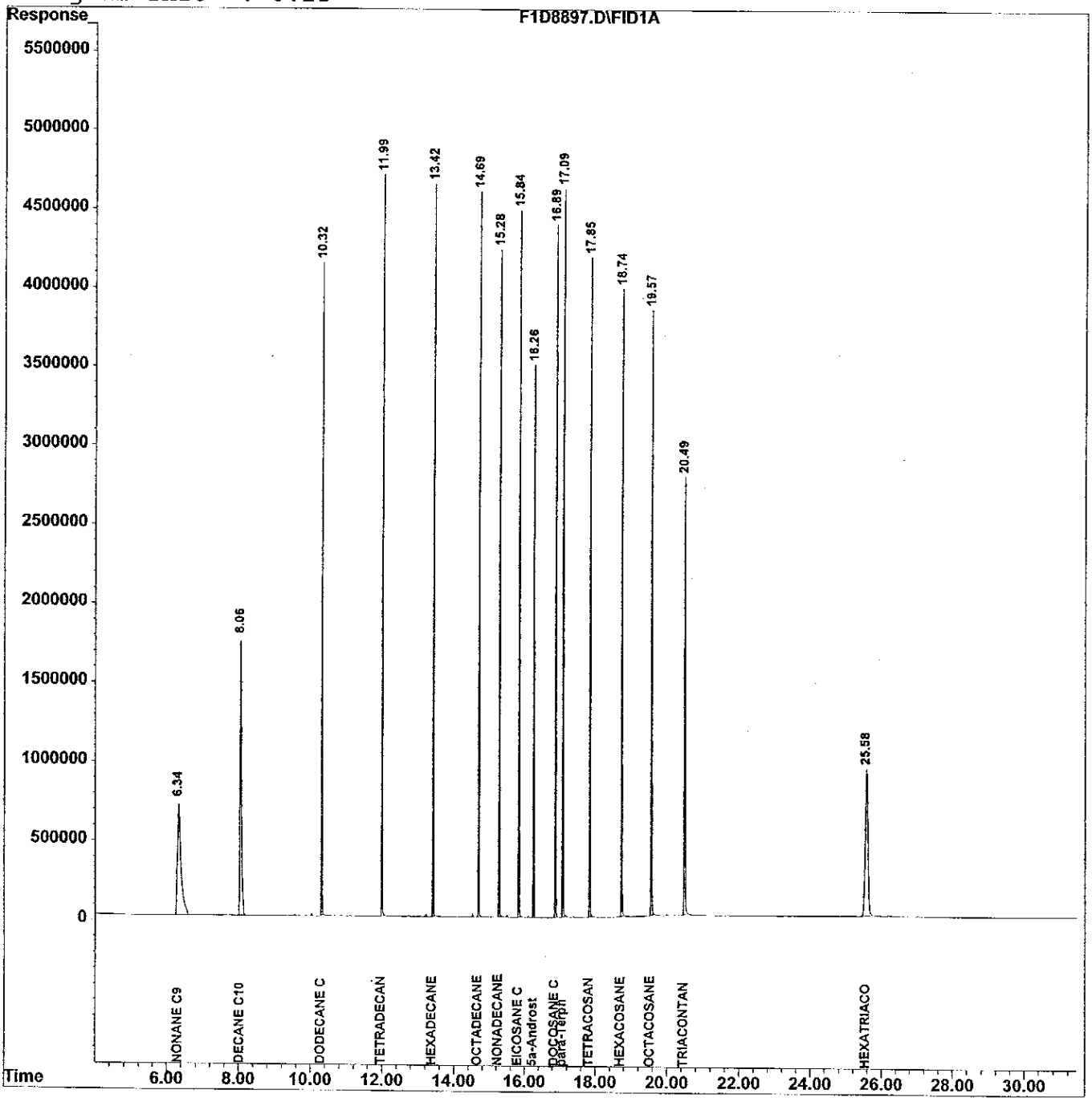
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8897.D Vial: 3
Acq On : 2-8-05 15:53:55 PM Operator: TT
Sample : ETPH L2 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:54 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:53:34 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8899.D Vial: 4
Acq On : 2-8-05 16:32:12 PM Operator: TT
Sample : ETPH L3 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:36 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc Units
	Internal Standards			
1) I	5a-Androstane	16.26	39790653	40.000 ng
	System Monitoring Compounds			
2) S	para-Terphenyl	17.10	114800604	111.057 ng
Spiked Amount	50.000		Recovery =	222.11%
	Target Compounds			
3)	NONANE C9	6.34	102712624	106.557 ng
4)	DECANE C10	8.06	102530202	106.774 ng
5)	DODECANE C12	10.32	101867434	107.673 ng
6)	TETRADECANE C14	12.00	102496833	107.376 ng
7)	HEXADECANE C 16	13.43	104657934	107.144 ng
8)	OCTADECANE C18	14.70	105286022	107.043 ng
9)	NONADECANE C19	15.29	106077351	106.833 ng
10)	EICOSANE C20	15.85	107155085	106.810 ng
11)	DOCOSANE C22	16.90	107023008	106.558 ng
12)	TETRACOSANE C24	17.86	107332243	106.840 ng
13)	HEXACOSANE C26	18.75	107806932	106.838 ng
14)	OCTACOSANE C28	19.57	107374884	107.008 ng
15)	TRIACONTANE C30	20.50	106864784	107.239 ng
16)	HEXATRIACONTANE C36	25.62	103610708	108.766 ng

2/9/5

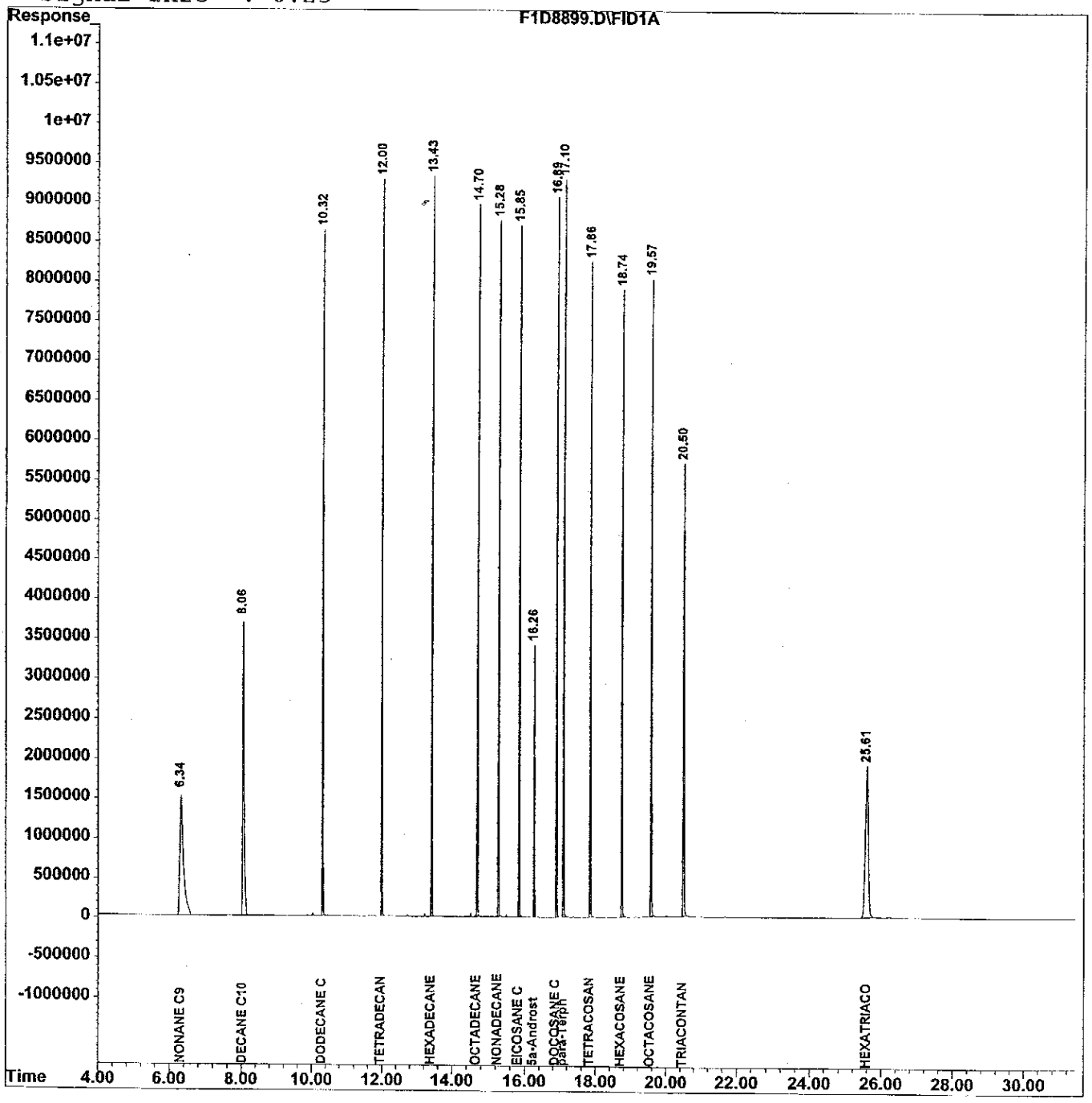
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8899.D Vial: 4
Acq On : 2-8-05 16:32:12 PM Operator: TT
Sample : ETPH L3 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:36 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8901.D Vial: 5
Acq On : 2-8-05 17:10:27 PM Operator: TT
Sample : ETPH L4 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:37 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc Units
	Internal Standards			
1)	I 5a-Androstane	16.26	40715035	40.000 ng
	System Monitoring Compounds			
2)	S para-Terphenyl	17.12	224099212	211.870 ng
Spiked Amount	50.000		Recovery =	423.74%
	Target Compounds			
3)	NONANE C9	6.33	197929246	200.675 ng
4)	DECANE C10	8.06	198133186	201.649 ng
5)	DODECANE C12	10.33	198140624	204.678 ng
6)	TETRADECANE C14	12.01	199115126	203.857 ng
7)	HEXADECANE C 16	13.44	203222679	203.326 ng
8)	OCTADECANE C18	14.71	204423195	203.117 ng
9)	NONADECANE C19	15.29	205976756	202.735 ng
10)	EICOSANE C20	15.85	207989071	202.613 ng
11)	DOCOSANE C22	16.91	207726711	202.128 ng
12)	TETRACOSANE C24	17.86	208556870	202.887 ng
13)	HEXACOSANE C26	18.75	209490672	202.893 ng
14)	OCTACOSANE C28	19.58	209017778	203.574 ng
15)	TRIACONTANE C30	20.52	208549850	204.528 ng
16)	HEXATRIACONTANE C36	25.66	203708937	208.990 ng

2/9/5 11

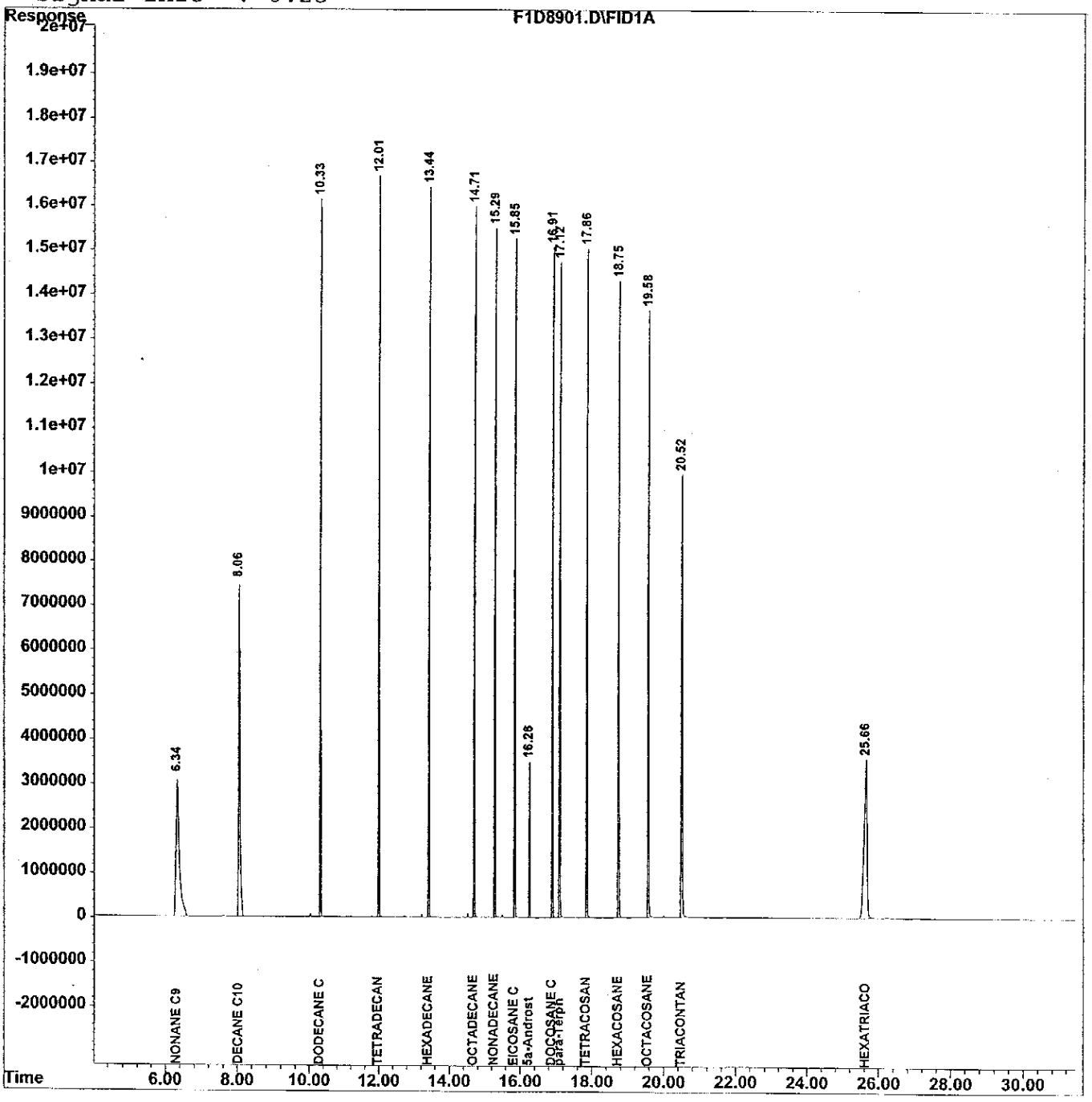
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8901.D Vial: 5
Acq On : 2-8-05 17:10:27 PM Operator: TT
Sample : ETPH L4 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:37 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8903.D Vial: 6
Acq On : 2-8-05 17:48:36 PM Operator: TT
Sample : ETPH L5 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:38 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc Units
	Internal Standards			
1)	I 5a-Androstane	16.26	40366679	40.000 ng
	System Monitoring Compounds			
2)	S para-Terphenyl	17.13	437321177	417.024 ng
Spiked Amount	50.000		Recovery =	834.05%
	Target Compounds			
3)	NONANE C9	6.34	383764192	392.446 ng
4)	DECANE C10	8.07	384777205	394.985 ng
5)	DODECANE C12	10.34	386524869	402.723 ng
6)	TETRADECANE C14	12.02	387916136	400.582 ng
7)	HEXADECANE C 16	13.45	395850402	399.470 ng
8)	OCTADECANE C18	14.72	397646118	398.514 ng
9)	NONADECANE C19	15.31	400419680	397.519 ng
10)	EICOSANE C20	15.87	404477973	397.423 ng
11)	DOCOSANE C22	16.92	403685034	396.195 ng
12)	TETRACOSANE C24	17.88	405236280	397.622 ng
13)	HEXACOSANE C26	18.77	407107131	397.689 ng
14)	OCTACOSANE C28	19.60	406604686	399.433 ng
15)	TRIACONTANE C30	20.54	406204364	401.808 ng
16)	HEXATRIACONTANE C36	25.72	398305575	412.158 ng

2/15/6

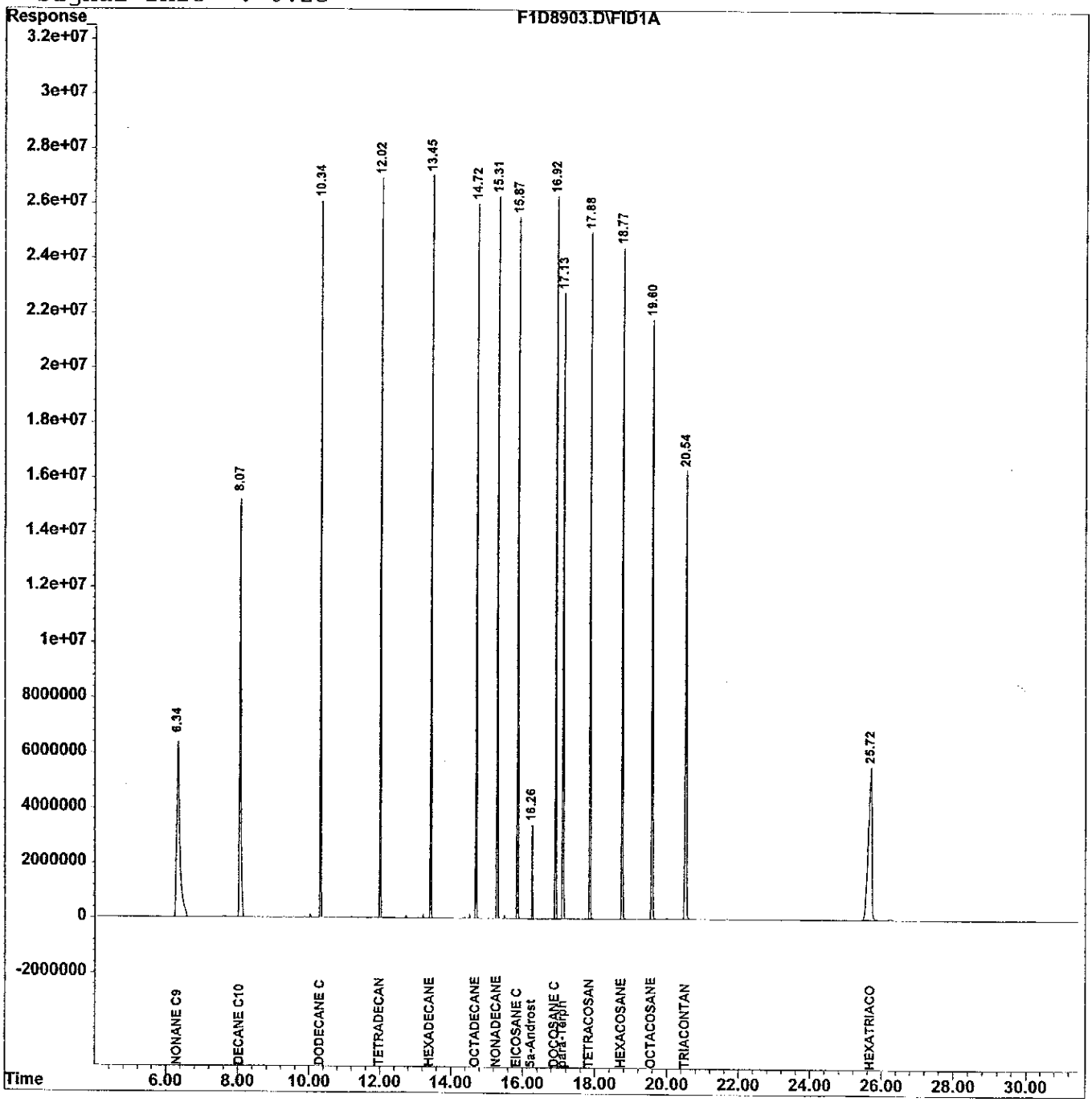
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8903.D Vial: 6
Acq On : 2-8-05 17:48:36 PM Operator: TT
Sample : ETPH L5 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:38 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Continuing Calibration Report F1

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration

Continuing Calibration File: F1E1455.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
1	I	5a-Androstane	1.000	1.000	0.0	108
2	S	para-Terphenyl	1.085	1.140	-5.1	119
3		NONANE C9	1.024	1.075	-5.0	120
4		DECANE C10	1.018	1.031	-1.2	116
5		DODECANE C12	1.000	0.995	0.4	113
6		TETRADECANE C14	0.996	1.036	-4.0	117
7		HEXADECANE C 16	1.024	1.070	-4.5	118
8		OCTADECANE C18	1.035	1.080	-4.4	118
9		NONADECANE C19	1.044	1.094	-4.8	119
10		EICOSANE C20	1.057	1.087	-2.8	117
11		DOCOSANE C22	1.059	1.100	-3.8	118
12		TETRACOSANE C24	1.057	1.092	-3.3	117
13		HEXACOSANE C26	1.059	1.089	-2.8	116
14		OCTACOSANE C28	1.053	1.085	-3.0	116
15		TRIACONTANE C30	1.044	1.070	-2.5	116
16		HEXATRIACONTANE C36	1.002	1.032	-3.0	117

Continuing Calibration Report F1

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration

Continuing Calibration File: F1E1479.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
1	I	5a-Androstane	1.000	1.000	0.0	111
2	S	para-Terphenyl	1.085	1.138	-4.8	121
3		NONANE C9	1.024	1.072	-4.6	123
4		DECANE C10	1.018	1.043	-2.4	120
5		DODECANE C12	1.000	1.001	-0.2	117
6		TETRADECANE C14	0.996	1.032	-3.6	119
7		HEXADECANE C 16	1.024	1.067	-4.2	121
8		OCTADECANE C18	1.035	1.079	-4.3	121
9		NONADECANE C19	1.044	1.092	-4.6	121
10		EICOSANE C20	1.057	1.083	-2.5	119
11		DOCOSANE C22	1.059	1.098	-3.6	121
12		TETRACOSANE C24	1.057	1.091	-3.2	120
13		HEXACOSANE C26	1.059	1.089	-2.8	119
14		OCTACOSANE C28	1.053	1.085	-3.0	119
15		TRIACONTANE C30	1.044	1.073	-2.8	119
16		HEXATRIACONTANE C36	1.002	1.053	-5.0	122

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Continuing Calibration Report F1

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration

Continuing Calibration File: F1E1493.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
1	I	5a-Androstane	1.000	1.000	0.0	112
2	S	para-Terphenyl	1.085	1.136	-4.7	123
3		NONANE C9	1.024	1.073	-4.8	124
4		DECANE C10	1.018	1.042	-2.3	121
5		DODECANE C12	1.000	0.998	0.1	118
6		TETRADECANE C14	0.996	1.030	-3.3	121
7		HEXADECANE C 16	1.024	1.065	-4.0	122
8		OCTADECANE C18	1.035	1.088	-5.1	124
9		NONADECANE C19	1.044	1.093	-4.7	123
10		EICOSANE C20	1.057	1.079	-2.1	120
11		DOCOSANE C22	1.059	1.097	-3.6	122
12		TETRACOSANE C24	1.057	1.093	-3.3	122
13		HEXACOSANE C26	1.059	1.088	-2.7	120
14		OCTACOSANE C28	1.053	1.090	-3.5	121
15		TRIACONTANE C30	1.044	1.071	-2.6	120
16		HEXATRIACONTANE C36	1.002	1.049	-4.7	123

Quantitation Report (QT Reviewed)

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1455.D Vial: 92
Acq On : 6-6-05 21:59:20 PM Operator: TT
Sample : ETPH CCV Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 7 13:34 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1)	I 5a-Androstane	16.18	43789786	40.000	ug/ml
	System Monitoring Compounds				
2)	S para-Terphenyl	17.03	62399722	52.530	ug/ml
Spiked Amount 50.000			Recovery =	105.06%	
	Target Compounds				
3)	NONANE C9	6.16	58851968	52.501	ug/ml
4)	DECANE C10	7.95	56422851	50.604	ug/ml
5)	DODECANE C12	10.24	54480382	49.790	ug/ml
6)	TETRADECANE C14	11.92	56716717	52.004	ug/ml
7)	HEXADECANE C 16	13.35	58541735	52.231	ug/ml
8)	OCTADECANE C18	14.62	59118789	52.191	ug/ml
9)	NONADECANE C19	15.20	59859171	52.386	ug/ml
10)	EICOSANE C20	15.76	59486414	51.401	ug/ml
11)	DOCOSANE C22	16.81	60194766	51.916	ug/ml
12)	TETRACOSANE C24	17.77	59760272	51.633	ug/ml
13)	HEXACOSANE C26	18.66	59609215	51.405	ug/ml
14)	OCTACOSANE C28	19.48	59366218	51.486	ug/ml
15)	TRIACONTANE C30	20.37	58580869	51.272	ug/ml
16)	HEXATRIACONTANE C36	25.25	56505170	51.509	ug/ml

JS 6/9/05

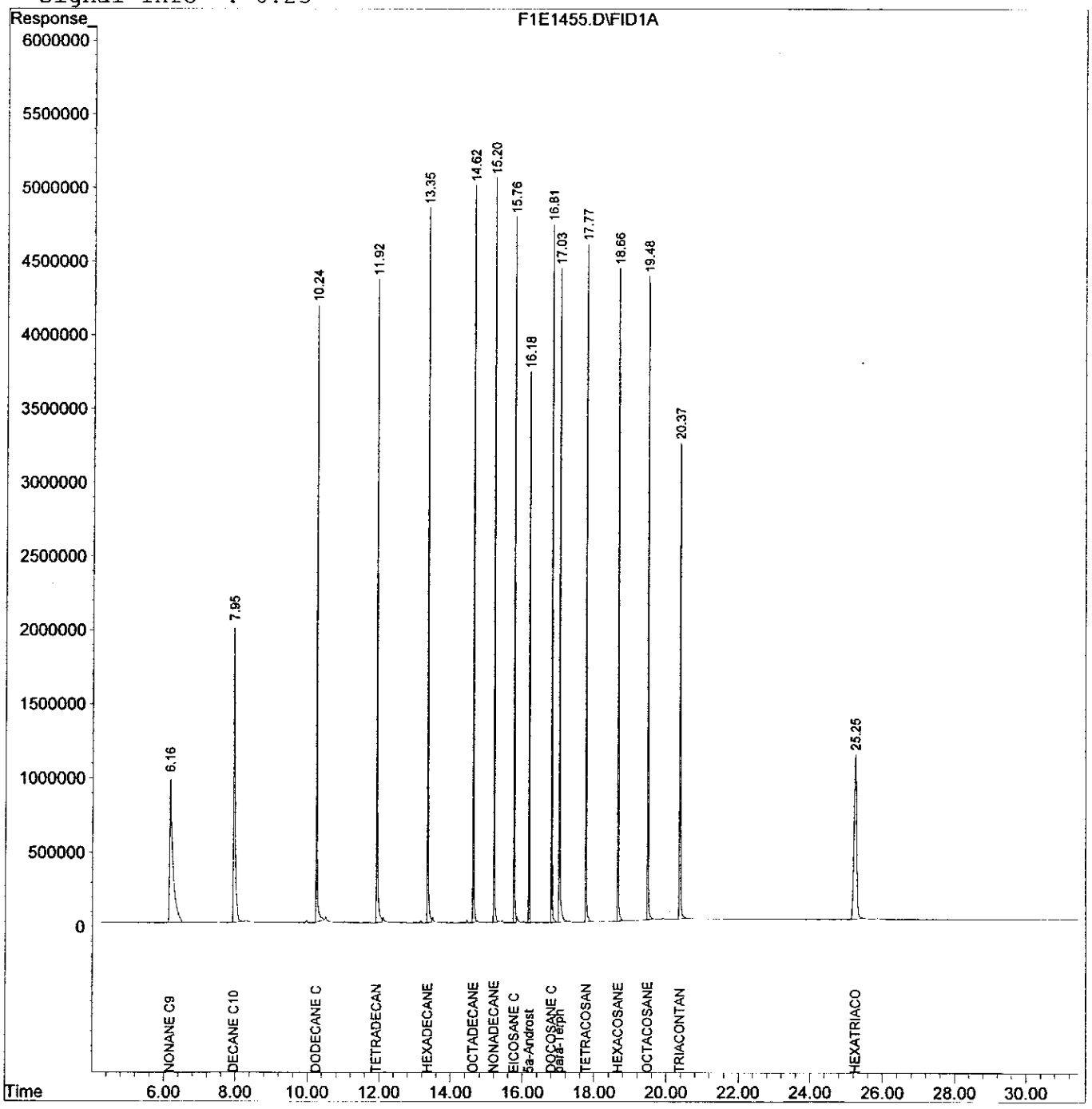
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1455.D Vial: 92
Acq On : 6-6-05 21:59:20 PM Operator: TT
Sample : ETPH CCV Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 7 13:34 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1479.D Vial: 92
Acq On : 6-7-05 5:41:18 PM Operator: TT
Sample : ETPH CCV Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 7 13:35 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1)	I 5a-Androstane	16.18	44875665	40.000	ug/ml
	System Monitoring Compounds				
2)	S para-Terphenyl	17.03	63809241	52.417	ug/ml
Spiked Amount 50.000			Recovery =	104.83%	
	Target Compounds				
3)	NONANE C9	6.16	60107886	52.323	ug/ml
4)	DECANE C10	7.95	58504632	51.202	ug/ml
5)	DODECANE C12	10.24	56163451	50.086	ug/ml
6)	TETRADECANE C14	11.92	57883904	51.790	ug/ml
7)	HEXADECANE C 16	13.35	59858268	52.113	ug/ml
8)	OCTADECANE C18	14.62	60525156	52.140	ug/ml
9)	NONADECANE C19	15.20	61270099	52.323	ug/ml
10)	EICOSANE C20	15.76	60772664	51.241	ug/ml
11)	DOCOSANE C22	16.81	61566836	51.815	ug/ml
12)	TETRACOSANE C24	17.77	61201093	51.598	ug/ml
13)	HEXACOSANE C26	18.65	61098935	51.414	ug/ml
14)	OCTACOSANE C28	19.48	60845446	51.492	ug/ml
15)	TRIACONTANE C30	20.38	60182705	51.400	ug/ml
16)	HEXATRIACONTANE C36	25.25	59043632	52.520	ug/ml

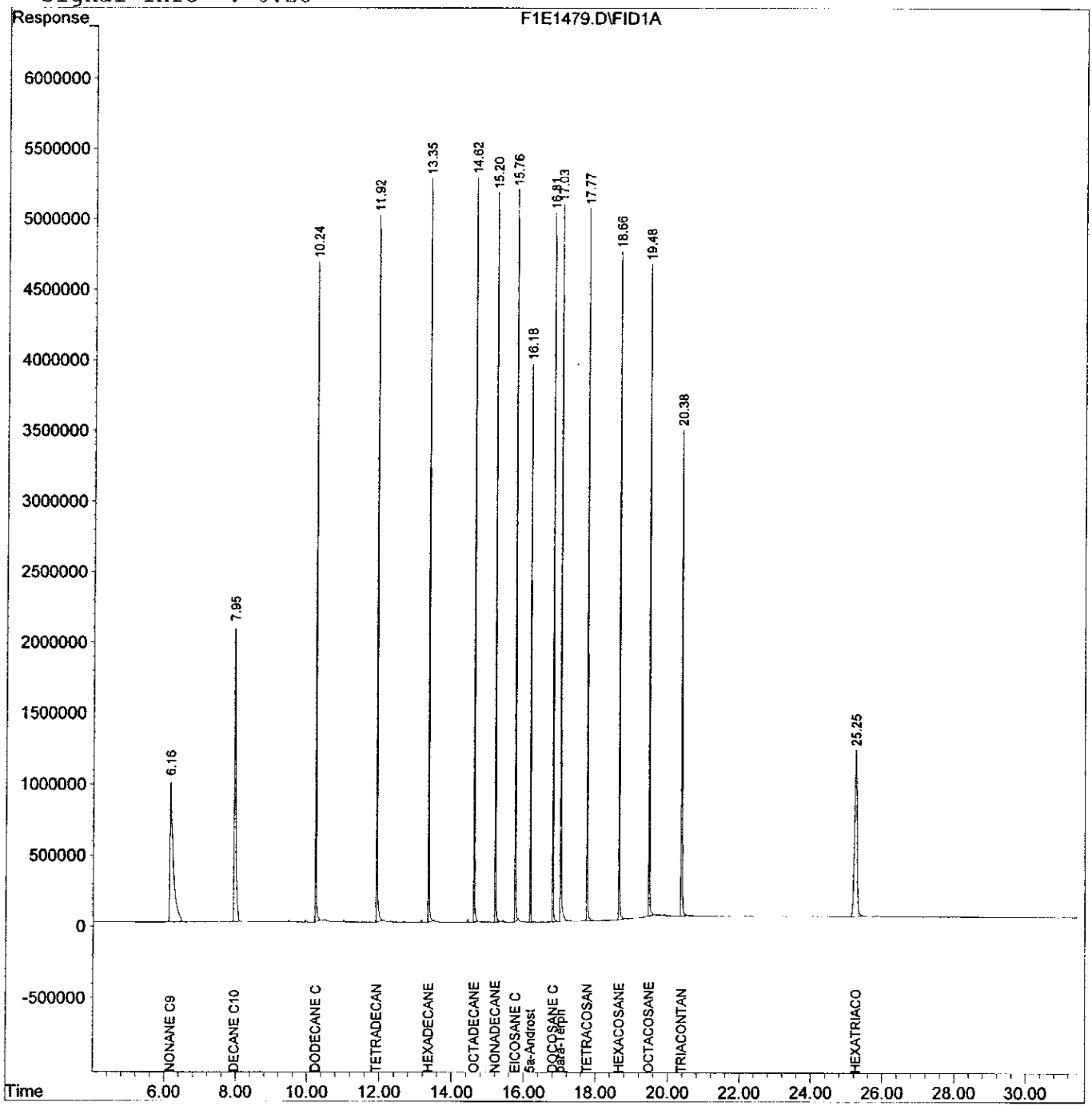
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1479.D Vial: 92
Acq On : 6-7-05 5:41:18 PM Operator: TT
Sample : ETPH CCV Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 7 13:35 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1493.D Vial: 92
Acq On : 6-7-05 10:08:27 PM Operator: TT
Sample : ETPH CCV Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 7 13:36 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1)	I 5a-Androstane	16.18	45440856	40.000	ug/ml
	System Monitoring Compounds				
2)	S para-Terphenyl	17.03	64553088	52.368	ug/ml
Spiked Amount	50.000		Recovery =	104.74%	
	Target Compounds				
3)	NONANE C9	6.16	60931043	52.380	ug/ml
4)	DECANE C10	7.95	59208100	51.173	ug/ml
5)	DODECANE C12	10.24	56699460	49.935	ug/ml
6)	TETRADECANE C14	11.92	58477730	51.671	ug/ml
7)	HEXADECANE C 16	13.35	60495104	52.013	ug/ml
8)	OCTADECANE C18	14.62	61775219	52.555	ug/ml
9)	NONADECANE C19	15.20	62076567	52.353	ug/ml
10)	EICOSANE C20	15.76	61284157	51.030	ug/ml
11)	DOCOSANE C22	16.81	62328686	51.803	ug/ml
12)	TETRACOSANE C24	17.77	62058062	51.670	ug/ml
13)	HEXACOSANE C26	18.65	61810881	51.367	ug/ml
14)	OCTACOSANE C28	19.48	61900027	51.733	ug/ml
15)	TRIACONTANE C30	20.38	60807610	51.287	ug/ml
16)	HEXATRIACONTANE C36	25.25	59584582	52.342	ug/ml

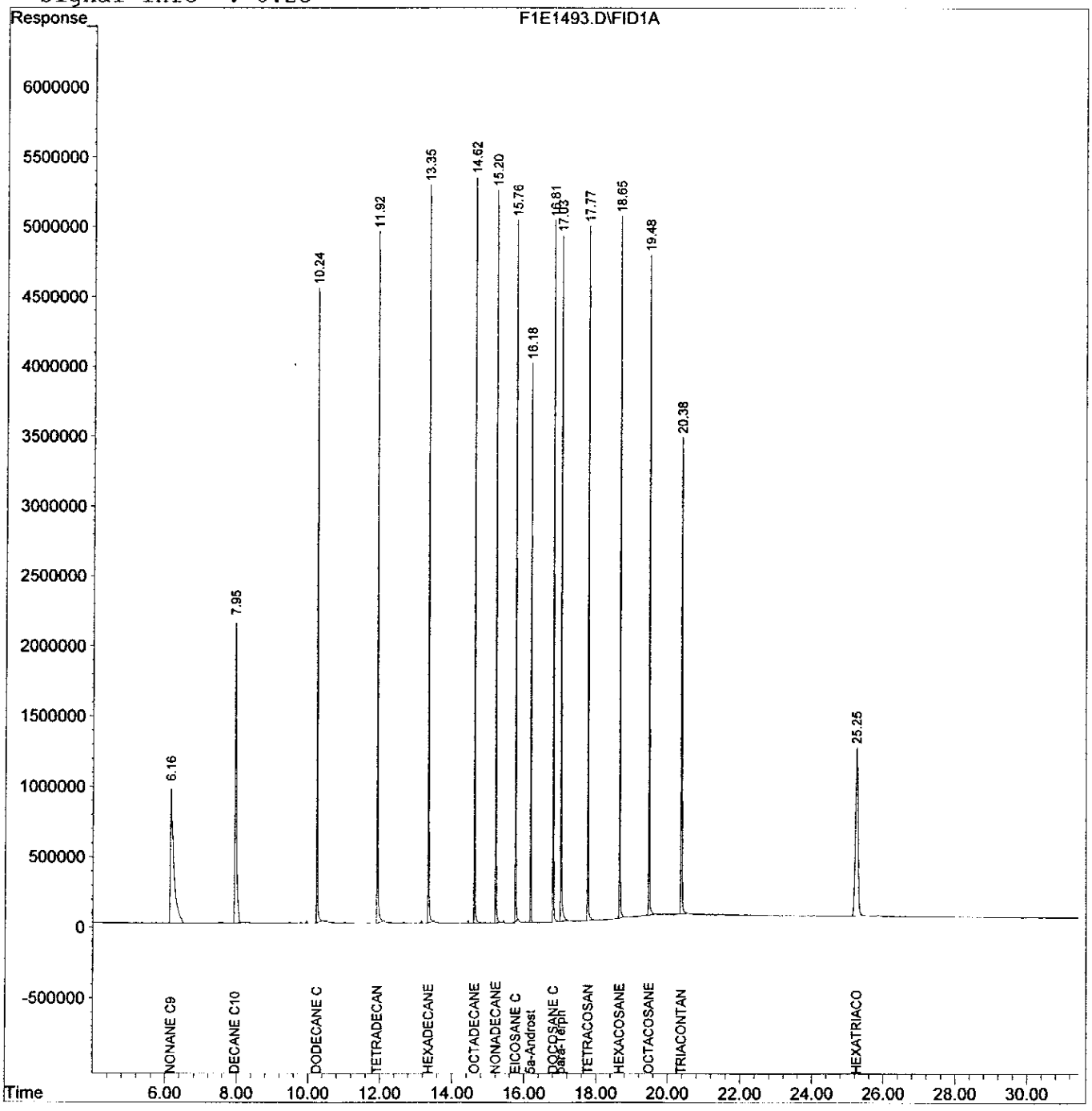
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

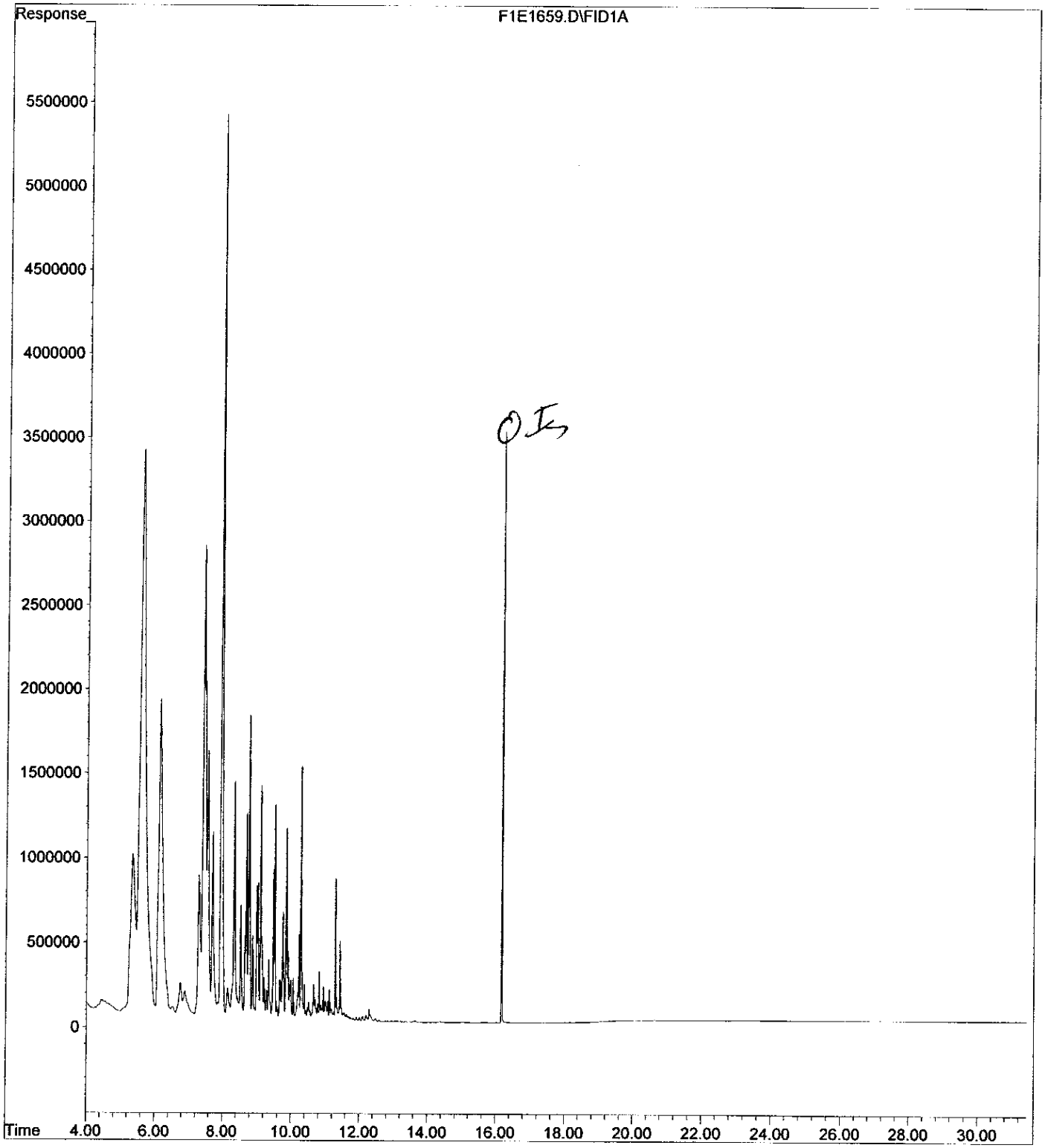
Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1493.D Vial: 92
Acq On : 6-7-05 10:08:27 PM Operator: TT
Sample : ETPH CCV Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 7 13:36 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



File : O:\ORGANIC\SVOA\F1.I\0506\050615\F1E1659.D
Operator : TT
Acquired : 6-15-05 10:33:36 PM using AcqMethod ETPH-B.M
Instrument : F1
Sample Name: GASOLINE
Misc Info :
Vial Number: 18

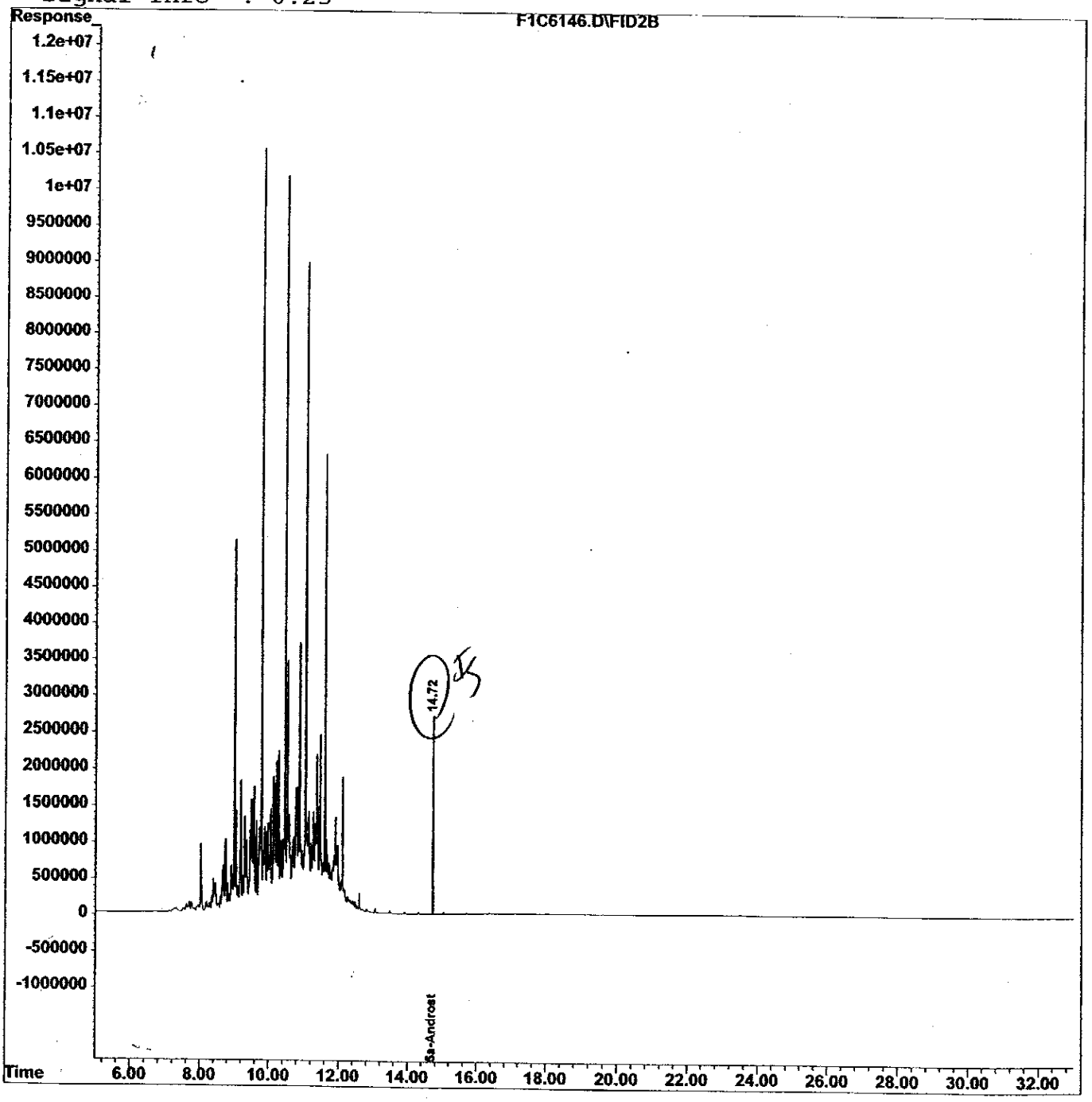


Quantitation Report

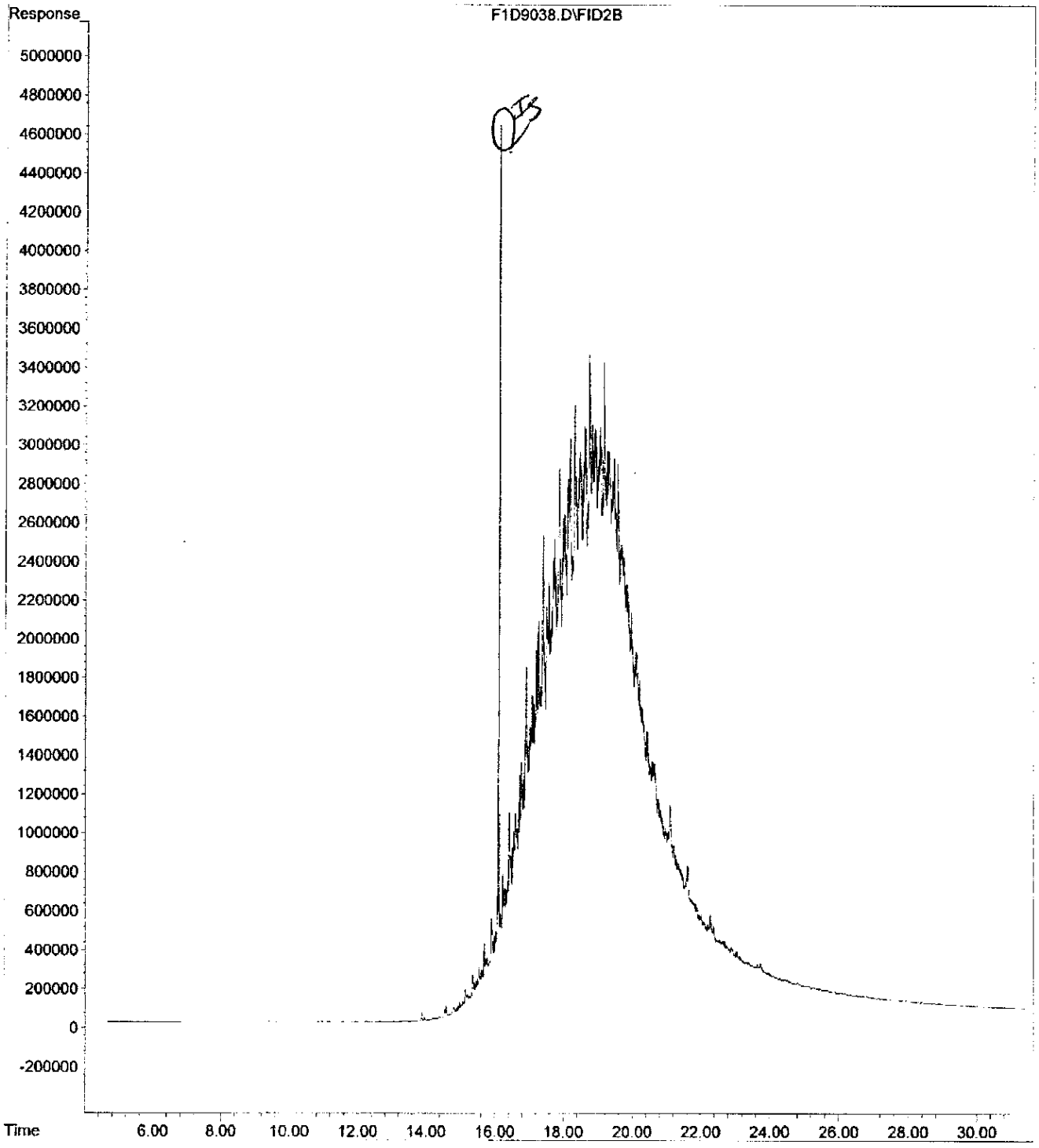
Data File : C:\HPCHEM\1\DATA\OCT02\021028.SEC\F1C6146.D Vial: 73
Acq On : 10-28-02 9:41:50 PM Operator:
Sample : JP-5 FUEL 5MG/ML ← a military jet fuel (like Kerosene) Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 28 10:16 19102 Quant Results File: ET0909R.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\METHODS\ET0909R.M (Chemstation Integr
Title : TPH-GC, Fuel ID, DRO
Last Update : Thu Oct 24 12:26:12 2002
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



File : O:\ORGANIC\SVOA\F1.I\0502\050228.SEC\F1D9038.D
Operator : TT
Acquired : 3-1-05 13:49:02 PM using AcqMethod ETPH-B.M
Instrument : F1
Sample Name: MOTOR OIL ST
Misc Info :
Vial Number: 10



0017 Calabrese
0287

Mitkem Corporation

Date: *14-Jun-05*

CLIENT: Day Environmental, Inc.
Work Order: D0603
Project: Jamestown

ANALYTICAL QC SUMMARY REPORT

TestCode: TPH_S

Sample ID **MB-18361**	SampType: **MBLK**	TestCode: **TPH_S**			Prep Date: **06/02/2005**		Run ID: **F1_050606B**				
Client ID: **MB-18361**	Batch ID: **18361**	Units: **mg/Kg**			Analysis Date: **06/06/2005**		SeqNo: **356986**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	ND	12									
Surr: para-Terphenyl	1.49	0.83	1.667	0	89.4	64.7	104	0	0		

Sample ID **LCS-18361**	SampType: **LCS**	TestCode: **TPH_S**			Prep Date: **06/02/2005**		Run ID: **F1_050606B**				
Client ID: **LCS-18361**	Batch ID: **18361**	Units: **mg/Kg**			Analysis Date: **06/06/2005**		SeqNo: **356987**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	119.4	12	166.7	0	71.6	67.3	108	0	0		
Surr: para-Terphenyl	1.231	0.83	1.667	0	73.9	64.7	104	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

0288

Quantitation Report (QT Reviewed)

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1459.D Vial: 30
Acq On : 6-6-05 23:16:31 PM Operator: TT
Sample : MB 18361 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 7 13:08 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Mon May 23 15:41:10 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1)	I 5a-Androstane	16.18	51156878	40.000	ug/ml
	System Monitoring Compounds				
2)	S para-Terphenyl	17.03	62040930	44.707	ug/ml
Spiked Amount	50.000		Recovery =	89.41%	
	Target Compounds				
3)	NONANE C9	0.00	0	N.D.	ug/ml
4)	DECANE C10	0.00	0	N.D.	ug/ml
5)	DODECANE C12	0.00	0	N.D.	ug/ml
6)	TETRADECANE C14	0.00	0	N.D.	ug/ml
7)	HEXADECANE C 16	0.00	0	N.D.	ug/ml
8)	OCTADECANE C18	0.00	0	N.D.	ug/ml
9)	NONADECANE C19	0.00	0	N.D.	ug/ml
10)	EICOSANE C20	0.00	0	N.D.	ug/mld
11)	DOCOSANE C22	0.00	0	N.D.	ug/mld
12)	TETRACOSANE C24	0.00	0	N.D.	ug/ml
13)	HEXACOSANE C26	0.00	0	N.D.	ug/ml
14)	OCTACOSANE C28	0.00	0	N.D.	ug/ml
15)	TRIACONTANE C30	0.00	0	N.D.	ug/mld
16)	HEXATRIACONTANE C36	0.00	0	N.D.	ug/ml

gs 6/14/05

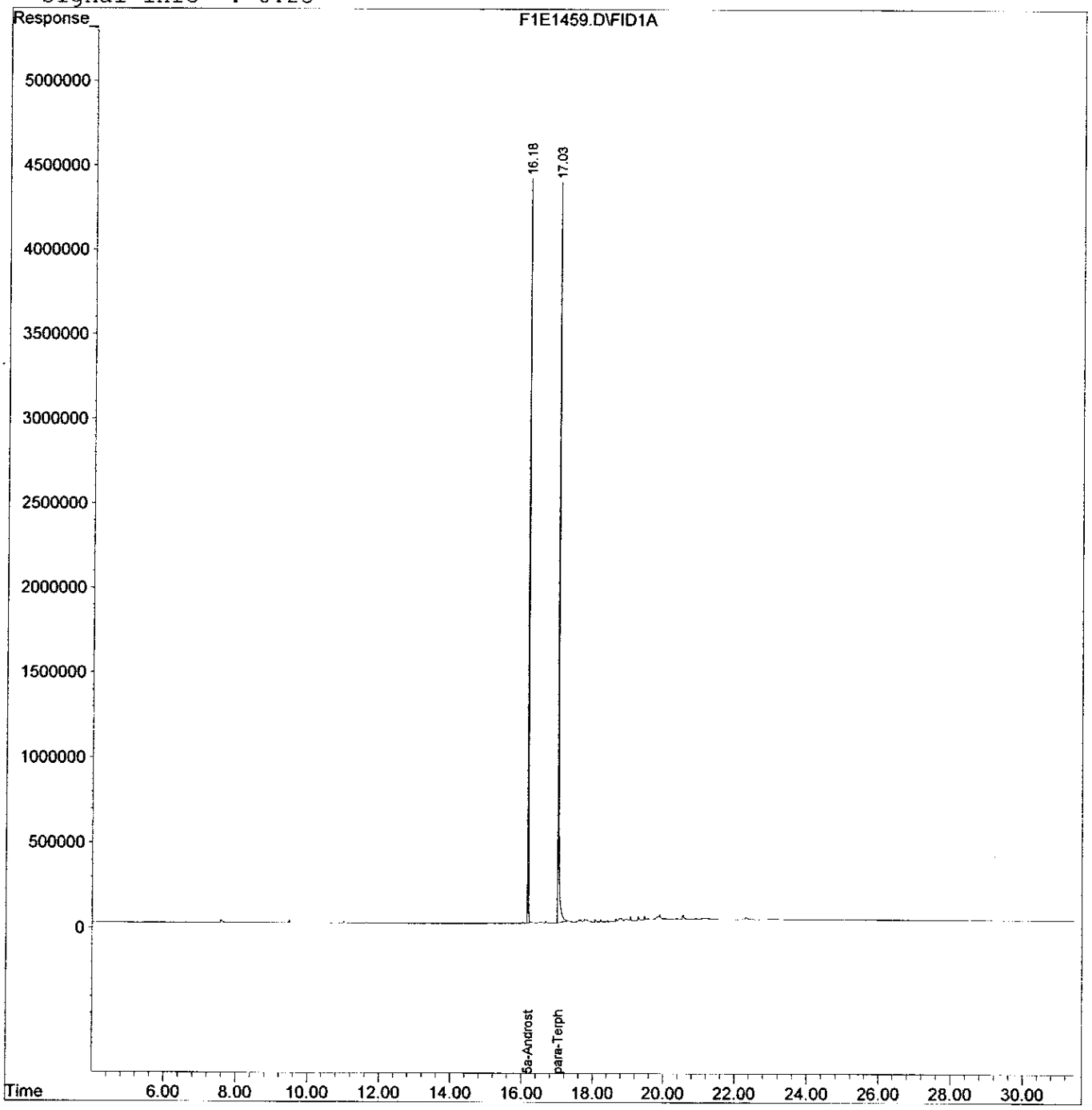
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1459.D Vial: 30
Acq On : 6-6-05 23:16:31 PM Operator: TT
Sample : MB 18361 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 7 13:08 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Mon May 23 15:41:10 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Area Percent Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1459.D Vial: 30
Acq On : 6-6-05 23:16:31 PM Operator: TT
Sample : MB 18361 Inst : F1
Misc : Multiplr: 1.00
IntFile : autoint1.e

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\AL0210R.M (Chemstation Integrator)
Title : EPH Aliphatic Hydrocarbon Fraction

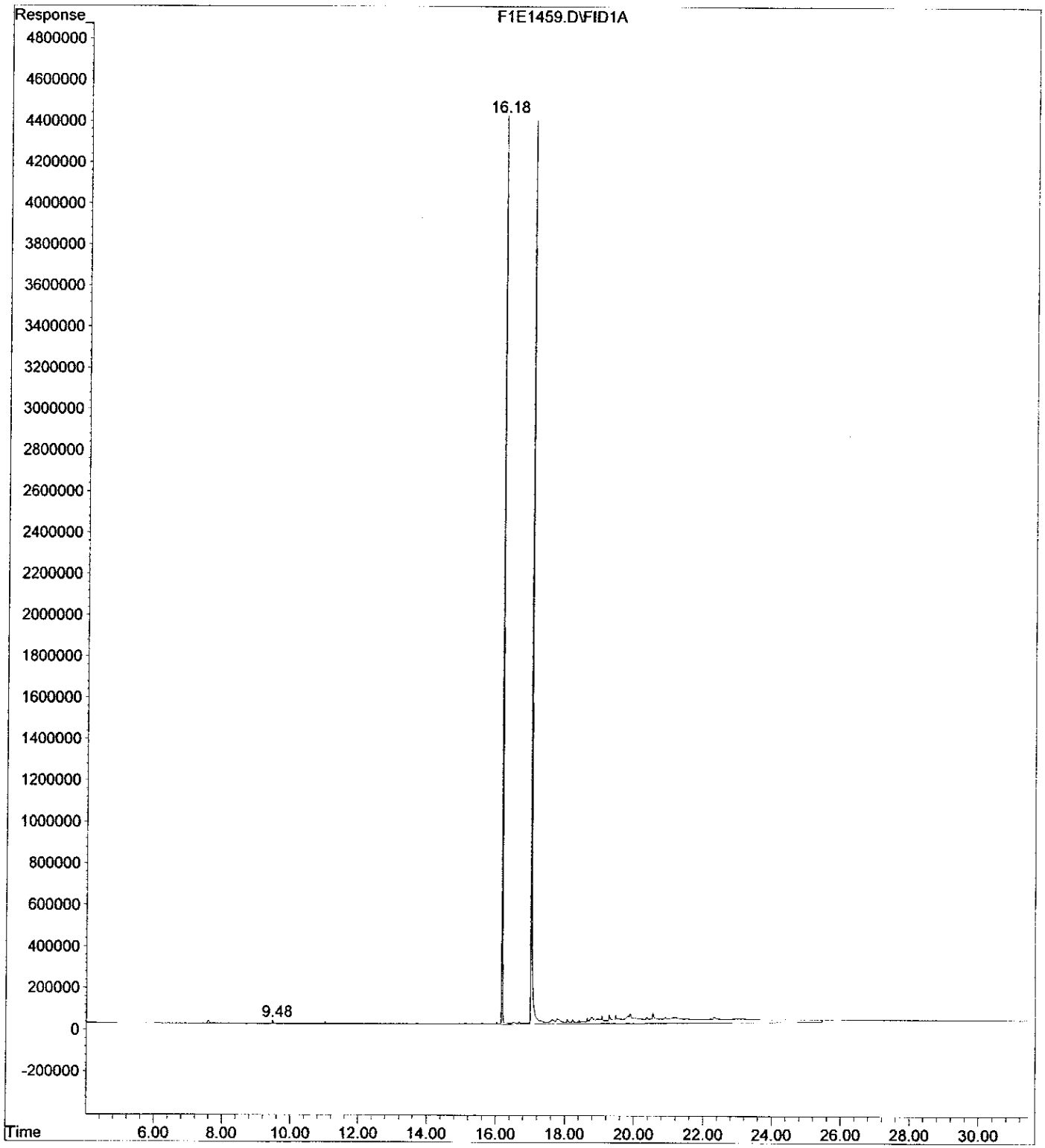
Signal : F1E1459.D\FID1A

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	9.481	5.972	15.904	M	16808	11340185	5.57%	5.278%
2	16.178	15.933	25.460	M	4398777	203522622	100.00%	94.722%

Sum of corrected areas: 214862807

F1E1459.D AL0210R.M Tue Jun 14 09:21:52 2005 D TS 6/14/05

File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1459.D
Operator : TT
Acquired : 6-6-05 23:16:31 PM using AcqMethod ETPH-B.M
Instrument : F1
Sample Name: MB 18361
Misc Info :
Vial Number: 30



Quantitation Report (QT Reviewed)

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1461.D Vial: 31
Acq On : 6-6-05 23:55:05 PM Operator: TT
Sample : LCS 18361 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 7 13:12 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1) I	5a-Androstane	16.18	63656978	40.000	ug/mlm
	System Monitoring Compounds				
2) S	para-Terphenyl	17.03	63784043	36.937	ug/mlm
Spiked Amount	50.000		Recovery =	73.87%	
	Target Compounds				
3)	NONANE C9	0.00	0	N.D.	ug/mld
4)	DECANE C10	0.00	0	N.D.	ug/mld
5)	DODECANE C12	0.00	0	N.D.	ug/mld
6)	TETRADECANE C14	0.00	0	N.D.	ug/mld
7)	HEXADECANE C 16	0.00	0	N.D.	ug/mld
8)	OCTADECANE C18	0.00	0	N.D.	ug/mld
9)	NONADECANE C19	0.00	0	N.D.	ug/mld
10)	EICOSANE C20	0.00	0	N.D.	ug/mld
11)	DOCOSANE C22	0.00	0	N.D.	ug/mld
12)	TETRACOSANE C24	0.00	0	N.D.	ug/mld
13)	HEXACOSANE C26	0.00	0	N.D.	ug/mld
14)	OCTACOSANE C28	0.00	0	N.D.	ug/mld
15)	TRIACONTANE C30	0.00	0	N.D.	ug/ml
16)	HEXATRIACONTANE C36	0.00	0	N.D.	ug/ml

3 75 6/9/15

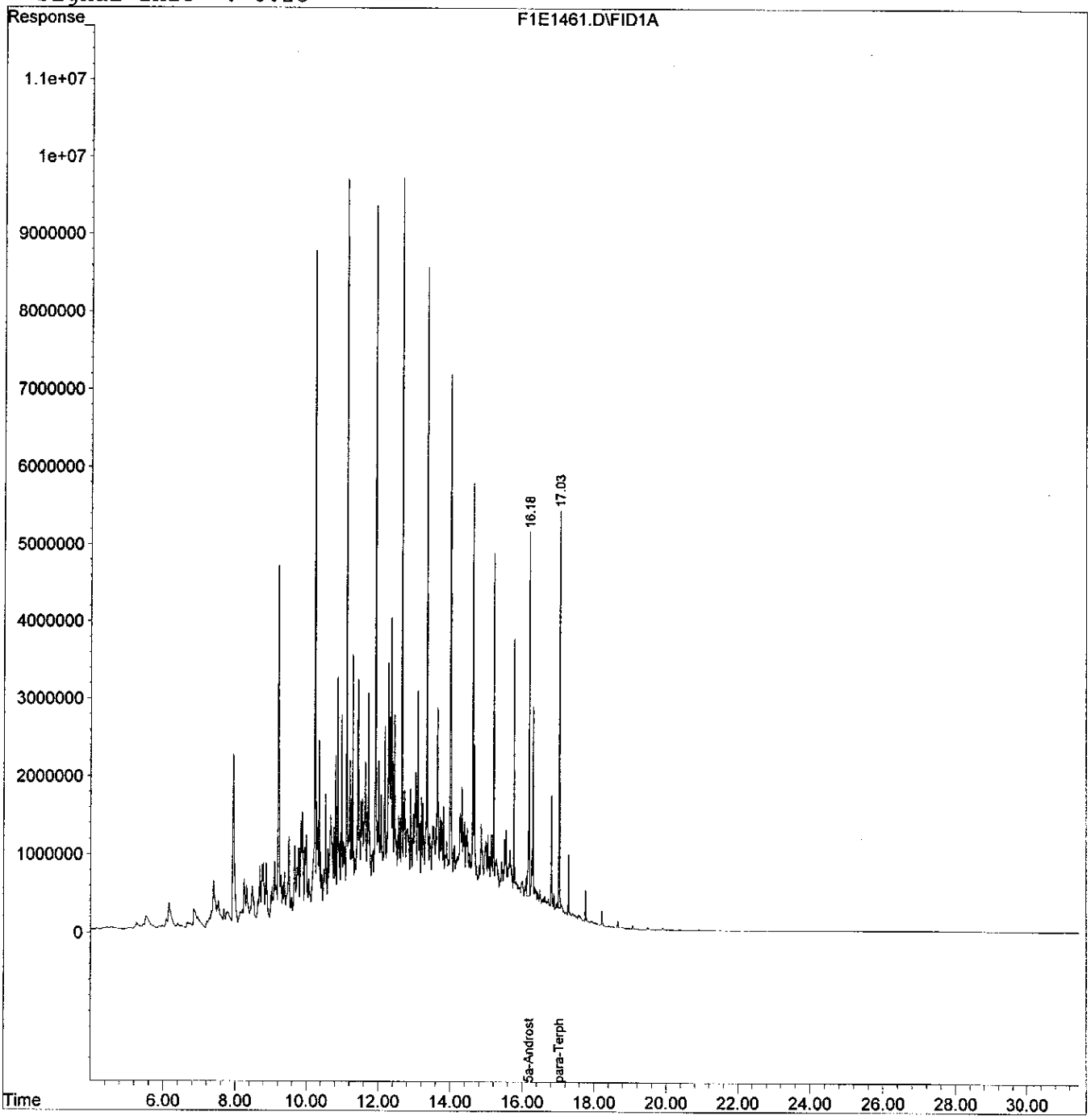
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1461.D Vial: 31
Acq On : 6-6-05 23:55:05 PM Operator: TT
Sample : LCS 18361 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 7 13:12 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

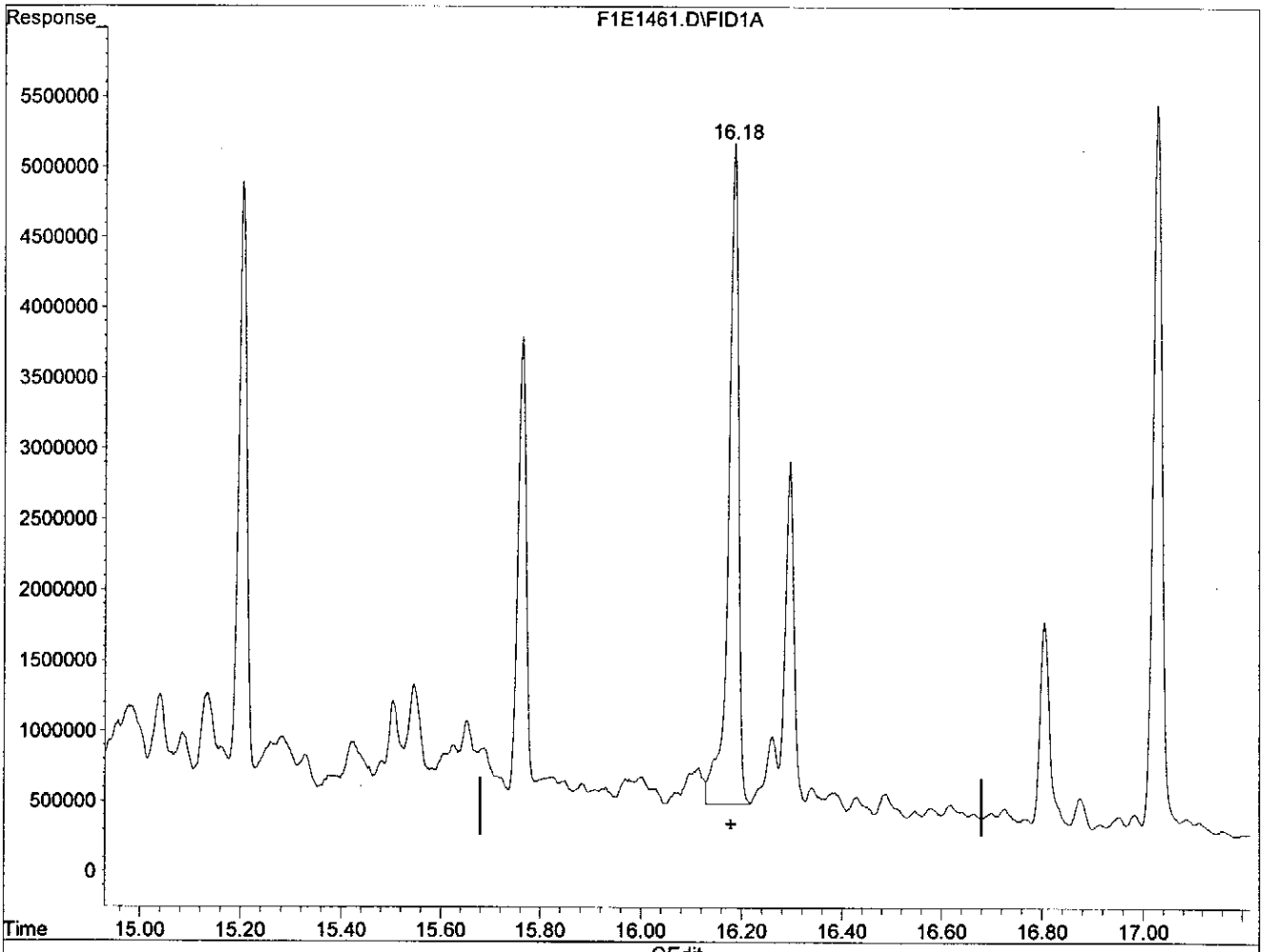
Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1461.D Vial: 31
Acq On : 6-6-05 23:55:05 PM Operator: TT
Sample : LCS 18361 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 7 13:11 19105 Quant Results File: ET0209F.RES

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration



(1) 5a-Androstane (I)

16.18min 40.000ug/ml m

response 63656978

gs 6/9/1

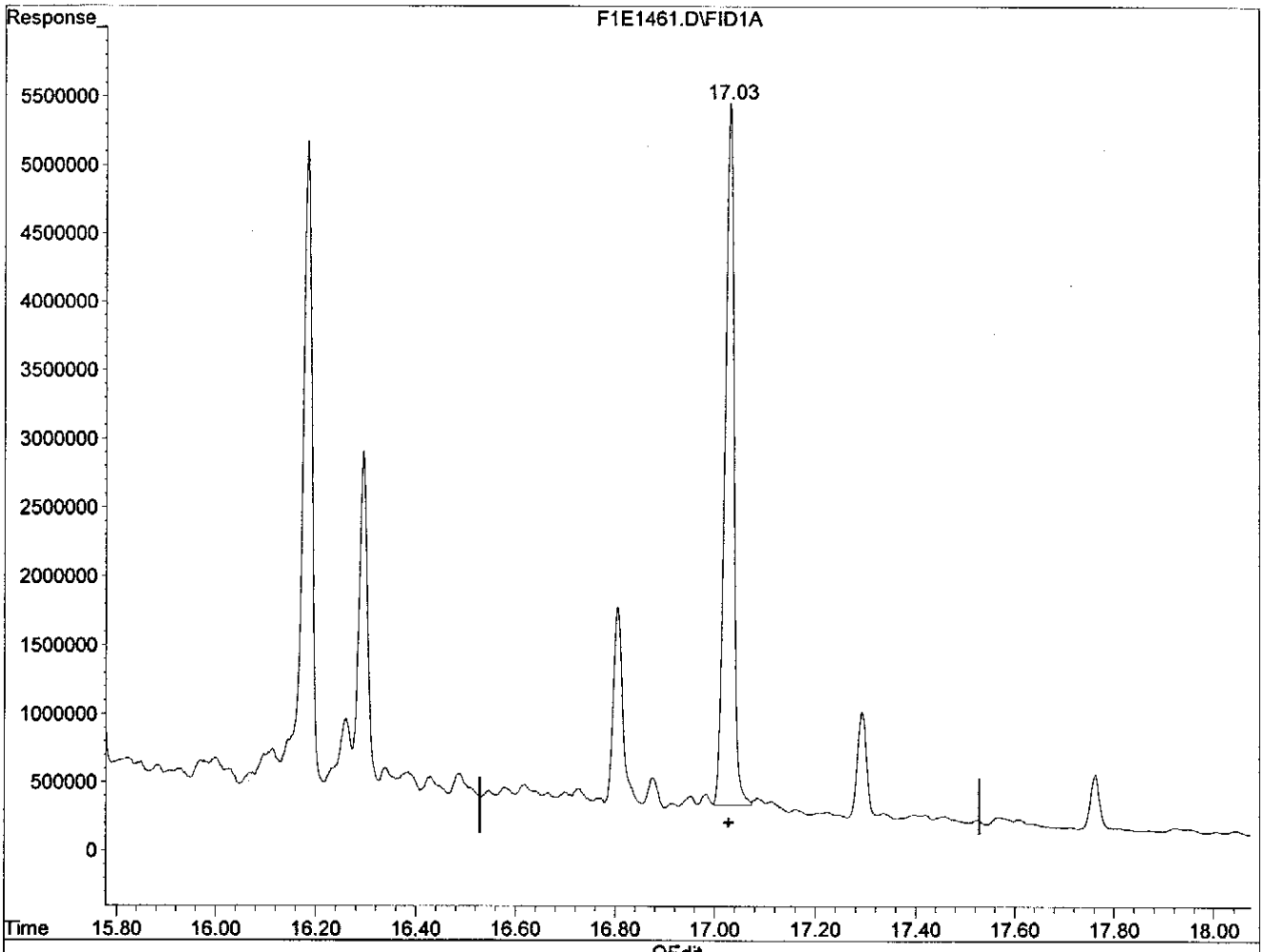
(+) = Expected Retention Time

F1E1461.D ET0209F.M Tue Jun 07 13:12:40 2005 D

Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1461.D Vial: 31
Acq On : 6-6-05 23:55:05 PM Operator: TT
Sample : LCS 18361 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 7 13:11 19105 Quant Results File: ET0209F.RES

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration



(2) para-Terphenyl (S)

17.03min 36.937ug/ml m

response 63784043

9s 6/9/5

(+) = Expected Retention Time

F1E1461.D ET0209F.M Tue Jun 07 13:12:45 2005 D

Area Percent Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1461.D Vial: 31
Acq On : 6-6-05 23:55:05 PM Operator: TT
Sample : LCS 18361 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,

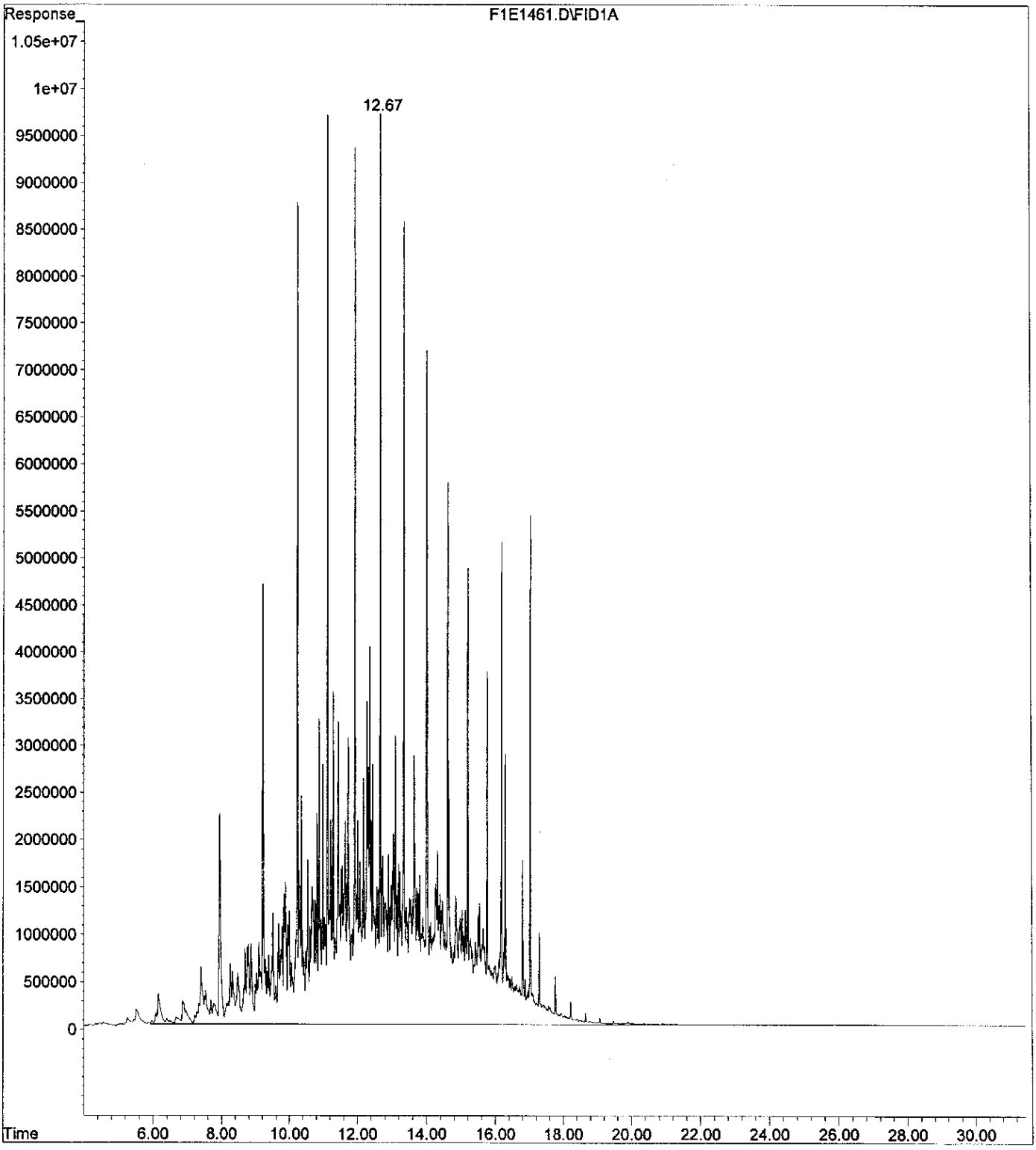
Signal : F1E1461.D\FID1A

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	12.666	5.931	25.545	M	9673895	6020559562	100.00%	100.000%

Sum of corrected areas: 6020559562

F1E1461.D ET0209F.M Tue Jun 07 13:13:40 2005 D

File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1461.D
Operator : TT
Acquired : 6-6-05 23:55:05 PM using AcqMethod ETPH-B.M
Instrument : F1
Sample Name: LCS 18361
Misc Info :
Vial Number: 31



Sample	D0609 total area	inter area	surr area	SW (g)	%solid	RRF	IC ug/ml	FV (ml)	Dilu	TPH (mg/kg)	RL (mg/kg)	Surr(%)	MS	OMEGA TPH	OMEGA SURR	
MB-18361	214,862,807	51,156,878	62,040,930	30.0	100	1.0337	40	1	1	3	12	89		76.9012	44.708	1.0851
LCS-18361	6,020,559,562	63,656,978	63,784,043	30.0	100	1.0337	40	1	1	119	12	74	72	3582.3221	36.938	1.0851
D0609-01A	412,598,135	52,104,240	60,144,797	30.1	90	1.0337	40	1	1	8	13	85		223.0585	42.553	1.0851
D0609-01AMS	5,439,305,554	59,917,727	56,232,841	30.1	90	1.0337	40	1	1	127	13	69		3437.7893	34.597	1.0851
D0609-01AMSD	5,421,275,473	58,703,578	58,650,862	30.0	90	1.0337	40	1	1	129	13	74		3496.2136	36.831	1.0851
D0609-02A	749,542,007	50,895,191	60,823,128	30.0	91	1.0337	40	1	1	18	13	88		484.9415	44.055	1.0851
D0609-03A	273,786,797	51,923,712	55,425,215	30.0	91	1.0337	40	1	1	5	13	79		124.0372	39.350	1.0851
D0609-07A	9,555,173,912	71,043,779	75,583,290	30.0	88	1.0337	40	1	1	194	13	78		5124.6236	39.220	1.0851
D0609-10A	623,849,134	63,426,298	71,497,321	30.0	87	1.0337	40	1	1	11	13	83		298.2901	41.555	1.0851
D0609-11A	372,682,566	51,230,558	56,840,199	30.0	80	1.0337	40	1	1	8	15	82		199.8691	40.901	1.0851
D0609-15A	371,588,518	51,769,127	55,321,655	30.1	86	1.0337	40	1	1	8	14	79		197.7045	39.394	1.0851
D0609-16A	267,501,349	50,993,962	52,324,519	30.0	89	1.0337	40	1	1	5	13	76		124.5875	37.826	1.0851
D0609-17A	260,511,320	49,100,252	54,743,175	30.0	93	1.0337	40	1	1	4	13	82		123.4701	41.101	1.0851
D0623-06A	470,695,253	50,550,534	51,689,555	30.0	85	1.0337	40	1	1	11	14	75		282.0489	37.695	1.0851
D0623-07A	249,712,916	51,537,414	46,890,207	30.0	81	1.0337	40	1	1	5	14	67		113.5899	33.540	1.0851
D0603-01A	7,217,966,623	53,054,216	58,530,035	30.0	68	1.0337	40	1	1	254	17	81		5183.1544	40.669	1.0851

TPH (mg/kg)= $\frac{\text{(Total area - Inter. Area - Surr. Area)* IC (ug/ml)* FV (ml)* Dilu.* 100}}{\text{Inter. Area* RRF* SW(g)* \%solid}}$

MITKEM CORPORATION ORGANIC PREP - SAMPLE PREPARATION: SEMIVOLATILES

Date: 6-2-05	Analysis: TPH		Method #: Aq: 3510C (SepF) 3520C (Liq/Liq) Other: / Soil: 3550B (Sonic) 3540C (Soxhlet)	Matrix: Aqueous (Soil) Wipe Oil Other:	Batch ID: DY009, DY023
Blank ID: 18361	LCS ID: 18361		Analyst: SK / Spiked By: SK / Witness: TS / Solvent Name/Lot#: B1 7EHO Merck	H_2SO_4 Lot#: — / NaOH Lot#: —	Time Started: 11:00 / Time Ended:

Workorder ID	Sample ID	Sample Wt (g) / Vol (ml)	Initial pH	Surrogate Spike Added	Matrix Spike Added	H2SO4 pH<2	NaOH pH>11	Emulsion	KD Prior to Fractionation Date / Analyst	Fractionation Date / Analyst	Final Concentration Date / Analyst	Final Conc. Volume (ml)	Date Extract Trans.
MB-18361		30.0		OSWOSOS25B 1ML	—						6/6/05 MM	1 mL	6/6/05
LCS-18361		30.0			OSWOSO208C 1ML								
DY009	01A	30.1			—								
	01AMS	30.1			OSWOSO208C 1ML								
	01AMSD	30.0			OSWOSO208C 1ML								
	02A	30.0			—								
	03A	30.0											
	07A	30.0											
	10A	30.0											
	11A	30.0											
	15A	30.1											
	16A	30.0											
DY009	17A	30.0											
DY023	06A	30.0											
DY023	07A	30.0		OSWOSOS25B 1ML	—						6/6/05 MM	1 mL	6/6/05

SK 6/7/05

Comments: SS: OWR050602C
☆ DY009-01A added to batch, forgot to write. SK 6/8/05
WT = 30.10g

Sonicator Tuned: Yes / No

Water Bath Temperature: _____

Logbook ID: 50.0147-05/05

Reviewed By: [signature] 6/14/05

Percent Moisture and Percent Solids Report

Mitkem Sample ID	*Client Sample ID*	*Analyzed*	*Percent Moisture*	*Percent Solids*	*Validated*
D0603-01A	*B-8 (4.0')*	06/13/2005	32	68	No
D0603-02A	*B-11 (3.0')*	06/13/2005	24	76	No

MITKEM CORPORATION EXTRACT TRANSFER LOGBOOK: SEMIVOLATILE ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred By	Received By	Storage Location	Comments
06/03/05	MB-18304		UG	AJ	R7	
	DO600	01B		✓		
		02B		✓		
		MS 02B		✓		
		MSD 02B		✓		
	DO600	03B		✓		
	DO608	01B		✓		
		02A		✓		
		03A		✓		
		04A		✓		
		05A		✓		
		06A		✓		
		10A		✓		
06/03/05	DO608	12B	UG	✓		
06/03/05	MB-18320		UG	✓		
	LCS-18320			✓		
	LCSD-18320			✓		
	DO606	01J		✓ ✓		
06/03/05	DO606	02J	UG	AJ	R7	
6/6/05	MB 18360		mm	AJ	RM	
	LCS 18360			✓		
	DO607	01A		✓		
		02A		✓		
		02A MS		✓		
		02A MSD		✓		
		03A		✓		
		04A		✓		
		07A		✓		
	DO607	08A		✓		
6/6/05	~~DO612~~ DO612	01A	mm	MS	RM	
6/6/05	MB18361		mm	JS	RM	
	LCS18361			✓		
	DO603	01A		✓		
6/6/05	DO609	01A	mm	JS	RM	

Logbook ID 70.0141-04/05

Reviewed By:

0302

MITKEM CORPORATION EXTRACT TRANSFER LOGBOOK: SEMIVOLATILE ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred By	Received By	Storage Location	Comments
6/6/05	D0609	01A MS	mm	TS	R4	
		01A MSD		✓		
		02A		✓		
		03A		✓		
		07A		✓		
		10A		✓		
		11A		✓		
		15A		✓		
		16A		✓		
	D0609	17A		✓		/
	D0623	06A		✓		
6/6/05	D0623	07A	mm	TS	R4	
6/6/05	MB 18375		mm	AW	R7	
	LCS 18375			✓		
	D0607	01A		✓		
		02A		✓		
		02A MS		✓		
		02A MSD		✓		
		03A		✓		
		04A		✓		
		07A	✓	✓	✓	
6/6/05	D0607	08A	mm	✓	R7	
06/06/05	MB-18321		KG	AJ	R7	
	LCS-18321			✓		
	D0618	01B		✓		
		MS 01B		✓		
		MSD 01B		✓		
		05B		✓		
		06B	✓	✓		
06/06/05	D0618	09B	KG	✓		
06/06/05	MB-18322		KG	✓		
	LCS-18322			✓		
	LCSD-18322		✓	✓	✓	
06/06/05	D0622	01B	KG	✓ AJ	R7	

Logbook ID 70.0141-04/05

Reviewed By: _____

0303

MITKEM CORPORATION: TPH/EPH Run Logbook

Date	Lab ID	Client	Method	Filename		Dilution	yes/no	Comments	Analyst
2/6/5	D0063-02		EPH2	FID88	81		✓		
"	D0063-02		"	"	83		✓		"
2/6/5	Anonchem		EPH2	FID88	85		✓		
2/8/5	ETPH L1A		ETPH-B	FID88	90		✓		
	L1				92		✓		
	L2				94		✓		
	L3				96		✓		
	L4			FID88	98		✓		
	ETPH L5			FID89	00		✓		
	IBLK2			FID89	02		✓		
	IBLK			FID88	91		✓		
	ETPH L1A				93		✓		
	L1				95		✓		
	L2				97		✓		
	L3			FID88	99		✓		
	L4			FID89	01		✓		
2/8/5	ETPH-L5		ETPH-B	FID89	03		✓		
				2/6/05					

0304

Logbook ID: 60.0177-08/04

Reviewed by

MITKEM CORPORATION: TPH/EPH Run Logbook

Date	Lab ID		Client	Method	Filename		Dilution	yes/no	Comments	Analyst
6/6/5	1 BLK			ETPH-B	FIE14	31		V		JS
	ETPH CCV					33		V		
	~~MB 18319~~ 1BLK		1BLK			35		V		
	~~LCS 18319~~ MB 18319		MB 18319			37		V		
	~~DO618~~ LCS 18319	06B	LCS 18319			39		V		
	~~LCSD 18319~~	07B	LCSD 18319			41		V		
	~~DO618~~	08B	DO618 -06B			43		V		
	DO618	07B				45		V		
	DO618	08B				47		V		
	DO622	01C				49		V		
	"	02C				51		V		
	DO622	03C				53		V		
	ETPH CCV					55		V		
	1BLK					57		V		
	MB 18361					59		V	—	
	LCS 18361					61		V	—	
7/6/5	DO609	01A				63		V		
		MS 01A				65		V		
		MSD 01A				67		V		
		02A				69		V		
7/6/5	DO609	03A		ETPH-B	FIE14	71		V		JS

Logbook ID: 60.0177-04/05

Reviewed by

0305

MITKEM CORPORATION: TPH/EPH Run Logbook

Date	Lab ID		Client	Method	Filename		Dilution	yes/no	Comments	Analyst
6/7/15	D0609	07A		ETPH-B	F1E14	73	—	V		TS
	↓	10A				75		V		
	D0609	11A				77		V		
	ETPH CCV					79		V		
	D0609	15A				81		V		
	↓	16A				83		V		
	D0609	17A				85		V		
	D0623	06A				84		V		
↓	D0623	07A				89		V		
6/7/15	D0603	01A				91		V		
	ETPH CCV					93		V		
	TBLK					95	—	V		
	D0609 -	07A			↓	97	10x	V		
	MB18419				F1E14	99	—	V		
	~~DO~~LCS 18419				F1E15	00	01 —	V		
	D0656	02A				01	03 5X	V/-	DILUTION WASN'T NECCESERY	
↓	D0656	02A MSD				03	05 5X	V/-	DILUTION WASN'T NECCESERY	
6/7/15	ETPH CCV					05	07 —	V		
6/8/15	~~ETPH CCV~~ (73)		D0656-02A			07	09 —	V		
↓	~~TBLK~~ (73)		D0656-02AMSD	↓	↓	09	11 —	V		↓
6/8/15	~~ETPH CCV~~ (73)		D0656-02A	ETPHD	F1E15	11	13 —	V		TS

Logbook ID: 60.0177-04/05

Reviewed by

Last Page of Data Report

MITKEM CORPORATION

"Environmental Testing For The New Millennium"

June 27, 2005

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Chris Davidson

RE: Client Project: 5 Hunt Road, Jamestown, NY
Lab Work Order #: D0618

Dear Mr. Davidson:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project.

If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

Agnes R. Ng
CLP Project Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755
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MITKEM CORPORATION

* Data Summary Pack *

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Identification and Analytical Requirements Summary

Project Name: **5 HUNTS TOAD, JAMESTOWN** SDG: **D0618**

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOA GC/MS Method #	SVOA GC/MS Method #	Pest/PCB Method #	Metals	Other
MW-01	D0618-01	ASP	ASP	ASP	ASP	SEE DATA
MW-03	D0618-02	ASP				
MW-04	D0618-03	ASP				
MW-05	D0618-04	ASP				
MW-06	D0618-05	ASP	ASP	ASP	ASP	SEE DATA
MW-07	D0618-06	ASP	ASP	ASP	ASP	SEE DATA
PW-3	D0618-07	ASP				SEE DATA
MW-7	D0618-08	ASP				SEE DATA
RIN-3	D0618-09	ASP	ASP	ASP	ASP	SEE DATA
TRIP	D0618-10	ASP				

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **5 HUNTS TOAD, JAMESTOWN** SDG: **D0618**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0618-01A	AQ	5/25/05	5/27/05	NA	6/2/05
D0618-01AMS	AQ	5/25/05	5/27/05		6/3/05
D0618-01AMSD	AQ	5/25/05	5/27/05		6/3/05
D0618-02A	AQ	5/25/05	5/27/05		6/2/05; 6/3/05
D0618-03A	AQ	5/25/05	5/27/05		6/2/05; 6/3/05
D0618-04A	AQ	5/25/05	5/27/05		6/2/05
D0618-05A	AQ	5/25/05	5/27/05		6/2/05; 6/3/05
D0618-06A	AQ	5/25/05	5/27/05		6/2/05; 6/3/05; 6/23/05
D0618-07A	AQ	5/25/05	5/27/05		6/2/05; 6/3/05; 6/23/05
D0618-08A	AQ	5/25/05	5/27/05		6/3/05
D0618-09A	AQ	5/25/05	5/27/05		6/6/05
D0618-10A	AQ	5/25/05	5/27/05	NA	6/1/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Semivolatile (SVOA) Analyses

Project Name: **5 HUNTS TOAD, JAMESTOWN** SDG: **D0618**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0618-01B	AQ	5/25/05	5/27/05	5/31/05	6/6/05
D0618-01BMS	AQ	5/25/05	5/27/05	↓	↓
D0618-01BMSD	AQ	5/25/05	5/27/05		
D0618-05B	AQ	5/25/05	5/27/05		
D0618-06B	AQ	5/25/05	5/27/05		
D0618-09B	AQ	5/25/05	5/27/05	5/31/05	6/6/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Pesticides/PCB Analyses

Project Name: **5 HUNTS TOAD, JAMESTOWN** SDG: **D0618**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0618-01B	AQ	5/25/05	5/27/05	5/31/05	6/2/05
D0618-01BMS	AQ	5/25/05	5/27/05	↓	↓
D0618-01BMSD	AQ	5/25/05	5/27/05		
D0618-05B	AQ	5/25/05	5/27/05		
D0618-06B	AQ	5/25/05	5/27/05		
D0618-09B	AQ	5/25/05	5/27/05	5/31/05	6/2/05

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New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **5 HUNTS TOAD, JAMESTOWN** SDG: **D0618**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
D0618-01A	AQ	ASP	NA	Low	1
D0618-01AMS	AQ	ASP			1
D0618-01AMSD	AQ	ASP			1
D0618-02A	AQ	ASP			1; 20
D0618-03A	AQ	ASP			1; 20
D0618-04A	AQ	ASP			1
D0618-05A	AQ	ASP			1; 10
D0618-06A	AQ	ASP			1; 50; 100
D0618-07A	AQ	ASP			1; 200; 800
D0618-08A	AQ	ASP			1; 1000
D0618-09A	AQ	ASP			1
D0618-10A	AQ	ASP	NA	Low	1

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New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Semivolatile (SVOA) Analyses

Project Name: **5 HUNTS TOAD, JAMESTOWN** SDG: **D0618**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D0618-01B	AQ	ASP	3510C	NA	1
D0618-01BMS	AQ	ASP	↓	↓	↓
D0618-01BMSD	AQ	ASP	↓	↓	↓
D0618-05B	AQ	ASP	↓	↓	↓
D0618-06B	AQ	ASP	↓	↓	↓
D0618-09B	AQ	ASP	3520C	NA	1

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Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Pesticides/PCB Analyses

Project Name: **5 HUNTS TOAD, JAMESTOWN** SDG: **D0618**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D0618-01B	AQ	ASP	3510C	Florisil / Sulfur	1
D0618-01BMS	AQ	ASP	↓	↓	↓
D0618-01BMSD	AQ	ASP	↓	↓	↓
D0618-05B	AQ	ASP	↓	↓	↓
D0618-06B	AQ	ASP	↓	↓	↓
D0618-09B	AQ	ASP	3510C	Florisil / Sulfur	1

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Inorganic Analyses

Project Name: **5 HUNTS TOAD, JAMESTOWN** SDG: **D0618**

Laboratory Sample ID	Matrix	Metals Requested	Date Received by Lab	Date Analyzed
D0618-01C	AQ	ASP	5/27/05	6/3/05 - 6/7/05
D0618-01CMS	AQ	ASP	5/27/05	↓
D0618-01CMSD	AQ	ASP	5/27/05	
D0618-05C	AQ	ASP	5/27/05	
D0618-06C	AQ	ASP	5/27/05	
D0618-09C	AQ	ASP	5/27/05	6/3/05 - 6/7/05

NYASP 10/95

Analytical Data Package for Day Environmental, Inc.

Client Project No.: 5 Hunt Road, Jamestown, NY

Mitkem Work Order ID: D0618

June 27, 2005

Prepared For:

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Jeff Danzinger

Prepared By:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Day Environmental Inc.'s 5 Hunt Road, Jamestown, NY project. Under this deliverable, analysis results are presented for ten aqueous samples that were received on May 27, 2005. Analyses were performed per specifications in the project's contract and the chain of custody forms. Please note that the temperature of the sample-shipping coolers were noted to be 8 degrees C, above the normal range of 2-6 degrees C. This was communicated to the client, who approved proceeding with the analyses. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID with laboratory sample ID.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable with the exception of total petroleum hydrocarbons. The analysis results for total petroleum hydrocarbons are presented in the standard Mitkem format with supporting raw data.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatiles Analysis:

Trap used for instrument V6: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

The aqueous samples were acid preserved; pH <2.

Alkanes were determined as part of TIC. The alkanes are reported in the Alkane Narrative Report following the SDG Narrative.

Surrogate recovery: recoveries were within the QC limits with the exception of marginally low recovery of toluene-d8 in sample MW-06 and MW-7. The samples were re-analyzed with at dilution with surrogate recoveries within the QC limits. Toluene-d8 and bromofluorobenzene were recovered low in the second diluted analyses for samples MW-07 and PW-3. Surrogate recoveries were within the QC limits in the initial and first diluted analysis.

Lab control sample: spike recoveries were within the QC limits.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample MW-01. Spike recoveries were within the QC limits with the exception of high recovery of toluene in the matrix spike and high recovery of benzene and toluene in the matrix spike duplicate. Replicate RPDs were within the QC limits.

Sample analysis: due to high concentration of target analytes, the following samples were re-analyzed at dilution: MW-03 (20x), MW-04 (20x), MW-06 (10x), MW-07 (50x), MW-7 (1000x) and PW-3 (200x). Due to the concentration of tetrachloroethene and/or cis-1,2-dichloroethene exceeding the instrument calibration range, the following samples were further re-analyzed at dilution: MW-07 (100x) and PW-3 (800x). The suffix "DL1" is appended to the sample IDs, indicating the second analysis at dilution. The diluted analysis for sample MW-7 and the second diluted analysis for samples MW-07 and PW-3 were performed outside of hold time. The initial analysis and initial dilution were performed within hold time. No other unusual observation was made for the analysis.

3. Semivolatile Analysis:

GC column: 30 m x 0.25 mm id (0.5 um film thickness) DB-5MS capillary column

Surrogate recovery: recoveries were within the QC limits with the exception of high recovery of high recovery of several surrogates in all the samples including the method blank and lab control sample. Due to analyst oversight, sample 55FB0526 and the associated QC samples were mis-spiked. The samples were spiked with a surrogate spike solution that did not contain the two advisory surrogates, 2-chlorophenol-d4 and 1,2-dichlorobenzene-d4. The samples were not re-extracted due to insufficient sample volume.

Lab control sample: spike recoveries were within the QC limits with the exception of high recovery of 4-chloro-3-methylphenol, 4-nitrophenol, 2, 4-dinitrotoluene and pyrene.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample MW-01. Spike recoveries were within the QC limits with the exception of high recovery of 4-chloro-3-methylphenol, 4-nitrophenol, pentachlorophenol and pyrene in the matrix spike and 4-chloro-3-methylphenol, 4-nitrophenol, 2, 4-dinitrotoluene, pentachlorophenol and pyrene in the matrix spike duplicate. Replicate RPDs were within the QC limits.

Sample analysis: no other unusual observation was made for the analysis.

4. Pesticides/PCB Analysis:

GC column used: 30 m x 0.53 mm id (0.5 um film thickness) CLPPest and 30 m x 0.53 mm id (0.42 um film thickness) CLPPestII megabore columns

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample MW-01. Spike recoveries and replicate RPDs were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

5. Total Petroleum Hydrocarbon Analysis:

Surrogate recovery: recovery was within the QC limits.

Lab control sample/lab control sample duplicate: spike recovery and replicate RPD were within the QC limits.

Sample analysis: sample MW-07 contains resolved and unresolved peaks in the retention time range for a low boiling point product such as kerosene or jet fuel. Sample PW-3 contains

TPH consisting of a primarily a single large peak. This indicates a single chemical component, rather than a petroleum product, which is a complex mixture of a large number of chemical components. Sample MW-7 does not contain sufficient hydrocarbons to identify a petroleum product. No other unusual observation was made for the analysis.

6. Metals Analysis:

Mercury was analyzed using a Perkin Elmer Model 100 FIMS cold vapor atomic absorption analyzer. The other elements were analyzed using either a Perkin Elmer Model 3100XL Optima or a Perkin Elmer Model 4300DV ICAP.

Lab control sample: spike recovery was within the QC limits.

Matrix spike: matrix spike was performed on sample MW-01. Spike recoveries were within the QC limits with the exception of antimony, selenium and silver. These elements are flagged with an "N" on the data report forms. A post digest spike was performed and reported for antimony and selenium. Per the method, a post digest spike is not required for silver. The spike recovery for aluminum, iron, manganese and lead could not be accurately determined, as the sample concentration was significantly greater than the spike concentration. When the sample concentration is more than four times the spike concentration, it tends to obscure the relatively smaller spike amount; control limits do not apply in this circumstance.

Matrix duplicate: matrix duplicate was performed on sample MW-01. Replicate RPDs were within the QC limits.

Sample analysis: serial dilution was performed on sample MW-01 with replicate RPDs within the QC limits with the exception of barium, cobalt, iron, lead, magnesium, manganese, nickel, vanadium and zinc. These elements are qualified with an "E" on the data report forms. This is could be due to matrix interference from the high concentration of salts in the sample. No other unusual observation was made for the analysis.

7. Cyanide Analysis:

The cyanide samples were prepared using minidistill apparatus by Kontes. The resultant distillates were analyzed using a Lachat QuikChem 8000 autoanalyzer.

Lab control sample: spike recovery was within the QC limits.

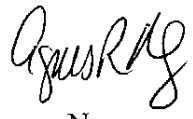
Matrix spike: matrix spike was performed on sample MW-01. Spike recovery was within the QC limits.

Matrix duplicate: matrix duplicate was performed on sample MW-01. Replicate RPD was within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.



Agnes Ng
CLP Project Manager
06/27/05

ALKANE NARRATIVE REPORT
Report date : 06/24/2005
SDG: MD0618

Client Sample ID: PW-3 Lab Sample ID: D0618-07A File ID: V6D6409

Compound	RT	Est. Conc.	Q
Cyclic Alkane	14.20	12	J

Mitkem Corporation

01/Jun/05 11:59

WorkOrder: D0618

Client ID: DAY
Project: Jamestown
Location: 5 HUNTS ROAD, JAMESTOWN
Comments: N/A

Case:
SDG:
PO: 3563S-04

Report Level: ASP-B
EDD:
HC Due: 06/17/05
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage
D0618-01A	MW-01	05/25/05 09:50	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS		☑		VOA
D0618-01B	MW-01	05/25/05 09:50	05/27/05	Aqueous	OLM4.2_PP_W	NYS CLP - ADD LCS	☐	☑	☐	J1
					OLM4.2_SVOA_W	NYS CLP - ADD LCS	☐	☑	☐	J1
D0618-01C	MW-01	05/25/05 09:50	05/27/05	Aqueous	ILM4.1_HG_W	ILM	☐	☑	☐	M3
					ILM4.1_ICP_W	ILM	☐	☑	☑	M3
D0618-01D	MW-01	05/25/05 09:50	05/27/05	Aqueous	ILM4.1_CN_W		☐	☑	☐	J1
D0618-02A	MW-03	05/25/05 13:12	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0618-03A	MW-04	05/25/05 12:59	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS		☐	☐	VOA
D0618-04A	MW-05	05/25/05 12:50	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0618-05A	MW-06	05/25/05 13:08	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0618-05B	MW-06	05/25/05 13:08	05/27/05	Aqueous	OLM4.2_PP_W	NYS CLP - ADD LCS	☐	☐	☐	J1

Client Rep: Agnes R Ng

8000

Client ID: DAY **Case:** **Report Level:** ASP-B
Project: Jamestown **SDG:** **EDD:**
Location: 5 HUNTS ROAD, JAMESTOWN **PO:** 3563S-04 **HC Due:** 06/17/05
Comments: N/A **Fax Due:**

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage
D0618-05B	MW-06	05/25/05 13:08	05/27/05	Aqueous	OLM4.2_SVOA_W	NYS CLP - ADD LCS	☐	☐	☐	J1
D0618-05C	MW-06	05/25/05 13:08	05/27/05	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M3
					ILM4.1_ICP_W	ILM	☐	☐	☑	M3
D0618-05D	MW-06	05/25/05 13:08	05/27/05	Aqueous	ILM4.1_CN_W		☐			J1
D0618-06A	MW-07	05/25/05 14:07	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0618-06B	MW-07	05/25/05 14:07	05/27/05	Aqueous	OLM4.2_PP_W	NYS CLP - ADD LCS	☐	☐	☐	J1
					OLM4.2_SVOA_W	NYS CLP - ADD LCS	☐	☐	☐	J1
					TPH_W	plus fingerprint, method 310.	☐	☐	☐	J1
D0618-06C	MW-07	05/25/05 14:07	05/27/05	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M3
					ILM4.1_ICP_W	ILM	☐	☐	☑	M3
D0618-06D	MW-07	05/25/05 14:07	05/27/05	Aqueous	ILM4.1_CN_W		☐	☐	☐	J1
D0618-07A	PW-3	05/25/05 14:19	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA

Client Rep: Agnes R Ng

6000

Mitkem Corporation — *01/Jun/05 11:59* — WorkOrder: D0618

Client ID: DAY
Project: Jamestown
Location: 5 HUNTS ROAD, JAMESTOWN
Comments: N/A

Case:
SDG:
PO: 3563S-04

Report Level: ASP-B
EDD:
HC Due: 06/17/05
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage
D0618-07B	PW-3	05/25/05 14:19	05/27/05	Aqueous	TPH_W	plus fingerprint, method 310.				J1
D0618-08A	MW-7	05/25/05 14:29	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS				VOA
D0618-08B	MW-7	05/25/05 14:29	05/27/05	Aqueous	TPH_W	plus fingerprint, method 310.				J1
D0618-09A	RIN-3	05/25/05 13:41	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS				VOA
D0618-09B	RIN-3	05/25/05 13:41	05/27/05	Aqueous	OLM4.2_PP_W	NYS CLP - ADD LCS				J1
					OLM4.2_SVOA_W	NYS CLP - ADD LCS				J1
D0618-09C	RIN-3	05/25/05 13:41	05/27/05	Aqueous	ILM4.1_HG_W	ILM				M3
					ILM4.1_ICP_W	ILM			☑	M3
D0618-09D	RIN-3	05/25/05 13:41	05/27/05	Aqueous	ILM4.1_CN_W					J1
D0618-10A	TRIP	05/25/05 00:00	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS				VOA

Client Rep: Agnes R Ng

0010

MITKEM CORPORATION

Analysis Report: Fuel Identification

Client: DAY
Analysis: 310.13
Matrix: Soil
Extraction Date: 05/31/2005

Lab ID	Client ID	Result	Analysis Date:
D0618-06B	MW-07	see below	06/06/2005
D0618-07B	PW-3	see below	06/06/2005
D0618-08B	MW-7	see below	06/06/2005

Fuel Identification:

Sample D0618-06B contains resolved and unresolved peaks in the retention time range for low boiling-point petroleum product such as kerosene or jet fuel.

Sample D0618-07B contains TPH consisting of primarily a single large peak. This indicates a single chemical component, rather than a petroleum product, which is a complex mixture of a large number of chemical components. This extract could be analyzed by GC/MS to identify this large peak.

Sample D0618-08B does not contain sufficient hydrocarbons to identify a petroleum product.

Mitkem Corporation

Date: *20-Jun-05*

Client: Day Environmental, Inc.
Client Sample ID: MW-07
Lab ID: D0618-06
Project: Jamestown
Collection Date: 05/25/05 14:07

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL PETROLEUM HYDROCARBONS (TPH) BY GC-FID				**TPH_W**			
Extractable Total Petroleum Hydrocarbon	0.86		0.35	mg/L	1	06/06/2005 18:09	18319
Surr: para-Terphenyl	79.0		24.4-123	%REC	1	06/06/2005 18:09	18319

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *20-Jun-05*

Client: Day Environmental, Inc.
Client Sample ID: PW-3
Lab ID: D0618-07
Project: Jamestown
Collection Date: 05/25/05 14:19

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL PETROLEUM HYDROCARBONS (TPH) BY GC-FID				**TPH_W**			
Extractable Total Petroleum Hydrocarbon	1.1		0.35	mg/L	1	06/06/2005 18:48	18319
Surr: para-Terphenyl	70.5		24.4-123	%REC	1	06/06/2005 18:48	18319

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *20-Jun-05*

Client: Day Environmental, Inc.
Client Sample ID: MW-7
Lab ID: D0618-08

Project: Jamestown
Collection Date: 05/25/05 14:29

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL PETROLEUM HYDROCARBONS (TPH) BY GC-FID				**TPH_W**			
Extractable Total Petroleum Hydrocarbon	ND		0.35	mg/L	1	06/06/2005 19:26	18319
Surr: para-Terphenyl	91.9		24.4-123	%REC	1	06/06/2005 19:26	18319

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *20-Jun-05*

CLIENT: Day Environmental, Inc.
Work Order: D0618
Project: Jamestown

ANALYTICAL QC SUMMARY REPORT

TestCode: TPH_W

Sample ID **MB-18319**	SampType: **MBLK**	TestCode: **TPH_W**			Prep Date: **05/31/2005**		Run ID: **F1_050606C**				
Client ID: **MB-18319**	Batch ID: **18319**	Units: **mg/L**			Analysis Date: **06/06/2005**		SeqNo: **357122**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	ND	0.35									
Surr: para-Terphenyl	0.04605	0.025	0.05	0	92.1	24.4	123	0	0		

Sample ID **LCS-18319**	SampType: **LCS**	TestCode: **TPH_W**			Prep Date: **05/31/2005**		Run ID: **F1_050606C**				
Client ID: **LCS-18319**	Batch ID: **18319**	Units: **mg/L**			Analysis Date: **06/06/2005**		SeqNo: **357123**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	4.213	0.35	5	0.1041	82.2	64.1	111	0	0		
Surr: para-Terphenyl	0.0422	0.025	0.05	0	84.4	24.4	123	0	0		

Sample ID **LCSD-18319**	SampType: **LCSD**	TestCode: **TPH_W**			Prep Date: **05/31/2005**		Run ID: **F1_050606C**				
Client ID: **LCSD-18319**	Batch ID: **18319**	Units: **mg/L**			Analysis Date: **06/06/2005**		SeqNo: **357124**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	3.226	0.35	5	0.1041	62.4	64.1	111	0	0		S
Surr: para-Terphenyl	0.03379	0.025	0.05	0	67.6	24.4	123	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6401

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6401

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

MW-01

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6401

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	18.17	10	NJ
2.	829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	18.21	9	NJ
3.	2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	18.38	8	NJ
4.	2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	18.45	6	NJ
5.	829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	18.60	11	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01AMS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6427

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	55	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	62	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01AMS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6427

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	58	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	64	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	64	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01AMSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6428

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	55	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	65	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01AMSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6428

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	60	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	65	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	65	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-03

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6404

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-03

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6404

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	1400	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

MW-03

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6404

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-03DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6430

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl Chloride	200	U
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	200	U
67-64-1	Acetone	200	U
75-15-0	Carbon Disulfide	200	U
79-20-9	Methyl Acetate	200	U
75-09-2	Methylene Chloride	200	U
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-Butyl Ether	200	U
75-34-3	1,1-Dichloroethane	200	U
156-59-2	cis-1,2-Dichloroethene	200	U
78-93-3	2-Butanone	200	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon Tetrachloride	200	U
71-43-2	Benzene	200	U
107-06-2	1,2-Dichloroethane	200	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-03DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6430

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	200	U
108-87-2	Methylcyclohexane	200	U
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-Pentanone	200	U
108-88-3	Toluene	200	U
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	1400	D
591-78-6	2-Hexanone	200	U
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	200	U
100-41-4	Ethylbenzene	200	U
1330-20-7	Xylene (Total)	200	U
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
98-82-8	Isopropylbenzene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
96-12-8	1,2-Dibromo-3-chloropropane	200	U
120-82-1	1,2,4-Trichlorobenzene	200	U

1F

EPA SAMPLE NO.

MW-03DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6430

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-04

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6405

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-04

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6405

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	1	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	1300	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

MW-04

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6405

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-04DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-03ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6431

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl Chloride	200	U
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	200	U
67-64-1	Acetone	200	U
75-15-0	Carbon Disulfide	200	U
79-20-9	Methyl Acetate	200	U
75-09-2	Methylene Chloride	200	U
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-Butyl Ether	200	U
75-34-3	1,1-Dichloroethane	200	U
156-59-2	cis-1,2-Dichloroethene	200	U
78-93-3	2-Butanone	200	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon Tetrachloride	200	U
71-43-2	Benzene	200	U
107-06-2	1,2-Dichloroethane	200	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-04DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-03ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6431

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	200	U
108-87-2	Methylcyclohexane	200	U
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-Pentanone	200	U
108-88-3	Toluene	200	U
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	1200	D
591-78-6	2-Hexanone	200	U
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	200	U
100-41-4	Ethylbenzene	200	U
1330-20-7	Xylene (Total)	200	U
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
98-82-8	Isopropylbenzene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
96-12-8	1,2-Dibromo-3-chloropropane	200	U
120-82-1	1,2,4-Trichlorobenzene	200	U

1F

EPA SAMPLE NO.

MW-04DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-03ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6431

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-05

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6406

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-05

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6406

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	2	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

MW-05

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6406

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
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29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-06

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6407

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-06

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6407

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	1	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	770	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-06

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6407

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
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28.					
29.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-06DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6429

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl Chloride	100	U
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	100	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	100	U
67-64-1	Acetone	100	U
75-15-0	Carbon Disulfide	100	U
79-20-9	Methyl Acetate	100	U
75-09-2	Methylene Chloride	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
1634-04-4	Methyl tert-Butyl Ether	100	U
75-34-3	1,1-Dichloroethane	100	U
156-59-2	cis-1,2-Dichloroethene	100	U
78-93-3	2-Butanone	100	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
110-82-7	Cyclohexane	100	U
56-23-5	Carbon Tetrachloride	100	U
71-43-2	Benzene	100	U
107-06-2	1,2-Dichloroethane	100	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-06DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6429

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	100	U
108-87-2	Methylcyclohexane	100	U
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-Pentanone	100	U
108-88-3	Toluene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	620	D
591-78-6	2-Hexanone	100	U
124-48-1	Dibromochloromethane	100	U
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
1330-20-7	Xylene (Total)	100	U
100-42-5	Styrene	100	U
75-25-2	Bromoform	100	U
98-82-8	Isopropylbenzene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-06DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6429

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6408

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	830	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	32	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	61	
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	4	J
156-59-2	cis-1,2-Dichloroethene	2700	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	2	J
71-55-6	1,1,1-Trichloroethane	13	
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6408

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	2200	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	2	J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	3200	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	1	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-07

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6408

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 26 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.41	8	J
2.		UNKNOWN	10.52	9	J
3.		UNKNOWN	11.08	7	J
4.		UNKNOWN	11.35	6	J
5.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	11.67	9	NJ
6.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.89	15	NJ
7.		UNKNOWN	12.06	6	J
8.	1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	12.09	9	NJ
9.	141-93-5	BENZENE, 1,3-DIETHYL-	12.63	17	NJ
10.		UNKNOWN	12.72	23	J
11.	135-01-3	BENZENE, 1,2-DIETHYL-	12.86	7	NJ
12.	1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	12.95	19	NJ
13.	1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	13.05	16	NJ
14.	527-84-4	BENZENE, 1-METHYL-2-(1-METHY	13.08	26	NJ
15.	535-77-3	BENZENE, 1-METHYL-3-(1-METHY	13.16	36	NJ
16.		UNKNOWN	13.28	11	J
17.		UNKNOWN	13.33	27	J
18.	2050-24-0	BENZENE, 1,3-DIETHYL-5-METHY	13.44	8	NJ
19.	527-84-4	BENZENE, 1-METHYL-2-(1-METHY	13.50	24	NJ
20.	527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	13.61	24	NJ
21.	95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	13.67	42	NJ
22.		UNKNOWN	13.77	12	J
23.	768-00-3	BENZENE, (1-METHYL-1-PROPENY	13.96	15	NJ
24.	824-90-8	1-PHENYL-1-BUTENE	14.13	60	NJ
25.	119-64-2	NAPHTHALENE, 1,2,3,4-TETRAHY	14.31	11	NJ
26.		UNKNOWN	14.56	8	J
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6432

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	500	U
74-87-3	Chloromethane	500	U
75-01-4	Vinyl Chloride	1000	D
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	500	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	500	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	500	U
79-20-9	Methyl Acetate	500	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
1634-04-4	Methyl tert-Butyl Ether	500	U
75-34-3	1,1-Dichloroethane	500	U
156-59-2	cis-1,2-Dichloroethene	7100	D
78-93-3	2-Butanone	500	U
67-66-3	Chloroform	500	U
71-55-6	1,1,1-Trichloroethane	500	U
110-82-7	Cyclohexane	500	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	500	U
107-06-2	1,2-Dichloroethane	500	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6432

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	6500	D
108-87-2	Methylcyclohexane	500	U
78-87-5	1,2-Dichloropropane	500	U
75-27-4	Bromodichloromethane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	12000	DE
591-78-6	2-Hexanone	500	U
124-48-1	Dibromochloromethane	500	U
106-93-4	1,2-Dibromoethane	500	U
108-90-7	Chlorobenzene	500	U
100-41-4	Ethylbenzene	500	U
1330-20-7	Xylene (Total)	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
98-82-8	Isopropylbenzene	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
95-50-1	1,2-Dichlorobenzene	500	U
96-12-8	1,2-Dibromo-3-chloropropane	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U

1F

EPA SAMPLE NO.

MW-07DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6432

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07DL1

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06ADL1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6826

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	1000	U
75-01-4	Vinyl Chloride	660	DJ
74-83-9	Bromomethane	1000	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	1000	U
75-35-4	1,1-Dichloroethene	1000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1000	U
67-64-1	Acetone	1000	U
75-15-0	Carbon Disulfide	1000	U
79-20-9	Methyl Acetate	1000	U
75-09-2	Methylene Chloride	1000	U
156-60-5	trans-1,2-Dichloroethene	1000	U
1634-04-4	Methyl tert-Butyl Ether	1000	U
75-34-3	1,1-Dichloroethane	1000	U
156-59-2	cis-1,2-Dichloroethene	6200	D
78-93-3	2-Butanone	1000	U
67-66-3	Chloroform	1000	U
71-55-6	1,1,1-Trichloroethane	1000	U
110-82-7	Cyclohexane	1000	U
56-23-5	Carbon Tetrachloride	1000	U
71-43-2	Benzene	1000	U
107-06-2	1,2-Dichloroethane	1000	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07DL1

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06ADL1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6826

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5900	D
108-87-2	Methylcyclohexane	1000	U
78-87-5	1,2-Dichloropropane	1000	U
75-27-4	Bromodichloromethane	1000	U
10061-01-5	cis-1,3-Dichloropropene	1000	U
108-10-1	4-Methyl-2-Pentanone	1000	U
108-88-3	Toluene	1000	U
10061-02-6	trans-1,3-Dichloropropene	1000	U
79-00-5	1,1,2-Trichloroethane	1000	U
127-18-4	Tetrachloroethene	9600	D
591-78-6	2-Hexanone	1000	U
124-48-1	Dibromochloromethane	1000	U
106-93-4	1,2-Dibromoethane	1000	U
108-90-7	Chlorobenzene	1000	U
100-41-4	Ethylbenzene	1000	U
1330-20-7	Xylene (Total)	1000	U
100-42-5	Styrene	1000	U
75-25-2	Bromoform	1000	U
98-82-8	Isopropylbenzene	1000	U
79-34-5	1,1,2,2-Tetrachloroethane	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
96-12-8	1,2-Dibromo-3-chloropropane	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U

1F

EPA SAMPLE NO.

MW-07DL1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06ADL1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6826

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6434

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	2	J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	8	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	95	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	51	
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6434

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	81	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	1	J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	3	J
127-18-4	Tetrachloroethene	5600	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	2	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

MW-7

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6434

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-08ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6484

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/07/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1000.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10000	U
74-87-3	Chloromethane	10000	U
75-01-4	Vinyl Chloride	10000	U
74-83-9	Bromomethane	10000	U
75-00-3	Chloroethane	10000	U
75-69-4	Trichlorofluoromethane	10000	U
75-35-4	1,1-Dichloroethene	10000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10000	U
67-64-1	Acetone	10000	U
75-15-0	Carbon Disulfide	10000	U
79-20-9	Methyl Acetate	10000	U
75-09-2	Methylene Chloride	10000	U
156-60-5	trans-1,2-Dichloroethene	10000	U
1634-04-4	Methyl tert-Butyl Ether	10000	U
75-34-3	1,1-Dichloroethane	10000	U
156-59-2	cis-1,2-Dichloroethene	10000	U
78-93-3	2-Butanone	10000	U
67-66-3	Chloroform	10000	U
71-55-6	1,1,1-Trichloroethane	10000	U
110-82-7	Cyclohexane	10000	U
56-23-5	Carbon Tetrachloride	10000	U
71-43-2	Benzene	10000	U
107-06-2	1,2-Dichloroethane	10000	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-08ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6484

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/07/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1000.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10000	U
108-87-2	Methylcyclohexane	10000	U
78-87-5	1,2-Dichloropropane	10000	U
75-27-4	Bromodichloromethane	10000	U
10061-01-5	cis-1,3-Dichloropropene	10000	U
108-10-1	4-Methyl-2-Pentanone	10000	U
108-88-3	Toluene	10000	U
10061-02-6	trans-1,3-Dichloropropene	10000	U
79-00-5	1,1,2-Trichloroethane	10000	U
127-18-4	Tetrachloroethene	73000	D
591-78-6	2-Hexanone	10000	U
124-48-1	Dibromochloromethane	10000	U
106-93-4	1,2-Dibromoethane	10000	U
108-90-7	Chlorobenzene	10000	U
100-41-4	Ethylbenzene	10000	U
1330-20-7	Xylene (Total)	10000	U
100-42-5	Styrene	10000	U
75-25-2	Bromoform	10000	U
98-82-8	Isopropylbenzene	10000	U
79-34-5	1,1,2,2-Tetrachloroethane	10000	U
541-73-1	1,3-Dichlorobenzene	10000	U
106-46-7	1,4-Dichlorobenzene	10000	U
95-50-1	1,2-Dichlorobenzene	10000	U
96-12-8	1,2-Dibromo-3-chloropropane	10000	U
120-82-1	1,2,4-Trichlorobenzene	10000	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-7DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-08ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6484

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/07/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1000.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PW-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6409

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	5400	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	86	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	36	
75-15-0	Carbon Disulfide	3	J
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	650	E
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	18	
156-59-2	cis-1,2-Dichloroethene	11000	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	14	
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PW-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6409

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	2700	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	170	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	7500	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	7	J
100-41-4	Ethylbenzene	6	J
1330-20-7	Xylene (Total)	6	J
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

PW-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6409

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	527-84-4	BENZENE, 1-METHYL-2-(1-METHY	12.28	62	NJ
2.	1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.74	7	NJ
3.	934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	13.17	7	NJ
4.	4695-62-9	BICYCLO[2.2.1]HEPTAN-2-ONE,	13.57	9	NJ
5.	527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	13.62	5	NJ
6.	488-23-3	BENZENE, 1,2,3,4-TETRAMETHYL	13.67	7	NJ
7.		UNKNOWN	14.13	6	J
8.		CYCLIC ALKANE	14.20	12	J
9.	464-48-2	BICYCLO[2.2.1]HEPTAN-2-ONE,	14.42	26	NJ
10.					
11.					
12.					
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15.					
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17.					
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30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PW-3DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6433

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 200.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	2000	U
74-87-3	Chloromethane	2000	U
75-01-4	Vinyl Chloride	12000	D
74-83-9	Bromomethane	2000	U
75-00-3	Chloroethane	2000	U
75-69-4	Trichlorofluoromethane	2000	U
75-35-4	1,1-Dichloroethene	2000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2000	U
67-64-1	Acetone	2000	U
75-15-0	Carbon Disulfide	2000	U
79-20-9	Methyl Acetate	2000	U
75-09-2	Methylene Chloride	2000	U
156-60-5	trans-1,2-Dichloroethene	290	DJ
1634-04-4	Methyl tert-Butyl Ether	2000	U
75-34-3	1,1-Dichloroethane	2000	U
156-59-2	cis-1,2-Dichloroethene	60000	DE
78-93-3	2-Butanone	2000	U
67-66-3	Chloroform	2000	U
71-55-6	1,1,1-Trichloroethane	2000	U
110-82-7	Cyclohexane	2000	U
56-23-5	Carbon Tetrachloride	2000	U
71-43-2	Benzene	2000	U
107-06-2	1,2-Dichloroethane	2000	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PW-3DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6433

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 200.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	8100	D
108-87-2	Methylcyclohexane	2000	U
78-87-5	1,2-Dichloropropane	2000	U
75-27-4	Bromodichloromethane	2000	U
10061-01-5	cis-1,3-Dichloropropene	2000	U
108-10-1	4-Methyl-2-Pentanone	2000	U
108-88-3	Toluene	2000	U
10061-02-6	trans-1,3-Dichloropropene	2000	U
79-00-5	1,1,2-Trichloroethane	2000	U
127-18-4	Tetrachloroethene	90000	DE
591-78-6	2-Hexanone	2000	U
124-48-1	Dibromochloromethane	2000	U
106-93-4	1,2-Dibromoethane	2000	U
108-90-7	Chlorobenzene	2000	U
100-41-4	Ethylbenzene	2000	U
1330-20-7	Xylene (Total)	2000	U
100-42-5	Styrene	2000	U
75-25-2	Bromoform	2000	U
98-82-8	Isopropylbenzene	2000	U
79-34-5	1,1,2,2-Tetrachloroethane	2000	U
541-73-1	1,3-Dichlorobenzene	2000	U
106-46-7	1,4-Dichlorobenzene	2000	U
95-50-1	1,2-Dichlorobenzene	2000	U
96-12-8	1,2-Dibromo-3-chloropropane	2000	U
120-82-1	1,2,4-Trichlorobenzene	2000	U

1F

EPA SAMPLE NO.

PW-3DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6433

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 200.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PW-3DL1

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07ADL1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6827

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 800.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	8000	U
74-87-3	Chloromethane	8000	U
75-01-4	Vinyl Chloride	9300	D
74-83-9	Bromomethane	8000	U
75-00-3	Chloroethane	8000	U
75-69-4	Trichlorofluoromethane	8000	U
75-35-4	1,1-Dichloroethene	8000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	8000	U
67-64-1	Acetone	8000	U
75-15-0	Carbon Disulfide	8000	U
79-20-9	Methyl Acetate	8000	U
75-09-2	Methylene Chloride	8000	U
156-60-5	trans-1,2-Dichloroethene	8000	U
1634-04-4	Methyl tert-Butyl Ether	8000	U
75-34-3	1,1-Dichloroethane	8000	U
156-59-2	cis-1,2-Dichloroethene	57000	D
78-93-3	2-Butanone	8000	U
67-66-3	Chloroform	8000	U
71-55-6	1,1,1-Trichloroethane	8000	U
110-82-7	Cyclohexane	8000	U
56-23-5	Carbon Tetrachloride	8000	U
71-43-2	Benzene	8000	U
107-06-2	1,2-Dichloroethane	8000	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PW-3DL1

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07ADL1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6827

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 800.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	7300	J
108-87-2	Methylcyclohexane	8000	U
78-87-5	1,2-Dichloropropane	8000	U
75-27-4	Bromodichloromethane	8000	U
10061-01-5	cis-1,3-Dichloropropene	8000	U
108-10-1	4-Methyl-2-Pentanone	8000	U
108-88-3	Toluene	8000	U
10061-02-6	trans-1,3-Dichloropropene	8000	U
79-00-5	1,1,2-Trichloroethane	8000	U
127-18-4	Tetrachloroethene	74000	D
591-78-6	2-Hexanone	8000	U
124-48-1	Dibromochloromethane	8000	U
106-93-4	1,2-Dibromoethane	8000	U
108-90-7	Chlorobenzene	8000	U
100-41-4	Ethylbenzene	8000	U
1330-20-7	Xylene (Total)	8000	U
100-42-5	Styrene	8000	U
75-25-2	Bromoform	8000	U
98-82-8	Isopropylbenzene	8000	U
79-34-5	1,1,2,2-Tetrachloroethane	8000	U
541-73-1	1,3-Dichlorobenzene	8000	U
106-46-7	1,4-Dichlorobenzene	8000	U
95-50-1	1,2-Dichlorobenzene	8000	U
96-12-8	1,2-Dibromo-3-chloropropane	8000	U
120-82-1	1,2,4-Trichlorobenzene	8000	U

1F

EPA SAMPLE NO.

PW-3DL1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07ADL1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6827

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 800.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RIN-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-09A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6461

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/06/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RIN-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-09A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6461

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/06/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RIN-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-09A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6461

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/06/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-10A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6377

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-10A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6377

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TRIP

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-10A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6377

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6TLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: LCS-18358

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6394

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	56	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	58	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6TLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: LCS-18358

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6394

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	55	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	61	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	60	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01B

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: S1E4634

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	11	U
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)Ether	11	U
95-57-8	2-Chlorophenol	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
98-86-2	Acetophenone	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
105-60-2	Caprolactam	11	U
59-50-7	4-Chloro-3-Methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	28	U
92-52-4	1,1'-Biphenyl	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	28	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
208-96-8	Acenaphthylene	11	U
99-09-2	3-Nitroaniline	28	U
83-32-9	Acenaphthene	11	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01B

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: S1E4634

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	28	U
100-02-7	4-Nitrophenol	28	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
100-01-6	4-Nitroaniline	28	U
534-52-1	4,6-Dinitro-2-methylphenol	28	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
1912-24-9	Atrazine	11	U
87-86-5	Pentachlorophenol	28	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenzo(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01B

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: S1E4634

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01BMS

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: S1E4635

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	12	U
108-95-2	Phenol	90	
111-44-4	bis(2-Chloroethyl)Ether	12	U
95-57-8	2-Chlorophenol	74	
95-48-7	2-Methylphenol	12	U
108-60-1	2,2'-oxybis(1-Chloropropane)	12	U
98-86-2	Acetophenone	12	U
106-44-5	4-Methylphenol	12	U
621-64-7	N-Nitroso-di-n-propylamine	52	
67-72-1	Hexachloroethane	12	U
98-95-3	Nitrobenzene	12	U
78-59-1	Isophorone	12	U
88-75-5	2-Nitrophenol	12	U
105-67-9	2,4-Dimethylphenol	12	U
111-91-1	bis(2-Chloroethoxy)methane	12	U
120-83-2	2,4-Dichlorophenol	12	U
91-20-3	Naphthalene	12	U
106-47-8	4-Chloroaniline	12	U
87-68-3	Hexachlorobutadiene	12	U
105-60-2	Caprolactam	12	U
59-50-7	4-Chloro-3-Methylphenol	110	E
91-57-6	2-Methylnaphthalene	12	U
77-47-4	Hexachlorocyclopentadiene	12	U
88-06-2	2,4,6-Trichlorophenol	12	U
95-95-4	2,4,5-Trichlorophenol	29	U
92-52-4	1,1'-Biphenyl	12	U
91-58-7	2-Chloronaphthalene	12	U
88-74-4	2-Nitroaniline	29	U
131-11-3	Dimethylphthalate	12	U
606-20-2	2,6-Dinitrotoluene	12	U
208-96-8	Acenaphthylene	12	U
99-09-2	3-Nitroaniline	29	U
83-32-9	Acenaphthene	62	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01BMS

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: S1E4635

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	29	U
100-02-7	4-Nitrophenol	110	E
132-64-9	Dibenzofuran	12	U
121-14-2	2,4-Dinitrotoluene	56	
84-66-2	Diethylphthalate	12	U
86-73-7	Fluorene	12	U
7005-72-3	4-Chlorophenyl-phenylether	12	U
100-01-6	4-Nitroaniline	29	U
534-52-1	4,6-Dinitro-2-methylphenol	29	U
86-30-6	N-Nitrosodiphenylamine (1)	12	U
101-55-3	4-Bromophenyl-phenylether	12	U
118-74-1	Hexachlorobenzene	12	U
1912-24-9	Atrazine	12	U
87-86-5	Pentachlorophenol	100	E
85-01-8	Phenanthrene	12	U
120-12-7	Anthracene	12	U
86-74-8	Carbazole	12	U
84-74-2	Di-n-butylphthalate	12	U
206-44-0	Fluoranthene	12	U
129-00-0	Pyrene	85	
85-68-7	Butylbenzylphthalate	12	U
91-94-1	3,3'-Dichlorobenzidine	12	U
56-55-3	Benzo(a)anthracene	12	U
218-01-9	Chrysene	12	U
117-81-7	bis(2-Ethylhexyl)phthalate	12	U
117-84-0	Di-n-octylphthalate	12	U
205-99-2	Benzo(b)fluoranthene	12	U
207-08-9	Benzo(k)fluoranthene	12	U
50-32-8	Benzo(a)pyrene	12	U
193-39-5	Indeno(1,2,3-cd)pyrene	12	U
53-70-3	Dibenzo(a,h)anthracene	12	U
191-24-2	Benzo(g,h,i)perylene	12	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01BMSD

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: S1E4636

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	12	U
108-95-2	Phenol	91	
111-44-4	bis(2-Chloroethyl)Ether	12	U
95-57-8	2-Chlorophenol	79	
95-48-7	2-Methylphenol	12	U
108-60-1	2,2'-oxybis(1-Chloropropane)	12	U
98-86-2	Acetophenone	12	U
106-44-5	4-Methylphenol	12	U
621-64-7	N-Nitroso-di-n-propylamine	53	
67-72-1	Hexachloroethane	12	U
98-95-3	Nitrobenzene	12	U
78-59-1	Isophorone	12	U
88-75-5	2-Nitrophenol	12	U
105-67-9	2,4-Dimethylphenol	12	U
111-91-1	bis(2-Chloroethoxy)methane	12	U
120-83-2	2,4-Dichlorophenol	12	U
91-20-3	Naphthalene	12	U
106-47-8	4-Chloroaniline	12	U
87-68-3	Hexachlorobutadiene	12	U
105-60-2	Caprolactam	12	U
59-50-7	4-Chloro-3-Methylphenol	120	E
91-57-6	2-Methylnaphthalene	12	U
77-47-4	Hexachlorocyclopentadiene	12	U
88-06-2	2,4,6-Trichlorophenol	12	U
95-95-4	2,4,5-Trichlorophenol	29	U
92-52-4	1,1'-Biphenyl	12	U
91-58-7	2-Chloronaphthalene	12	U
88-74-4	2-Nitroaniline	29	U
131-11-3	Dimethylphthalate	12	U
606-20-2	2,6-Dinitrotoluene	12	U
208-96-8	Acenaphthylene	12	U
99-09-2	3-Nitroaniline	29	U
83-32-9	Acenaphthene	62	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01BMSD

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: S1E4636

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	29	U
100-02-7	4-Nitrophenol	110	E
132-64-9	Dibenzofuran	12	U
121-14-2	2,4-Dinitrotoluene	62	
84-66-2	Diethylphthalate	12	U
86-73-7	Fluorene	12	U
7005-72-3	4-Chlorophenyl-phenylether	12	U
100-01-6	4-Nitroaniline	29	U
534-52-1	4,6-Dinitro-2-methylphenol	29	U
86-30-6	N-Nitrosodiphenylamine (1)	12	U
101-55-3	4-Bromophenyl-phenylether	12	U
118-74-1	Hexachlorobenzene	12	U
1912-24-9	Atrazine	12	U
87-86-5	Pentachlorophenol	120	E
85-01-8	Phenanthrene	12	U
120-12-7	Anthracene	12	U
86-74-8	Carbazole	12	U
84-74-2	Di-n-butylphthalate	12	U
206-44-0	Fluoranthene	12	U
129-00-0	Pyrene	83	
85-68-7	Butylbenzylphthalate	12	U
91-94-1	3,3'-Dichlorobenzidine	12	U
56-55-3	Benzo(a)anthracene	12	U
218-01-9	Chrysene	12	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	J
117-84-0	Di-n-octylphthalate	12	U
205-99-2	Benzo(b)fluoranthene	12	U
207-08-9	Benzo(k)fluoranthene	12	U
50-32-8	Benzo(a)pyrene	12	U
193-39-5	Indeno(1,2,3-cd)pyrene	12	U
53-70-3	Dibenzo(a,h)anthracene	12	U
191-24-2	Benzo(g,h,i)perylene	12	U

(1) - Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-06

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4637

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-06

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4637

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/06/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-06

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4637

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4638

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4638

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

MW-07

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4638

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	4.13	21	J
2.		UNKNOWN	4.38	22	J
3.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	4.45	7	NJ
4.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	4.66	19	NJ
5.		UNKNOWN	4.83	19	J
6.		UNKNOWN	5.00	79	J
7.		UNKNOWN	5.15	33	J
8.		UNKNOWN	5.20	38	J
9.	105-05-5	BENZENE, 1,4-DIETHYL-	5.29	32	NJ
10.		UNKNOWN	5.33	30	J
11.		UNKNOWN	5.41	77	J
12.		UNKNOWN	5.57	23	J
13.	874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	5.66	94	NJ
14.		UNKNOWN	5.80	51	J
15.		UNKNOWN	5.91	53	J
16.		UNKNOWN	5.99	11	J
17.	95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	6.08	78	NJ
18.	488-23-3	BENZENE, 1,2,3,4-TETRAMETHYL	6.12	52	NJ
19.		UNKNOWN	6.17	19	J
20.	2547-27-5	TRANS-4A-METHYL-DECAHYDRONAP	6.23	5	NJ
21.		UNKNOWN	6.28	9	J
22.	934-10-1	3-PHENYLBUT-1-ENE	6.33	28	NJ
23.		UNKNOWN	6.52	13	J
24.		UNKNOWN	6.67	6	J
25.		UNKNOWN	6.90	11	J
26.		UNKNOWN	8.70	4	J
27.		UNKNOWN	9.02	7	J
28.		UNKNOWN	9.44	4	J
29.	10544-50-0	CYCLIC OCTAATOMIC SULFUR	13.74	8	NJ
30.		UNKNOWN	14.80	7	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RIN-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4639

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RIN-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4639

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

RIN-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4639

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1138-52-9	PHENOL, 3,5-BIS(1,1-DIMETHYL	9.73	44	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1CLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: LCS-18321

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4633

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	73	
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	65	
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	47	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	110	E
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	55	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1CLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: LCS-18321

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4633

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	89	E
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	54	
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	77	
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	74	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6601F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/27/05

Extraction: (Type) SEPF Date Extracted: 05/31/05

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01BMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6605F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/27/05

Extraction: (Type) SEPF Date Extracted: 05/31/05

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.43	
76-44-8	Heptachlor	0.48	
309-00-2	Aldrin	0.48	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.93	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	1.0	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.91	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01BMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6606F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/27/05

Extraction: (Type) SEPF Date Extracted: 05/31/05

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.43	
76-44-8	Heptachlor	0.49	
309-00-2	Aldrin	0.49	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.93	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	1.0	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.93	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-06

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6602F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/27/05

Extraction: (Type) SEPF Date Extracted: 05/31/05

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6603F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/27/05

Extraction: (Type) SEPF Date Extracted: 05/31/05

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.065	J
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.27	
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RIN-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6604F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/27/05

Extraction: (Type) SEPF Date Extracted: 05/31/05

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

P4BLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: LCS-18317

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6600F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 05/31/05

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.41	
76-44-8	Heptachlor	0.47	
309-00-2	Aldrin	0.48	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.89	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.99	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.87	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-01

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Matrix (soil/water): WATER Lab Sample ID: D0618-01

Level (low/med): MED Date Received: 05/27/05

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	69100			P
7440-36-0	Antimony	4.9	B	N	P
7440-38-2	Arsenic	96.4			P
7440-39-3	Barium	3690		E	P
7440-41-7	Beryllium	4.1	B		P
7440-43-9	Cadmium	2.5	B		P
7440-70-2	Calcium	335000			P
7440-47-3	Chromium	95.7			P
7440-48-4	Cobalt	89.1		E	P
7440-50-8	Copper	196			P
7439-89-6	Iron	134000		E	P
7439-92-1	Lead	144		E	P
7439-95-4	Magnesium	87000		E	P
7439-96-5	Manganese	10300		E	P
7440-02-0	Nickel	151		E	P
7440-09-7	Potassium	11500			P
7782-49-2	Selenium	3.0	U	N	P
7440-22-4	Silver	0.70	U	N	P
7440-23-5	Sodium	130000			P
7440-28-0	Thallium	4.0	B		P
7440-62-2	Vanadium	82.5		E	P
7440-66-6	Zinc	413		E	P
7439-97-6	Mercury	0.13	U		CV
	Cyanide	2.0	U		CA

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-06

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Matrix (soil/water): WATER Lab Sample ID: D0618-05

Level (low/med): MED Date Received: 05/27/05

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	828			P
7440-36-0	Antimony	2.0	U	N	P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	381		E	P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	133000			P
7440-47-3	Chromium	1.0	B		P
7440-48-4	Cobalt	1.3	B	E	P
7440-50-8	Copper	1.7	B		P
7439-89-6	Iron	1170		E	P
7439-92-1	Lead	0.90	U	E	P
7439-95-4	Magnesium	29200		E	P
7439-96-5	Manganese	98.8		E	P
7440-02-0	Nickel	2.5	B	E	P
7440-09-7	Potassium	1830	B		P
7782-49-2	Selenium	3.0	U	N	P
7440-22-4	Silver	0.70	U	N	P
7440-23-5	Sodium	52000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	0.94	B	E	P
7440-66-6	Zinc	10.2	B	E	P
7439-97-6	Mercury	0.13	U		CV
	Cyanide	2.0	U		CA

Color Before: COLORLES Clarity Before: CLOUDY Texture:

Color After: COLORLES Clarity After: CLEAR Artifacts:

Comments:

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-07

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Matrix (soil/water): WATER Lab Sample ID: D0618-06

Level (low/med): MED Date Received: 05/27/05

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17700			P
7440-36-0	Antimony	4.1	B	N	P
7440-38-2	Arsenic	32.4			P
7440-39-3	Barium	942		E	P
7440-41-7	Beryllium	0.92	B		P
7440-43-9	Cadmium	0.63	B		P
7440-70-2	Calcium	191000			P
7440-47-3	Chromium	25.0			P
7440-48-4	Cobalt	17.0	B	E	P
7440-50-8	Copper	49.1			P
7439-89-6	Iron	40500		E	P
7439-92-1	Lead	50.9		E	P
7439-95-4	Magnesium	42000		E	P
7439-96-5	Manganese	3330		E	P
7440-02-0	Nickel	31.1	B	E	P
7440-09-7	Potassium	7510			P
7782-49-2	Selenium	3.0	U	N	P
7440-22-4	Silver	0.70	U	N	P
7440-23-5	Sodium	91700			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	31.7	B	E	P
7440-66-6	Zinc	154		E	P
7439-97-6	Mercury	0.13	U		CV
	Cyanide	2.0	U		CA

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

RTN-3

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Matrix (soil/water): WATER Lab Sample ID: D0618-09

Level (low/med): MED Date Received: 05/27/05

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	70.8	B		P
7440-36-0	Antimony	2.0	U	N	P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	2.9	B	E	P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	134	B		P
7440-47-3	Chromium	0.50	U		P
7440-48-4	Cobalt	0.87	B	E	P
7440-50-8	Copper	2.4	B		P
7439-89-6	Iron	36.5	B	E	P
7439-92-1	Lead	1.0	B	E	P
7439-95-4	Magnesium	44.4	B	E	P
7439-96-5	Manganese	2.5	B	E	P
7440-02-0	Nickel	1.2	B	E	P
7440-09-7	Potassium	55	U		P
7782-49-2	Selenium	3.0	U	N	P
7440-22-4	Silver	0.70	U	N	P
7440-23-5	Sodium	62.0	B		P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	0.40	U	E	P
7440-66-6	Zinc	9.1	B	E	P
7439-97-6	Mercury	0.13	U		CV
	Cyanide	2.0	U		CA

Color Before: COLORLES Clarity Before: CLEAR Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

7
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Solid LCS Source:

Aqueous LCS Source:

LCS-18366

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits	%R
Aluminum	9100.0	9147.82	100.5					
Antimony	455.0	489.75	107.6					
Arsenic	455.0	461.98	101.5					
Barium	9100.0	9732.48	107.0					
Beryllium	227.0	240.83	106.1					
Cadmium	227.0	231.14	101.8					
Calcium	22700.0	23359.40	102.9					
Chromium	910.0	930.45	102.2					
Cobalt	2270.0	2367.75	104.3					
Copper	1130.0	1191.50	105.4					
Iron	4550.0	4650.31	102.2					
Lead	455.0	470.87	103.5					
Magnesium	22700.0	23712.40	104.5					
Manganese	2270.0	2375.15	104.6					
Nickel	2270.0	2350.94	103.6					
Potassium	22700.0	22571.54	99.4					
Selenium	455.0	460.26	101.2					
Silver	1130.0	1077.19	95.3					
Sodium	22700.0	22907.98	100.9					
Thallium	455.0	468.22	102.9					
Vanadium	2270.0	2396.45	105.6					
Zinc	2270.0	2402.94	105.9					

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK6R	103	87	99		0
02	TRIP	102	94	95		0
03	VBLK6T	102	96	98		0
04	V6TLCS	95	91	99		0
05	MW-01	88	92	84		0
06	MW-03	100	99	87		0
07	MW-04	94	99	86		0
08	MW-05	91	90	82		0
09	MW-06	84*	92	83		1
10	MW-07	89	96	83		0
11	PW-3	91	98	88		0
12	VBLK6V	100	93	94		0
13	MW-01MS	102	99	98		0
14	MW-01MSD	105	105	101		0
15	MW-06DL	98	98	101		0
16	MW-03DL	91	90	93		0
17	MW-04DL	96	96	98		0
18	MW-07DL	97	99	99		0
19	PW-3DL	90	88	87		0
20	MW-7	87*	91	93		1
21	VBLK6X	102	100	101		0
22	RIN-3	101	103	102		0
23	VBLK6Y	90	90	93		0
24	MW-7DL	92	90	98		0
25	VBLK6Q	97	92	94		0
26	MW-07DL1	86*	85*	86		2
27	PW-3DL1	83*	81*	86		2
28	VHBLK6Q	95	90	101		0
29						
30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK1C	100	93	155*	107	104	129*	0*	0*	4
02	S1CLCS	114*	114	165*	105	97	142*	0*	0*	5
03	MW-01	100	108	132	101	94	157*	0*	0*	3
04	MW-01MS	94	106	147*	100	90	146*	0*	0*	4
05	MW-01MSD	94	119*	134	108	99	144*	0*	0*	4
06	MW-06	107	107	149*	119*	102	162*	0*	0*	5
07	MW-07	177*	119*	103	112*	97	155*	0*	0*	6
08	RIN-3	93	93	148*	101	87	133*	0*	0*	4
09										
10										
11										
12										
13										
14										
15										
16										
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18										
19										
20										
21										
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29										
30										

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK4B	86	87	69	73			0
02	P4BLCS	88	90	73	76			0
03	MW-01	88	90	38	40			0
04	MW-06	91	92	54	57			0
05	MW-07	88	86	44	46			0
06	RIN-3	93	96	58	58			0
07	MW-01MS	90	90	40	41			0
08	MW-01MSD	91	92	35	37			0
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

QC LIMITS

(TCX) = Tetrachloro-m-xylene (30-150)
(DCB) = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix Spike - EPA Sample No.: MW-01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	55	110	61-145
Trichloroethene	50	0.0	58	116	71-120
Benzene	50	0.0	62	124	76-127
Toluene	50	0.0	64	128*	76-125
Chlorobenzene	50	0.0	64	128	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	55	110	0	14	61-145
Trichloroethene	50	60	120	3	14	71-120
Benzene	50	65	130*	5	11	76-127
Toluene	50	65	130*	2	13	76-125
Chlorobenzene	50	65	130	2	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 3 out of 10 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix Spike - Sample No.: V6TLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		56	112	61-145
Trichloroethene	50		55	110	71-120
Benzene	50		58	116	76-127
Toluene	50		61	122	76-125
Chlorobenzene	50		60	120	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix Spike - EPA Sample No.: MW-01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Phenol	88	0.0	90	102	12-110
2-Chlorophenol	88	0.0	74	84	27-123
N-Nitroso-di-n-prop.(1)	59	0.0	52	88	41-116
4-Chloro-3-Methylphenol	88	0.0	110	125*	23- 97
Acenaphthene	59	0.0	62	105	46-118
4-Nitrophenol	88	0.0	110	125*	10- 80
2,4-Dinitrotoluene	59	0.0	56	95	24- 96
Pentachlorophenol	88	0.0	100	114*	9-103
Pyrene	59	0.0	85	144*	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	88	91	103	1	42	12-110
2-Chlorophenol	88	79	90	7	40	27-123
N-Nitroso-di-n-prop.(1)	59	53	90	2	38	41-116
4-Chloro-3-Methylphenol	88	120	136*	8	42	23- 97
Acenaphthene	59	62	105	0	31	46-118
4-Nitrophenol	88	110	125*	0	50	10- 80
2,4-Dinitrotoluene	59	62	105*	10	38	24- 96
Pentachlorophenol	88	120	136*	18	50	9-103
Pyrene	59	83	141*	2	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 9 out of 18 outside limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix Spike - Sample No.: S1CLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Phenol	75		73	97	12-110
2-Chlorophenol	75		65	87	27-123
N-Nitroso-di-n-prop.(1)	50		47	94	41-116
4-Chloro-3-Methylphenol	75		110	147*	23- 97
Acenaphthene	50		55	110	46-118
4-Nitrophenol	75		89	119*	10- 80
2,4-Dinitrotoluene	50		54	108*	24- 96
Pentachlorophenol	75		77	103	9-103
Pyrene	50		74	148*	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 4 out of 9 outside limits

COMMENTS: _____

FORM III SV

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix Spike - EPA Sample No.: MW-01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	0.50	0.00	0.43	86	56-123
Heptachlor	0.50	0.00	0.48	96	40-131
Aldrin	0.50	0.00	0.48	96	40-120
Dieldrin	1.0	0.00	0.93	93	52-126
Endrin	1.0	0.00	1.0	100	56-121
4,4'-DDT	1.0	0.00	0.91	91	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	0.50	0.43	86	0	15	56-123
Heptachlor	0.50	0.49	98	2	20	40-131
Aldrin	0.50	0.49	98	2	22	40-120
Dieldrin	1.0	0.93	93	0	18	52-126
Endrin	1.0	1.0	100	0	21	56-121
4,4'-DDT	1.0	0.93	93	2	27	38-127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

FORM 3
WATER PESTICIDE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix Spike - Sample No.: P4BLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	0.50		0.41	82	56-123
Heptachlor	0.50		0.47	94	40-131
Aldrin	0.50		0.48	96	40-120
Dieldrin	1.0		0.89	89	52-126
Endrin	1.0		0.99	99	56-121
4,4'-DDT	1.0		0.87	87	38-127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
MW-01

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		72065.1194		69122.3610		2000.00	147.1		P
Antimony	75-125	77.2747		4.9304	B	100.00	72.3	N	P
Arsenic	75-125	140.0750		96.4398		40.00	109.1		P
Barium	75-125	5854.6637		3692.2255		2000.00	108.1		P
Beryllium	75-125	56.1763		4.1023	B	50.00	104.1		P
Cadmium	75-125	7.4189		2.4743	B	5.00	98.9		P
Chromium	75-125	296.3930		95.6942		200.00	100.3		P
Cobalt	75-125	589.4708		89.1342		500.00	100.1		P
Copper	75-125	455.8657		195.8378		250.00	104.0		P
Iron		138522.0534		133886.1308		1000.00	463.6		P
Lead		163.7570		143.5977		20.00	100.8		P
Manganese		10836.8465		10312.6660		500.00	104.8		P
Nickel	75-125	652.0490		151.4299		500.00	100.1		P
Selenium	75-125	3.0000	U	3.0000	U	10.00	0.0	N	P
Silver	75-125	14.1877		0.7000	U	50.00	28.4	N	P
Thallium	75-125	51.7860		4.0282	B	50.00	95.5		P
Vanadium	75-125	600.5258		82.5240		500.00	103.6		P
Zinc	75-125	919.8124		412.8199		500.00	101.4		P
Mercury	75-125	1.0331		0.1320	U	1.00	103.3		CV

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
MW-01

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cyanide	75-125	94.2470		2.0000	U	100.00	94.2		CA

Comments:

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
MW-01

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Matrix (soil/water): WATER Level (low/med): MED

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		94.07		4.93	B	120.0	74.3		P
Selenium		11.02		3.00	U	10.0	110.2		P

Comments:

6
DUPLICATES

EPA SAMPLE NO
MW-01

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		69122.3610		68112.2937		1.5		P
Antimony		4.9304	B	3.8181	B	25.4		P
Arsenic		96.4398		94.6458		1.9		P
Barium		3692.2255		3656.3874		1.0		P
Beryllium		4.1023	B	3.9926	B	2.7		P
Cadmium		2.4743	B	2.0265	B	19.9		P
Calcium		335148.5588		326018.9385		2.8		P
Chromium		95.6942		92.5349		3.4		P
Cobalt	50.0	89.1342		87.8658		1.4		P
Copper		195.8378		176.6452		10.3		P
Iron		133886.1308		133208.9638		0.5		P
Lead		143.5977		141.0842		1.8		P
Magnesium		86992.8213		85410.8642		1.8		P
Manganese		10312.6660		10087.5445		2.2		P
Nickel	40.0	151.4299		149.7736		1.1		P
Potassium	5000.0	11457.9729		11266.8039		1.7		P
Selenium		3.0000	U	3.0000	U			P
Silver		0.7000	U	0.7000	U			P
Sodium		130024.7030		125276.9634		3.7		P
Thallium		4.0282	B	3.1422	B	24.7		P
Vanadium	50.0	82.5240		81.2259		1.6		P
Zinc		412.8199		402.2913		2.6		P
Mercury		0.1320	U	0.1320	U			CV
Cyanide		2.0000	U	2.0000	U			CA

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6373 Lab Sample ID: MB-18341

Date Analyzed: 06/01/05 Time Analyzed: 1418

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TRIP	D0618-10A	V6D6377	1730
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COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18341

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6373

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18341

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6373

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VBLK6R

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18341

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6373

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6392 Lab Sample ID: MB-18358

Date Analyzed: 06/02/05 Time Analyzed: 1035

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V6TLCS	LCS-18358	V6D6394	1146
02	MW-01	D0618-01A	V6D6401	1549
03	MW-03	D0618-02A	V6D6404	1711
04	MW-04	D0618-03A	V6D6405	1738
05	MW-05	D0618-04A	V6D6406	1805
06	MW-06	D0618-05A	V6D6407	1832
07	MW-07	D0618-06A	V6D6408	1900
08	PW-3	D0618-07A	V6D6409	1927
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COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18358

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6392

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18358

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6392

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18358

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6392

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6V

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6422 Lab Sample ID: MB-18379

Date Analyzed: 06/03/05 Time Analyzed: 1228

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MW-01MS	D0618-01AMS	V6D6427	1623
02	MW-01MSD	D0618-01AMSD	V6D6428	1650
03	MW-06DL	D0618-05ADL	V6D6429	1718
04	MW-03DL	D0618-02ADL	V6D6430	1745
05	MW-04DL	D0618-03ADL	V6D6431	1813
06	MW-07DL	D0618-06ADL	V6D6432	1841
07	PW-3DL	D0618-07ADL	V6D6433	1908
08	MW-7	D0618-08A	V6D6434	1936
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COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6V

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18379

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6422

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6V

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18379

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6422

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VBLK6V

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18379

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6422

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6456 Lab Sample ID: MB-18399

Date Analyzed: 06/06/05 Time Analyzed: 1418

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	RIN-3	D0618-09A	V6D6461	1744
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
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COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18399

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6456

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/06/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18399

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6456

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/06/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VBLK6X

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18399

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6456

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/06/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6Y

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6482 Lab Sample ID: MB-18423

Date Analyzed: 06/07/05 Time Analyzed: 1049

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MW-7DL	D0618-08ADL	V6D6484	1207
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
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COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6Y

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18423

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6482

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/07/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6Y

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18423

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6482

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/07/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK6Y

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18423

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6482

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/07/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6822 Lab Sample ID: MB-18686

Date Analyzed: 06/23/05 Time Analyzed: 1004

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MW-07DL1	D0618-06ADL1	V6D6826	1344
02	PW-3DL1	D0618-07ADL1	V6D6827	1412
03	VHBLK6Q	VHBLK6Q	V6D6834	1727
04				
05				
06				
07				
08				
09				
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14				
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COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18686

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6822

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18686

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6822

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK6Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18686

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6822

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK6Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6Q

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6834

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK6Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6Q

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6834

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK6Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6Q

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6834

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK1C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: S1E4632 Lab Sample ID: MB-18321

Instrument ID: S1 Date Extracted: 05/31/05

Matrix: (soil/water) WATER Date Analyzed: 06/06/05

Level: (low/med) LOW Time Analyzed: 1534

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S1CLCS	LCS-18321	S1E4633	06/06/05
02	MW-01	D0618-01B	S1E4634	06/06/05
03	MW-01MS	D0618-01BMS	S1E4635	06/06/05
04	MW-01MSD	D0618-01BMSD	S1E4636	06/06/05
05	MW-06	D0618-05B	S1E4637	06/06/05
06	MW-07	D0618-06B	S1E4638	06/06/05
07	RIN-3	D0618-09B	S1E4639	06/06/05
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COMMENTS: _____

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18321

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4632

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18321

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4632

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLK1C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18321

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4632

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK4B

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab Sample ID: MB-18317 Lab File ID: E4C6599F

Matrix (soil/water) WATER Extraction:(Type) SEPF

Sulfur Cleanup (Y/N) Y Date Extracted: 05/31/05

Date Analyzed (1): 06/02/05 Date Analyzed (2): 06/02/05

Time Analyzed (1): 1214 Time Analyzed (2): 1214

Instrument ID (1): E4 Instrument ID (2): E4

GC Column (1): CLPPEST ID: 0.53 (mm) GC Column (2): CLPPESTII ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	P4BLCS	LCS-18317	06/02/05	06/02/05
02	MW-01	D0618-01B	06/02/05	06/02/05
03	MW-06	D0618-05B	06/02/05	06/02/05
04	MW-07	D0618-06B	06/02/05	06/02/05
05	RIN-3	D0618-09B	06/02/05	06/02/05
06	MW-01MS	D0618-01BMS	06/02/05	06/02/05
07	MW-01MSD	D0618-01BMSD	06/02/05	06/02/05
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COMMENTS: _____

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK4B

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18317

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6599F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 05/31/05

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKD2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: PIBLKD2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6585F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKD2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: PIBLKD2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6585R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKDA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: PIBLKDA

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6594F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKDA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: PIBLKDA

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6594R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKDB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: PIBLKDB

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6607F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKDB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: PIBLKDB

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6607R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Me		

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Mercury	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Cyanide	2.0	U	2.0	U	2.4	B	2.9	B	2.000	U	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Cyanide			2.0	U							CA

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	18.0	U	32.6	B	18.5	B	109.0	B	31.619	B	
Antimony	3.8	B	5.4	B	4.8	B	4.1	B	2.035	B	
Arsenic	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	
Barium	3.8	B	3.1	B	1.7	B	2.5	B	2.655	B	
Beryllium	0.2	U	0.2	U	0.2	U	0.2	U	0.200	U	
Cadmium	0.2	U	0.2	U	0.2	U	0.3	B	0.200	U	
Calcium	50.0	U	52.1	B	50.0	U	169.9	B	123.041	B	
Chromium	0.5	U	0.5	U	0.5	U	0.5	U	0.500	U	
Cobalt	1.5	B	1.5	B	0.6	B	1.1	B	1.102	B	
Copper	4.2	B	5.0	B	2.5	B	4.4	B	7.762	B	
Iron	4.0	B	22.7	B	19.0	B	73.9	B	70.930	B	
Lead	0.9	U	0.9	U	0.9	U	1.3	B	0.900	U	
Magnesium	20.4	B	175.6	B	36.6	B	250.8	B	98.997	B	
Manganese	1.2	B	0.9	B	1.6	B	1.1	B	2.549	B	
Nickel	1.5	B	1.8	B	0.9	B	1.6	B	1.750	B	
Selenium	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	
Silver	8.3	B	1.5	B	0.7	U	0.8	B	3.735	B	
Thallium	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	
Vanadium	1.1	B	0.5	B	0.4	U	0.5	B	0.400	U	
Zinc	8.9	B	9.3	B	7.3	B	8.8	B	15.240	B	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			24.9	B	21.0	B	56.6	B			P
Antimony			5.0	B	4.2	B	6.0	B			P
Arsenic			2.0	U	2.0	U	2.0	U			P
Barium			4.1	B	2.1	B	3.7	B			P
Beryllium			0.2	U	0.2	U	0.2	U			P
Cadmium			0.2	U	0.2	U	0.2	U			P
Calcium			60.3	B	50.0	U	84.5	B			P
Chromium			0.5	U	0.5	U	0.5	U			P
Cobalt			1.2	B	0.7	B	1.2	B			P
Copper			6.6	B	3.8	B	4.6	B			P
Iron			18.1	B	5.5	B	28.6	B			P
Lead			1.6	B	0.9	U	0.9	U			P
Magnesium			62.2	B	29.6	B	143.3	B			P
Manganese			1.8	B	0.5	B	0.7	B			P
Nickel			1.5	B	1.0	B	2.0	B			P
Selenium			3.0	U	3.0	U	3.0	U			P
Silver			0.9	B	0.7	U	0.7	U			P
Thallium			2.0	U	2.0	U	2.0	U			P
Vanadium			1.2	B	0.4	U	0.4	U			P
Zinc			13.7	B	10.7	B	12.0	B			P

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Sodium	32.0	U	35.1	B	61.0	B	32.0	U	32.000	U	

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Potassium	55.0	U	55.0	U	72.2	B	55.0	U	55.000	U	

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

EPA Sample No. (VSTD050##): VSTD0506R Date Analyzed: 06/01/05

Lab File ID (Standard): V6D6371 Time Analyzed: 1305

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	348403	4.70	1683392	5.79	1592843	9.30
	UPPER LIMIT	696806	5.20	3366784	6.29	3185686	9.80
	LOWER LIMIT	174202	4.20	841696	5.29	796422	8.80
	EPA SAMPLE						
01	VBLK6R	315175	4.70	1394463	5.79	1340733	9.30
02	TRIP	302310	4.70	1337729	5.79	1253709	9.30
03							
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

EPA Sample No. (VSTD050##): VSTD0506T Date Analyzed: 06/02/05

Lab File ID (Standard): V6D6391 Time Analyzed: 0937

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	362447	4.69	1685950	5.80	1624290	9.31
	UPPER LIMIT	724894	5.19	3371900	6.30	3248580	9.81
	LOWER LIMIT	181224	4.19	842975	5.30	812145	8.81
	EPA SAMPLE						
01	VBLK6T	299792	4.70	1323413	5.79	1270109	9.30
02	V6TLCS	321435	4.70	1536523	5.79	1450342	9.31
03	MW-01	372783	4.71	1786762	5.80	1691301	9.31
04	MW-03	383068	4.70	1854118	5.80	1761284	9.31
05	MW-04	402623	4.70	1945425	5.80	1863196	9.31
06	MW-05	391080	4.70	1872677	5.80	1737262	9.30
07	MW-06	360040	4.71	1542314	5.80	1608285	9.31
08	MW-07	375891	4.70	1738461	5.80	1755298	9.31
09	PW-3	365712	4.70	1836665	5.80	1757972	9.31
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20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

EPA Sample No. (VSTD050##): VSTD0506V Date Analyzed: 06/03/05

Lab File ID (Standard): V6D6421 Time Analyzed: 1151

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	407601	4.70	1978231	5.79	1893817	9.30
	UPPER LIMIT	815202	5.20	3956462	6.29	3787634	9.80
	LOWER LIMIT	203801	4.20	989116	5.29	946909	8.80
	EPA SAMPLE						
01	VBLK6V	395153	4.70	1855428	5.79	1692318	9.31
02	MW-01MS	377591	4.70	1758294	5.79	1627128	9.30
03	MW-01MSD	373522	4.70	1661450	5.80	1619083	9.31
04	MW-06DL	397696	4.71	1892397	5.80	1807380	9.30
05	MW-03DL	405562	4.71	1865381	5.80	1843799	9.31
06	MW-04DL	393737	4.71	1792066	5.80	1713777	9.31
07	MW-07DL	409844	4.71	1901301	5.80	1839459	9.31
08	PW-3DL	438570	4.70	1977925	5.80	1893653	9.31
09	MW-7	396809	4.70	1856694	5.80	1881669	9.31
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

EPA Sample No. (VSTD050##): VSTD0506X Date Analyzed: 06/06/05

Lab File ID (Standard): V6D6451 Time Analyzed: 0940

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#
	12 HOUR STD	396775		4.70		1946418		5.79		1808101		9.30	
	UPPER LIMIT	793550		5.20		3892836		6.29		3616202		9.80	
	LOWER LIMIT	198388		4.20		973209		5.29		904051		8.80	
	EPA SAMPLE												
01	VBLK6X	385079		4.70		1708512		5.80		1636551		9.31	
02	RIN-3	367640		4.70		1609500		5.80		1554268		9.31	
03													
04													
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22													

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

EPA Sample No. (VSTD050##): VSTD0506Y Date Analyzed: 06/07/05

Lab File ID (Standard): V6D6481 Time Analyzed: 0957

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	404445	4.70	1915235	5.79	1812708	9.30
	UPPER LIMIT	808890	5.20	3830470	6.29	3625416	9.80
	LOWER LIMIT	202223	4.20	957618	5.29	906354	8.80
	EPA SAMPLE						
01	VBLK6Y	407293	4.70	1825414	5.80	1727582	9.31
02	MW-7DL	387685	4.70	1732930	5.80	1725656	9.31
03							
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

EPA Sample No. (VSTD050##): VSTD0506Q Date Analyzed: 06/23/05

Lab File ID (Standard): V6D6821 Time Analyzed: 0925

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	413876	4.70	1993213	5.80	1836028	9.31
	UPPER LIMIT	827752	5.20	3986426	6.30	3672056	9.81
	LOWER LIMIT	206938	4.20	996607	5.30	918014	8.81
	EPA SAMPLE						
01	VBLK6Q	388547	4.70	1755232	5.79	1607853	9.30
02	MW-07DL1	425096	4.71	1942196	5.80	1794608	9.31
03	PW-3DL1	424318	4.70	1925715	5.80	1851386	9.31
04	VHBLK6Q	396684	4.70	1877373	5.80	1746713	9.31
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

EPA Sample No. (SSTD050##): SSTD0501F Date Analyzed: 06/06/05

Lab File ID (Standard): S1E4631A Time Analyzed: 1503

Instrument ID: S1 GC Column: DB-5MS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	127578	4.88	498744	6.78	254985	9.52
	UPPER LIMIT	255156	5.38	997488	7.28	509970	10.02
	LOWER LIMIT	63789	4.38	249372	6.28	127493	9.02
	EPA SAMPLE NO.						
01	SBLK1C	109736	4.88	408000	6.77	259279	9.52
02	S1CLCS	117602	4.88	381594	6.78	240565	9.52
03	MW-01	121368	4.87	414594	6.77	234845	9.51
04	MW-01MS	123569	4.88	446042	6.78	252740	9.52
05	MW-01MSD	115760	4.88	442423	6.78	234680	9.52
06	MW-06	108253	4.87	449072	6.78	253676	9.52
07	MW-07	119122	4.88	364770	6.78	209592	9.52
08	RIN-3	124391	4.88	502041	6.78	279057	9.52
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

EPA Sample No. (SSTD050##): SSTD0501F Date Analyzed: 06/06/05

Lab File ID (Standard): S1E4631A Time Analyzed: 1503

Instrument ID: S1 GC Column: DB-5MS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	463735	11.87	658771	16.08	479495	18.17
	UPPER LIMIT	927470	12.37	1317542	16.58	958990	18.67
	LOWER LIMIT	231868	11.37	329386	15.58	239748	17.67
	EPA SAMPLE NO.						
01	SBLK1C	464748	11.86	469039	16.06	456732	18.17
02	S1CLCS	450695	11.87	458051	16.06	429299	18.16
03	MW-01	430319	11.86	446025	16.06	420022	18.17
04	MW-01MS	475156	11.87	456223	16.07	434672	18.16
05	MW-01MSD	468606	11.87	441610	16.06	453894	18.17
06	MW-06	415042	11.85	443581	16.07	371910	18.17
07	MW-07	426370	11.87	383397	16.07	413235	18.17
08	RIN-3	520682	11.86	500998	16.07	496406	18.17
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Identification and Analytical Requirements Summary

Project Name: **5 HUNTS TOAD, JAMESTOWN** SDG: **D0618**

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOA GC/MS Method #	SVOA GC/MS Method #	Pest/PCB Method #	Metals	Other
MW-01	D0618-01	ASP	ASP	ASP	ASP	SEE DATA
MW-03	D0618-02	ASP				
MW-04	D0618-03	ASP				
MW-05	D0618-04	ASP				
MW-06	D0618-05	ASP	ASP	ASP	ASP	SEE DATA
MW-07	D0618-06	ASP	ASP	ASP	ASP	SEE DATA
PW-3	D0618-07	ASP				SEE DATA
MW-7	D0618-08	ASP				SEE DATA
RIN-3	D0618-09	ASP	ASP	ASP	ASP	SEE DATA
TRIP	D0618-10	ASP				

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **5 HUNTS TOAD, JAMESTOWN** SDG: **D0618**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0618-01A	AQ	5/25/05	5/27/05	NA	6/2/05
D0618-01AMS	AQ	5/25/05	5/27/05		6/3/05
D0618-01AMSD	AQ	5/25/05	5/27/05		6/3/05
D0618-02A	AQ	5/25/05	5/27/05		6/2/05; 6/3/05
D0618-03A	AQ	5/25/05	5/27/05		6/2/05; 6/3/05
D0618-04A	AQ	5/25/05	5/27/05		6/2/05
D0618-05A	AQ	5/25/05	5/27/05		6/2/05; 6/3/05
D0618-06A	AQ	5/25/05	5/27/05		6/2/05; 6/3/05; 6/23/05
D0618-07A	AQ	5/25/05	5/27/05		6/2/05; 6/3/05; 6/23/05
D0618-08A	AQ	5/25/05	5/27/05		6/3/05
D0618-09A	AQ	5/25/05	5/27/05		6/6/05
D0618-10A	AQ	5/25/05	5/27/05	NA	6/1/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Semivolatile (SVOA) Analyses

Project Name: **5 HUNTS TOAD, JAMESTOWN** SDG: **D0618**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0618-01B	AQ	5/25/05	5/27/05	5/31/05	6/6/05
D0618-01BMS	AQ	5/25/05	5/27/05	↓	↓
D0618-01BMSD	AQ	5/25/05	5/27/05		
D0618-05B	AQ	5/25/05	5/27/05		
D0618-06B	AQ	5/25/05	5/27/05		
D0618-09B	AQ	5/25/05	5/27/05	5/31/05	6/6/05

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Pesticides/PCB Analyses

Project Name: **5 HUNTS TOAD, JAMESTOWN** SDG: **D0618**

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
D0618-01B	AQ	5/25/05	5/27/05	5/31/05	6/2/05
D0618-01BMS	AQ	5/25/05	5/27/05	↓	↓
D0618-01BMSD	AQ	5/25/05	5/27/05		
D0618-05B	AQ	5/25/05	5/27/05		
D0618-06B	AQ	5/25/05	5/27/05		
D0618-09B	AQ	5/25/05	5/27/05	5/31/05	6/2/05

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Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **5 HUNTS TOAD, JAMESTOWN** SDG: **D0618**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
D0618-01A	AQ	ASP	NA	Low	1
D0618-01AMS	AQ	ASP			1
D0618-01AMSD	AQ	ASP			1
D0618-02A	AQ	ASP			1; 20
D0618-03A	AQ	ASP			1; 20
D0618-04A	AQ	ASP			1
D0618-05A	AQ	ASP			1; 10
D0618-06A	AQ	ASP			1; 50; 100
D0618-07A	AQ	ASP			1; 200; 800
D0618-08A	AQ	ASP			1; 1000
D0618-09A	AQ	ASP			1
D0618-10A	AQ	ASP	NA	Low	1

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Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Semivolatile (SVOA) Analyses

Project Name: **5 HUNTS TOAD, JAMESTOWN** SDG: **D0618**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D0618-01B	AQ	ASP	3510C	NA	1
D0618-01BMS	AQ	ASP	↓	↓	↓
D0618-01BMSD	AQ	ASP	↓	↓	↓
D0618-05B	AQ	ASP	↓	↓	↓
D0618-06B	AQ	ASP	↓	↓	↓
D0618-09B	AQ	ASP	3520C	NA	1

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Pesticides/PCB Analyses

Project Name: **5 HUNTS TOAD, JAMESTOWN** SDG: **D0618**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D0618-01B	AQ	ASP	3510C	Florisil / Sulfur	1
D0618-01BMS	AQ	ASP	↓	↓	↓
D0618-01BMSD	AQ	ASP	↓	↓	↓
D0618-05B	AQ	ASP	↓	↓	↓
D0618-06B	AQ	ASP	↓	↓	↓
D0618-09B	AQ	ASP	3510C	Florisil / Sulfur	1

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Inorganic Analyses

Project Name: **5 HUNTS TOAD, JAMESTOWN** SDG: **D0618**

Laboratory Sample ID	Matrix	Metals Requested	Date Received by Lab	Date Analyzed
D0618-01C	AQ	ASP	5/27/05	6/3/05 - 6/7/05
D0618-01CMS	AQ	ASP	5/27/05	
D0618-01CMSD	AQ	ASP	5/27/05	
D0618-05C	AQ	ASP	5/27/05	
D0618-06C	AQ	ASP	5/27/05	
D0618-09C	AQ	ASP	5/27/05	6/3/05 - 6/7/05

NYASP 10/95

Analytical Data Package for Day Environmental, Inc.

Client Project No.: 5 Hunt Road, Jamestown, NY

Mitkem Work Order ID: D0618

June 27, 2005

Prepared For:

Day Environmental, Inc.
40 Commercial Street
Rochester, NY 14614
Attn: Mr. Jeff Danzinger

Prepared By:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Day Environmental Inc.'s 5 Hunt Road, Jamestown, NY project. Under this deliverable, analysis results are presented for ten aqueous samples that were received on May 27, 2005. Analyses were performed per specifications in the project's contract and the chain of custody forms. Please note that the temperature of the sample-shipping coolers were noted to be 8 degrees C, above the normal range of 2-6 degrees C. This was communicated to the client, who approved proceeding with the analyses. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID with laboratory sample ID.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable with the exception of total petroleum hydrocarbons. The analysis results for total petroleum hydrocarbons are presented in the standard Mitkem format with supporting raw data.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatiles Analysis:

Trap used for instrument V6: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

The aqueous samples were acid preserved; pH <2.

Alkanes were determined as part of TIC. The alkanes are reported in the Alkane Narrative Report following the SDG Narrative.

Surrogate recovery: recoveries were within the QC limits with the exception of marginally low recovery of toluene-d8 in sample MW-06 and MW-7. The samples were re-analyzed with at dilution with surrogate recoveries within the QC limits. Toluene-d8 and bromofluorobenzene were recovered low in the second diluted analyses for samples MW-07 and PW-3. Surrogate recoveries were within the QC limits in the initial and first diluted analysis.

Lab control sample: spike recoveries were within the QC limits.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample MW-01. Spike recoveries were within the QC limits with the exception of high recovery of toluene in the matrix spike and high recovery of benzene and toluene in the matrix spike duplicate. Replicate RPDs were within the QC limits.

Sample analysis: due to high concentration of target analytes, the following samples were re-analyzed at dilution: MW-03 (20x), MW-04 (20x), MW-06 (10x), MW-07 (50x), MW-7 (1000x) and PW-3 (200x). Due to the concentration of tetrachloroethene and/or cis-1,2-dichloroethene exceeding the instrument calibration range, the following samples were further re-analyzed at dilution: MW-07 (100x) and PW-3 (800x). The suffix "DL1" is appended to the sample IDs, indicating the second analysis at dilution. The diluted analysis for sample MW-7 and the second diluted analysis for samples MW-07 and PW-3 were performed outside of hold time. The initial analysis and initial dilution were performed within hold time. No other unusual observation was made for the analysis.

3. Semivolatile Analysis:

GC column: 30 m x 0.25 mm id (0.5 um film thickness) DB-5MS capillary column

Surrogate recovery: recoveries were within the QC limits with the exception of high recovery of high recovery of several surrogates in all the samples including the method blank and lab control sample. Due to analyst oversight, sample 55FB0526 and the associated QC samples were mis-spiked. The samples were spiked with a surrogate spike solution that did not contain the two advisory surrogates, 2-chlorophenol-d4 and 1,2-dichlorobenzene-d4. The samples were not re-extracted due to insufficient sample volume.

Lab control sample: spike recoveries were within the QC limits with the exception of high recovery of 4-chloro-3-methylphenol, 4-nitrophenol, 2, 4-dinitrotoluene and pyrene.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample MW-01. Spike recoveries were within the QC limits with the exception of high recovery of 4-chloro-3-methylphenol, 4-nitrophenol, pentachlorophenol and pyrene in the matrix spike and 4-chloro-3-methylphenol, 4-nitrophenol, 2, 4-dinitrotoluene, pentachlorophenol and pyrene in the matrix spike duplicate. Replicate RPDs were within the QC limits.

Sample analysis: no other unusual observation was made for the analysis.

4. Pesticides/PCB Analysis:

GC column used: 30 m x 0.53 mm id (0.5 um film thickness) CLPPest and 30 m x 0.53 mm id (0.42 um film thickness) CLPPestII megabore columns

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample MW-01. Spike recoveries and replicate RPDs were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

5. Total Petroleum Hydrocarbon Analysis:

Surrogate recovery: recovery was within the QC limits.

Lab control sample/lab control sample duplicate: spike recovery and replicate RPD were within the QC limits.

Sample analysis: sample MW-07 contains resolved and unresolved peaks in the retention time range for a low boiling point product such as kerosene or jet fuel. Sample PW-3 contains

TPH consisting of a primarily a single large peak. This indicates a single chemical component, rather than a petroleum product, which is a complex mixture of a large number of chemical components. Sample MW-7 does not contain sufficient hydrocarbons to identify a petroleum product. No other unusual observation was made for the analysis.

6. Metals Analysis:

Mercury was analyzed using a Perkin Elmer Model 100 FIMS cold vapor atomic absorption analyzer. The other elements were analyzed using either a Perkin Elmer Model 3100XL Optima or a Perkin Elmer Model 4300DV ICAP.

Lab control sample: spike recovery was within the QC limits.

Matrix spike: matrix spike was performed on sample MW-01. Spike recoveries were within the QC limits with the exception of antimony, selenium and silver. These elements are flagged with an "N" on the data report forms. A post digest spike was performed and reported for antimony and selenium. Per the method, a post digest spike is not required for silver. The spike recovery for aluminum, iron, manganese and lead could not be accurately determined, as the sample concentration was significantly greater than the spike concentration. When the sample concentration is more than four times the spike concentration, it tends to obscure the relatively smaller spike amount; control limits do not apply in this circumstance.

Matrix duplicate: matrix duplicate was performed on sample MW-01. Replicate RPDs were within the QC limits.

Sample analysis: serial dilution was performed on sample MW-01 with replicate RPDs within the QC limits with the exception of barium, cobalt, iron, lead, magnesium, manganese, nickel, vanadium and zinc. These elements are qualified with an "E" on the data report forms. This is could be due to matrix interference from the high concentration of salts in the sample. No other unusual observation was made for the analysis.

7. Cyanide Analysis:

The cyanide samples were prepared using minidistill apparatus by Kontes. The resultant distillates were analyzed using a Lachat QuikChem 8000 autoanalyzer.

Lab control sample: spike recovery was within the QC limits.

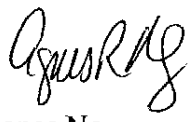
Matrix spike: matrix spike was performed on sample MW-01. Spike recovery was within the QC limits.

Matrix duplicate: matrix duplicate was performed on sample MW-01. Replicate RPD was within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.



Agnes Ng
CLP Project Manager
06/27/05

ALKANE NARRATIVE REPORT
Report date : 06/24/2005
SDG: MD0618

Client Sample ID: PW-3 Lab Sample ID: D0618-07A File ID: V6D6409

Compound	RT	Est. Conc.	Q
Cyclic Alkane	14.20	12	J

Mitkem Corporation

01/Jun/05 11:59

WorkOrder: D0618

Client ID: DAY
Project: Jamestown
Location: 5 HUNTS ROAD, JAMESTOWN
Comments: N/A

Case:
SDG:
PO: 3563S-04

Report Level: ASP-B
EDD:
HC Due: 06/17/05
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage
D0618-01A	MW-01	05/25/05 09:50	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☑	☐	VOA
D0618-01B	MW-01	05/25/05 09:50	05/27/05	Aqueous	OLM4.2_PP_W	NYS CLP - ADD LCS	☐	☑	☐	J1
					OLM4.2_SVOA_W	NYS CLP - ADD LCS	☐	☑	☐	J1
D0618-01C	MW-01	05/25/05 09:50	05/27/05	Aqueous	ILM4.1_HG_W	ILM	☐	☑	☐	M3
					ILM4.1_ICP_W	ILM	☐	☑	☑	M3
D0618-01D	MW-01	05/25/05 09:50	05/27/05	Aqueous	ILM4.1_CN_W		☐	☑	☐	J1
D0618-02A	MW-03	05/25/05 13:12	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0618-03A	MW-04	05/25/05 12:59	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0618-04A	MW-05	05/25/05 12:50	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0618-05A	MW-06	05/25/05 13:08	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0618-05B	MW-06	05/25/05 13:08	05/27/05	Aqueous	OLM4.2_PP_W	NYS CLP - ADD LCS	☐	☐	☐	J1

Client Rep: Agnes R Ng

8000

Client ID: DAY
Project: Jamestown
Location: 5 HUNTS ROAD, JAMESTOWN
Comments: N/A

Case:
SDG:
PO: 3563S-04

Report Level: ASP-B
EDD:
HC Due: 06/17/05
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage
D0618-05B	MW-06	05/25/05 13:08	05/27/05	Aqueous	OLM4.2_SVOA_W	NYS CLP - ADD LCS	☐	☐	☐	J1
D0618-05C	MW-06	05/25/05 13:08	05/27/05	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M3
					ILM4.1_ICP_W	ILM	☐	☐	☑	M3
D0618-05D	MW-06	05/25/05 13:08	05/27/05	Aqueous	ILM4.1_CN_W		☐	☐	☐	J1
D0618-06A	MW-07	05/25/05 14:07	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0618-06B	MW-07	05/25/05 14:07	05/27/05	Aqueous	OLM4.2_PP_W	NYS CLP - ADD LCS	☐	☐	☐	J1
					OLM4.2_SVOA_W	NYS CLP - ADD LCS	☐	☐	☐	J1
					TPH_W	plus fingerprint, method 310.	☐	☐	☐	J1
D0618-06C	MW-07	05/25/05 14:07	05/27/05	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M3
					ILM4.1_ICP_W	ILM	☐	☐	☑	M3
D0618-06D	MW-07	05/25/05 14:07	05/27/05	Aqueous	ILM4.1_CN_W		☐	☐	☐	J1
D0618-07A	PW-3	05/25/05 14:19	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA

Client Rep: Agnes R Ng

6000

Client ID: DAY
Project: Jamestown
Location: 5 HUNTS ROAD, JAMESTOWN
Comments: N/A

Case:
SDG:
PO: 3563S-04

Report Level: ASP-B
EDD:
HC Due: 06/17/05
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Iold	MS	SEL	Storage
D0618-07B	PW-3	05/25/05 14:19	05/27/05	Aqueous	TPH_W	plus fingerprint, method 310.	☐	☐	☐	J1
D0618-08A	MW-7	05/25/05 14:29	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0618-08B	MW-7	05/25/05 14:29	05/27/05	Aqueous	TPH_W	plus fingerprint, method 310.	☐	☐	☐	J1
D0618-09A	RIN-3	05/25/05 13:41	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA
D0618-09B	RIN-3	05/25/05 13:41	05/27/05	Aqueous	OLM4.2_PP_W	NYS CLP - ADD LCS	☐	☐	☐	J1
					OLM4.2_SVOA_W	NYS CLP - ADD LCS	☐	☐	☐	J1
D0618-09C	RIN-3	05/25/05 13:41	05/27/05	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M3
					ILM4.1_ICP_W	ILM	☐	☐	☑	M3
D0618-09D	RIN-3	05/25/05 13:41	05/27/05	Aqueous	ILM4.1_CN_W		☐	☐	☐	J1
D0618-10A	TRIP	05/25/05 00:00	05/27/05	Aqueous	OLM4.2_VOA_W	NYS CLP - ADD LCS	☐	☐	☐	VOA

Client Rep: Agnes R Ng

0010

Sample Transmittal Documentation

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO			INVOICE TO		
COMPANY: DAY ENVIRONMENTAL INC	PHONE: 585 454 0210		COMPANY: SAME	PHONE:	LAB PROJECT #:
NAME: DAN NOLL	FAX: 585 454 0825		NAME:	FAX:	
ADDRESS: 40 COMMERCIAL ST.			ADDRESS:		TURNAROUND TIME: STANDARD
CITY/ST/ZIP: Rochester NY 14614			CITY/ST/ZIP:		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
5 Hunt Rd., Jamestown NY	35635-04	35635-04

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	Full TCL/TAL 2000 ASP OLM04.2 + ILM04.1	TCL VOC ASP OLM04.2	TPH 310.13	COMMENTS
MW-01	5-25-05 / 0950		X	X			01	18	X			Please run MS/MSD
MW-03	5-25-05 / 1312		X	X			02	2		X		
MW-04	5-25-05 / 1259		X	X			03	2		X		
MW-05	5-25-05 / 1250		X	X			04	2		X		
MW-06	5-25-05 / 1308		X	X			05	6	X			
MW-07	5-25-05 / 1407		X	X			06	7	X		X	
PW-3	5-25-05 / 1419		X	X			07	3		X	X	
MW-7	5-25-05 / 1429		X	X			08	3		X	X	
Rin-3 (5-25-05)	5-25-05 / 1341		X	X			09	6	X			
TRIP	/						10			X		
	/											
	/											

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	Chad C Dunk	5-26-05 / 1320	FEDEX	5-26-05 / 1320	Category B data deliverables	8°C / 8°C
		/	Lynn RKg	5/27/05 / 830		
		/		/		

0012

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION
Sample Condition Form

Received By: ARN | Reviewed By: | Date: 5/27/05 | MITKEM Project #: D0618

Client Project: James town | Client: Day

Cooler Sealed (Yes) / No

1) Custody Seal(s) Present / Absent
Coolers / Bottles
Intact / Broken

2) Custody Seal Number(s)

3) Chain-of-Custody (Present) / Absent

4) Cooler Temperature 8°C | 8°C
Coolant Condition Ice - not enough

5) Airbill(s) Present / Absent
Airbill Number(s) FedEx
8507 64 708029

6) Sample Bottles (Intact)/Broken/Leakin

7) Date Received 5/27/05

8) Time Received 830

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
D0618	01	<2			>12	H	
	02						
	03						
	04						
	05	<2			>12		
	06	<2			>12		
	07						
	08						
	09	<2			>12		
D0618	10					H	

VOA Matrix Key:
US = Unpreserved Soil **A** = Air
UA = Unpreserved Aqueo **H** = HCl
M/N= MeOH & $NaHSO_4$ **E** = Encore
N = $NaHSO_4$ **M** =MeOH

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes/ no

Form ID: SampleCond.Form-11/04

Sample Condition Notification

Mitkem Project#: D0618 **Date of Receipt:** 5/27/05
Client: Day **Received By:** ARN
Client project #/name: James-town

Unusual Occurance Description:

Both coolers were received at 8°C.

Client Contacted:

Contacted via: (Phone)/Fax/E-mail
Date: 5-27-05 **Time:**
Contacted By: BEO
Name of person contacted: Jeff Dmuchowski

Client Response:

Responded via: (Phone)/Fax/E-mail
Date: 5-27-05
Name of person responding: Jeff Dmuchowski
Responding to: BEO

Note in Accutest - Run sample

Mitkem Action Taken:

MITKEM CORPORATION

* Volatiles *

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK6R	103	87	99		0
02	TRIP	102	94	95		0
03	VBLK6T	102	96	98		0
04	V6TLCS	95	91	99		0
05	MW-01	88	92	84		0
06	MW-03	100	99	87		0
07	MW-04	94	99	86		0
08	MW-05	91	90	82		0
09	MW-06	84*	92	83		1
10	MW-07	89	96	83		0
11	PW-3	91	98	88		0
12	VBLK6V	100	93	94		0
13	MW-01MS	102	99	98		0
14	MW-01MSD	105	105	101		0
15	MW-06DL	98	98	101		0
16	MW-03DL	91	90	93		0
17	MW-04DL	96	96	98		0
18	MW-07DL	97	99	99		0
19	PW-3DL	90	88	87		0
20	MW-7	87*	91	93		1
21	VBLK6X	102	100	101		0
22	RIN-3	101	103	102		0
23	VBLK6Y	90	90	93		0
24	MW-7DL	92	90	98		0
25	VBLK6Q	97	92	94		0
26	MW-07DL1	86*	85*	86		2
27	PW-3DL1	83*	81*	86		2
28	VHBLK6Q	95	90	101		0
29						
30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix Spike - EPA Sample No.: MW-01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	55	110	61-145
Trichloroethene	50	0.0	58	116	71-120
Benzene	50	0.0	62	124	76-127
Toluene	50	0.0	64	128*	76-125
Chlorobenzene	50	0.0	64	128	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	55	110	0	14	61-145
Trichloroethene	50	60	120	3	14	71-120
Benzene	50	65	130*	5	11	76-127
Toluene	50	65	130*	2	13	76-125
Chlorobenzene	50	65	130	2	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 3 out of 10 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix Spike - Sample No.: V6TLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		56	112	61-145
Trichloroethene	50		55	110	71-120
Benzene	50		58	116	76-127
Toluene	50		61	122	76-125
Chlorobenzene	50		60	120	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6373 Lab Sample ID: MB-18341

Date Analyzed: 06/01/05 Time Analyzed: 1418

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TRIP	D0618-10A	V6D6377	1730
02				
03				
04				
05				
06				
07				
08				
09				
10				
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COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6392 Lab Sample ID: MB-18358

Date Analyzed: 06/02/05 Time Analyzed: 1035

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V6TLCS	LCS-18358	V6D6394	1146
02	MW-01	D0618-01A	V6D6401	1549
03	MW-03	D0618-02A	V6D6404	1711
04	MW-04	D0618-03A	V6D6405	1738
05	MW-05	D0618-04A	V6D6406	1805
06	MW-06	D0618-05A	V6D6407	1832
07	MW-07	D0618-06A	V6D6408	1900
08	PW-3	D0618-07A	V6D6409	1927
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COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6V

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6422 Lab Sample ID: MB-18379

Date Analyzed: 06/03/05 Time Analyzed: 1228

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MW-01MS	D0618-01AMS	V6D6427	1623
02	MW-01MSD	D0618-01AMSD	V6D6428	1650
03	MW-06DL	D0618-05ADL	V6D6429	1718
04	MW-03DL	D0618-02ADL	V6D6430	1745
05	MW-04DL	D0618-03ADL	V6D6431	1813
06	MW-07DL	D0618-06ADL	V6D6432	1841
07	PW-3DL	D0618-07ADL	V6D6433	1908
08	MW-7	D0618-08A	V6D6434	1936
09				
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COMMENTS: _____

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK6X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6456 Lab Sample ID: MB-18399

Date Analyzed: 06/06/05 Time Analyzed: 1418

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	RIN-3	D0618-09A	V6D6461	1744
02				
03				
04				
05				
06				
07				
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09				
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COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6Y

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6482 Lab Sample ID: MB-18423

Date Analyzed: 06/07/05 Time Analyzed: 1049

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MW-7DL	D0618-08ADL	V6D6484	1207
02				
03				
04				
05				
06				
07				
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COMMENTS: _____

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK6Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6822 Lab Sample ID: MB-18686

Date Analyzed: 06/23/05 Time Analyzed: 1004

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V6

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MW-07DL1	D0618-06ADL1	V6D6826	1344
02	PW-3DL1	D0618-07ADL1	V6D6827	1412
03	VHBLK6Q	VHBLK6Q	V6D6834	1727
04				
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COMMENTS: _____

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6360 BFB Injection Date: 06/01/05

Instrument ID: V6 BFB Injection Time: 0942

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.2
75	30.0 - 66.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.8 (0.9)1
174	50.0 - 120.0% of mass 95	86.0
175	4.0 - 9.0% of mass 174	6.1 (7.0)1
176	93.0 - 101.0% of mass 174	81.5 (94.7)1
177	5.0 - 9.0% of mass 176	5.6 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506Q	VSTD0506Q	V6D6361	06/01/05	1012
02	VSTD0106Q	VSTD0106Q	V6D6362	06/01/05	1039
03	VSTD2006Q	VSTD2006Q	V6D6363	06/01/05	1107
04	VSTD1006Q	VSTD1006Q	V6D6364	06/01/05	1134
05	VSTD0206Q	VSTD0206Q	V6D6365	06/01/05	1202
06					
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22					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6370 BFB Injection Date: 06/01/05

Instrument ID: V6 BFB Injection Time: 1239

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.9
75	30.0 - 66.0% of mass 95	49.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.2 (0.2)1
174	50.0 - 120.0% of mass 95	88.0
175	4.0 - 9.0% of mass 174	5.9 (6.7)1
176	93.0 - 101.0% of mass 174	83.5 (94.9)1
177	5.0 - 9.0% of mass 176	5.5 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506R	VSTD0506R	V6D6371	06/01/05	1305
02	VBLK6R	MB-18341	V6D6373	06/01/05	1418
03	TRIP	D0618-10A	V6D6377	06/01/05	1730
04					
05					
06					
07					
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6390 BFB Injection Date: 06/02/05

Instrument ID: V6 BFB Injection Time: 0912

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.4
75	30.0 - 66.0% of mass 95	52.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.5 (0.6)1
174	50.0 - 120.0% of mass 95	88.7
175	4.0 - 9.0% of mass 174	6.7 (7.6)1
176	93.0 - 101.0% of mass 174	84.9 (95.8)1
177	5.0 - 9.0% of mass 176	5.8 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506T	VSTD0506T	V6D6391	06/02/05	0937
02	VBLK6T	MB-18358	V6D6392	06/02/05	1035
03	V6TLCS	LCS-18358	V6D6394	06/02/05	1146
04	MW-01	D0618-01A	V6D6401	06/02/05	1549
05	MW-03	D0618-02A	V6D6404	06/02/05	1711
06	MW-04	D0618-03A	V6D6405	06/02/05	1738
07	MW-05	D0618-04A	V6D6406	06/02/05	1805
08	MW-06	D0618-05A	V6D6407	06/02/05	1832
09	MW-07	D0618-06A	V6D6408	06/02/05	1900
10	PW-3	D0618-07A	V6D6409	06/02/05	1927
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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6420 BFB Injection Date: 06/03/05

Instrument ID: V6 BFB Injection Time: 0925

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.0
75	30.0 - 66.0% of mass 95	48.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.7 (0.7)1
174	50.0 - 120.0% of mass 95	91.8
175	4.0 - 9.0% of mass 174	6.3 (6.9)1
176	93.0 - 101.0% of mass 174	87.7 (95.4)1
177	5.0 - 9.0% of mass 176	5.9 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506V	VSTD0506V	V6D6421	06/03/05	1151
02	VBLK6V	MB-18379	V6D6422	06/03/05	1228
03	MW-01MS	D0618-01AMS	V6D6427	06/03/05	1623
04	MW-01MSD	D0618-01AMSD	V6D6428	06/03/05	1650
05	MW-06DL	D0618-05ADL	V6D6429	06/03/05	1718
06	MW-03DL	D0618-02ADL	V6D6430	06/03/05	1745
07	MW-04DL	D0618-03ADL	V6D6431	06/03/05	1813
08	MW-07DL	D0618-06ADL	V6D6432	06/03/05	1841
09	PW-3DL	D0618-07ADL	V6D6433	06/03/05	1908
10	MW-7	D0618-08A	V6D6434	06/03/05	1936
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6450 BFB Injection Date: 06/06/05

Instrument ID: V6 BFB Injection Time: 0905

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.3
75	30.0 - 66.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.8 (1.0)1
174	50.0 - 120.0% of mass 95	82.8
175	4.0 - 9.0% of mass 174	5.7 (6.8)1
176	93.0 - 101.0% of mass 174	81.9 (98.9)1
177	5.0 - 9.0% of mass 176	5.3 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506X	VSTD0506X	V6D6451	06/06/05	0940
02	VSTD0106X	VSTD0106X	V6D6452	06/06/05	1022
03	VSTD2006X	VSTD2006X	V6D6453	06/06/05	1106
04	VSTD1006X	VSTD1006X	V6D6454	06/06/05	1133
05	VSTD0206X	VSTD0206X	V6D6455	06/06/05	1201
06	VBLK6X	MB-18399	V6D6456	06/06/05	1418
07	RIN-3	D0618-09A	V6D6461	06/06/05	1744
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6480 BFB Injection Date: 06/07/05

Instrument ID: V6 BFB Injection Time: 0934

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.7
75	30.0 - 66.0% of mass 95	47.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.8 (0.9)1
174	50.0 - 120.0% of mass 95	84.5
175	4.0 - 9.0% of mass 174	6.0 (7.1)1
176	93.0 - 101.0% of mass 174	81.5 (96.5)1
177	5.0 - 9.0% of mass 176	5.4 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506Y	VSTD0506Y	V6D6481	06/07/05	0957
02	VBLK6Y	MB-18423	V6D6482	06/07/05	1049
03	MW-7DL	D0618-08ADL	V6D6484	06/07/05	1207
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: V6D6820 BFB Injection Date: 06/23/05

Instrument ID: V6 BFB Injection Time: 0850

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.2
75	30.0 - 66.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.1 (1.3)1
174	50.0 - 120.0% of mass 95	84.8
175	4.0 - 9.0% of mass 174	4.6 (5.4)1
176	93.0 - 101.0% of mass 174	82.7 (97.5)1
177	5.0 - 9.0% of mass 176	5.4 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506Q	VSTD0506Q	V6D6821	06/23/05	0925
02	VBLK6Q	MB-18686	V6D6822	06/23/05	1004
03	MW-07DL1	D0618-06ADL1	V6D6826	06/23/05	1344
04	PW-3DL1	D0618-07ADL1	V6D6827	06/23/05	1412
05	VHBLK6Q	VHBLK6Q	V6D6834	06/23/05	1727
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8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

EPA Sample No. (VSTD050##): VSTD0506R Date Analyzed: 06/01/05

Lab File ID (Standard): V6D6371 Time Analyzed: 1305

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	348403	4.70	1683392	5.79	1592843	9.30
	UPPER LIMIT	696806	5.20	3366784	6.29	3185686	9.80
	LOWER LIMIT	174202	4.20	841696	5.29	796422	8.80
	EPA SAMPLE						
01	VBLK6R	315175	4.70	1394463	5.79	1340733	9.30
02	TRIP	302310	4.70	1337729	5.79	1253709	9.30
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

EPA Sample No. (VSTD050##): VSTD0506T Date Analyzed: 06/02/05

Lab File ID (Standard): V6D6391 Time Analyzed: 0937

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#
	12 HOUR STD	362447		4.69		1685950		5.80		1624290		9.31	
	UPPER LIMIT	724894		5.19		3371900		6.30		3248580		9.81	
	LOWER LIMIT	181224		4.19		842975		5.30		812145		8.81	
	EPA SAMPLE												
01	VBLK6T	299792		4.70		1323413		5.79		1270109		9.30	
02	V6TLCS	321435		4.70		1536523		5.79		1450342		9.31	
03	MW-01	372783		4.71		1786762		5.80		1691301		9.31	
04	MW-03	383068		4.70		1854118		5.80		1761284		9.31	
05	MW-04	402623		4.70		1945425		5.80		1863196		9.31	
06	MW-05	391080		4.70		1872677		5.80		1737262		9.30	
07	MW-06	360040		4.71		1542314		5.80		1608285		9.31	
08	MW-07	375891		4.70		1738461		5.80		1755298		9.31	
09	PW-3	365712		4.70		1836665		5.80		1757972		9.31	
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

EPA Sample No. (VSTD050##): VSTD0506V Date Analyzed: 06/03/05

Lab File ID (Standard): V6D6421 Time Analyzed: 1151

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#
	12 HOUR STD	407601		4.70		1978231		5.79		1893817		9.30	
	UPPER LIMIT	815202		5.20		3956462		6.29		3787634		9.80	
	LOWER LIMIT	203801		4.20		989116		5.29		946909		8.80	
	EPA SAMPLE												
01	VBLK6V	395153		4.70		1855428		5.79		1692318		9.31	
02	MW-01MS	377591		4.70		1758294		5.79		1627128		9.30	
03	MW-01MSD	373522		4.70		1661450		5.80		1619083		9.31	
04	MW-06DL	397696		4.71		1892397		5.80		1807380		9.30	
05	MW-03DL	405562		4.71		1865381		5.80		1843799		9.31	
06	MW-04DL	393737		4.71		1792066		5.80		1713777		9.31	
07	MW-07DL	409844		4.71		1901301		5.80		1839459		9.31	
08	PW-3DL	438570		4.70		1977925		5.80		1893653		9.31	
09	MW-7	396809		4.70		1856694		5.80		1881669		9.31	
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

EPA Sample No. (VSTD050##): VSTD0506X Date Analyzed: 06/06/05

Lab File ID (Standard): V6D6451 Time Analyzed: 0940

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	396775	4.70	1946418	5.79	1808101	9.30
	UPPER LIMIT	793550	5.20	3892836	6.29	3616202	9.80
	LOWER LIMIT	198388	4.20	973209	5.29	904051	8.80
	EPA SAMPLE						
01	VBLK6X	385079	4.70	1708512	5.80	1636551	9.31
02	RIN-3	367640	4.70	1609500	5.80	1554268	9.31
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

EPA Sample No. (VSTD050##): VSTD0506Y Date Analyzed: 06/07/05

Lab File ID (Standard): V6D6481 Time Analyzed: 0957

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#
	12 HOUR STD	404445		4.70		1915235		5.79		1812708		9.30	
	UPPER LIMIT	808890		5.20		3830470		6.29		3625416		9.80	
	LOWER LIMIT	202223		4.20		957618		5.29		906354		8.80	
	EPA SAMPLE												
01	VBLK6Y	407293		4.70		1825414		5.80		1727582		9.31	
02	MW-7DL	387685		4.70		1732930		5.80		1725656		9.31	
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

EPA Sample No. (VSTD050##): VSTD0506Q Date Analyzed: 06/23/05

Lab File ID (Standard): V6D6821 Time Analyzed: 0925

Instrument ID: V6 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	413876	4.70	1993213	5.80	1836028	9.31
	UPPER LIMIT	827752	5.20	3986426	6.30	3672056	9.81
	LOWER LIMIT	206938	4.20	996607	5.30	918014	8.81
	EPA SAMPLE						
01	VBLK6Q	388547	4.70	1755232	5.79	1607853	9.30
02	MW-07DL1	425096	4.71	1942196	5.80	1794608	9.31
03	PW-3DL1	424318	4.70	1925715	5.80	1851386	9.31
04	VHBLK6Q	396684	4.70	1877373	5.80	1746713	9.31
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6401

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6401

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

MW-01

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6401

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

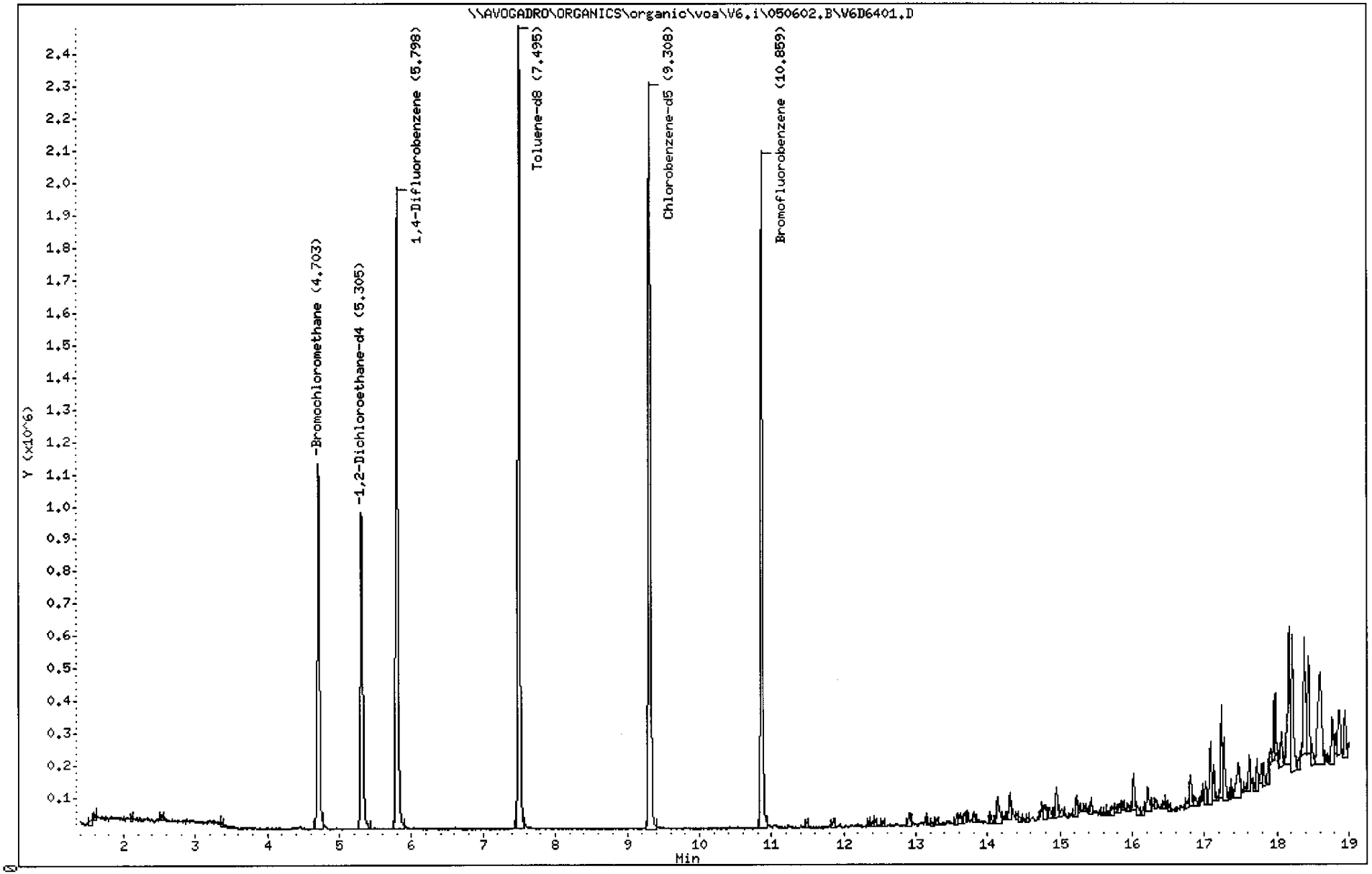
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	18.17	10	NJ
2.	829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	18.21	9	NJ
3.	2131-42-2	NAPHTHALENE, 1,4,6-TRIMETHYL	18.38	8	NJ
4.	2245-38-7	NAPHTHALENE, 1,6,7-TRIMETHYL	18.45	6	NJ
5.	829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	18.60	11	NJ
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6401.D
Date : 02-JUN-2005 15:49
Client ID: MW-01
Instrument: V6.i
Sample Info: ,D0618-01A,MW-01,18358
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0041

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6401.D
Report Date: 22-Jun-2005 16:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6401.D
Lab Smp Id: D0618-01A Client Smp ID: MW-01
Inj Date : 02-JUN-2005 15:49
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-01A,MW-01,18358
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	4.709	4.695	(1.000)	372783	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.311	5.303	(1.128)	869074	42.0367	42
* 26 1,4-Difluorobenzene	114	5.798	5.796	(1.000)	1786762	50.0000	
$ 33 Toluene-d8	98	7.495	7.493	(0.805)	1920822	43.8395	44
* 42 Chlorobenzene-d5	117	9.308	9.306	(1.000)	1691301	50.0000	
$ 50 Bromofluorobenzene	95	10.865	10.857	(1.167)	829577	46.1501	46

KC
6/22/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6401.D
Report Date: 22-Jun-2005 16:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6401.D
Lab Smp Id: D0618-01A Client Smp ID: MW-01
Inj Date : 02-JUN-2005 15:49
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-01A,MW-01,18358
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

ISTD	RT	AREA	AMOUNT
* 42 Chlorobenzene-d5	9.308	4827510	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Naphthalene, 1,6,7-trimethyl-				CAS #: 2245-38-7			
18.165	972318	10.0705954	10	93	NIST98.L	36214	42
Naphthalene, 2,3,6-trimethyl-				CAS #: 829-26-5			
18.214	851798	8.82233284	9	94	NIST98.L	36216	42
Naphthalene, 1,4,6-trimethyl-				CAS #: 2131-42-2			
18.378	730607	7.56712052	8	96	NIST98.L	36219	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6401.D
Report Date: 22-Jun-2005 16:48

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
Naphthalene, 1,6,7-trimethyl-				CAS #: 2245-38-7			
18.445	626405	6.48786849	6	96	NIST98.L	36214	42
Naphthalene, 2,3,6-trimethyl-				CAS #: 829-26-5			
18.597	1083827	11.2255283	11	91	NIST98.L	36217	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6401.D

Date : 02-JUN-2005 15:49

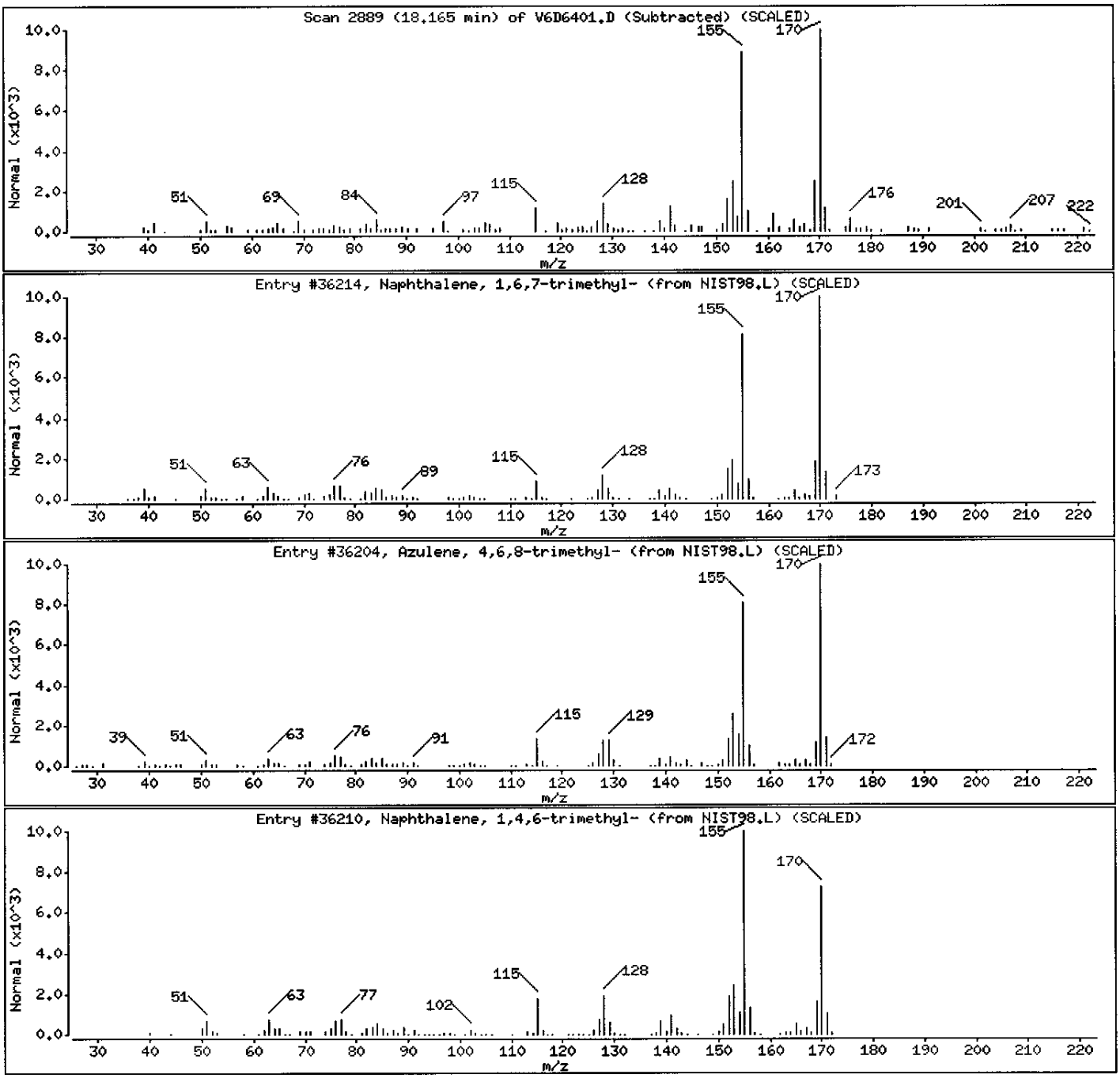
Client ID: MW-01 Instrument: V6.i

Sample Info: ,D0618-01A,MW-01,18358

Purge Volume: 5.0 Operator: SB SRC: SB

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NIST98.L	36214	93	C13H14	170
Azulene, 4,6,8-trimethyl-	941-81-1	NIST98.L	36204	93	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NIST98.L	36210	93	C13H14	170



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6401.D

Date : 02-JUN-2005 15:49

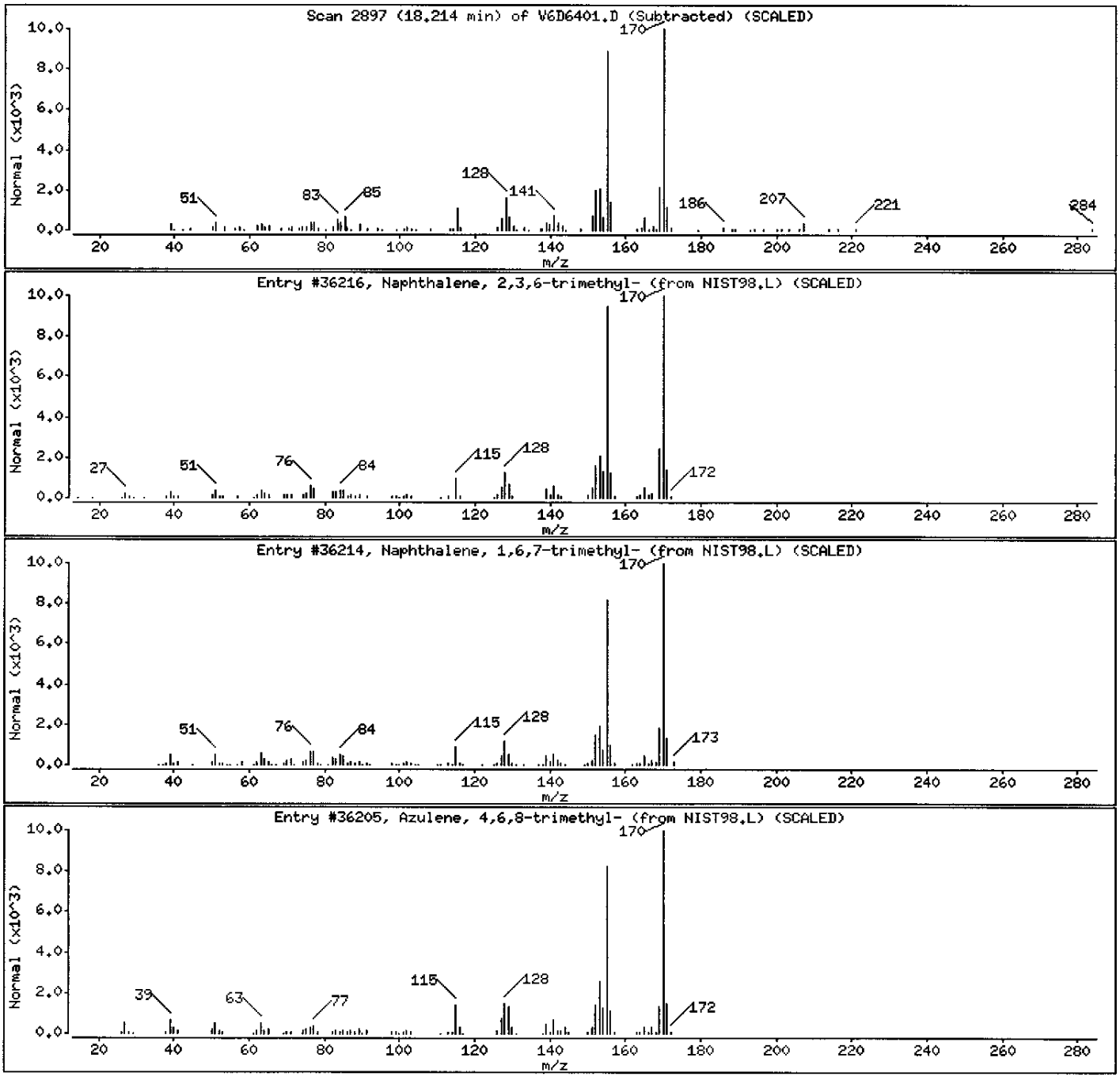
Client ID: MW-01 Instrument: V6.i

Sample Info: ,D0618-01A,MW-01,18358

Purge Volume: 5.0 Operator: SB SRC: SB

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 2,3,6-trimethyl-	829-26-5	NIST98.L	36216	94	C13H14	170
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NIST98.L	36214	94	C13H14	170
Azulene, 4,6,8-trimethyl-	941-81-1	NIST98.L	36205	93	C13H14	170



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6401.D

Date : 02-JUN-2005 15:49

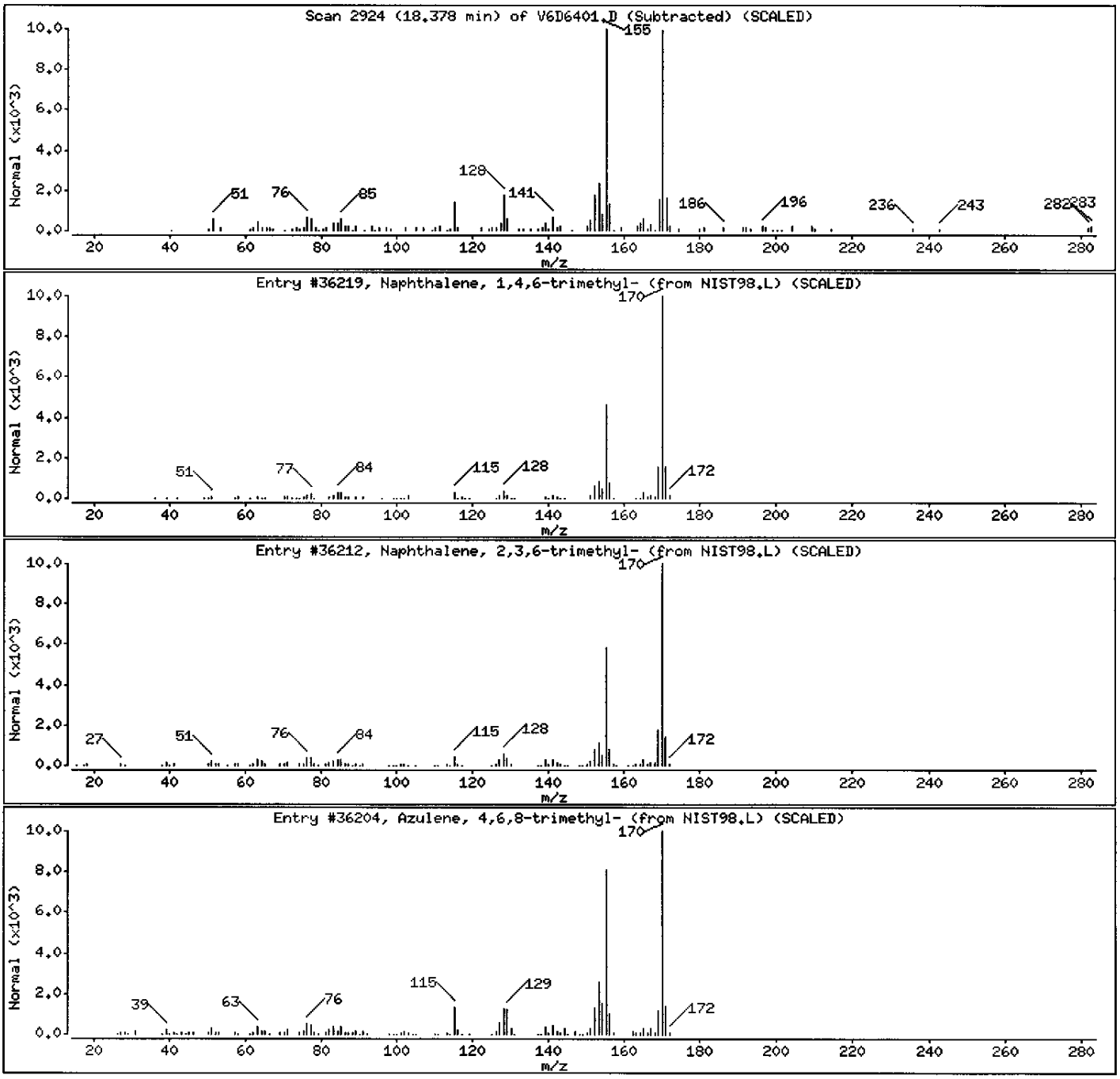
Client ID: MW-01 Instrument: V6.i

Sample Info: ,D0618-01A,MW-01,18358

Purge Volume: 5.0 Operator: SB SRC: SB

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NIST98.L	36219	96	C13H14	170
Naphthalene, 2,3,6-trimethyl-	829-26-5	NIST98.L	36212	95	C13H14	170
Azulene, 4,6,8-trimethyl-	941-81-1	NIST98.L	36204	94	C13H14	170



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6401.D

Date : 02-JUN-2005 15:49

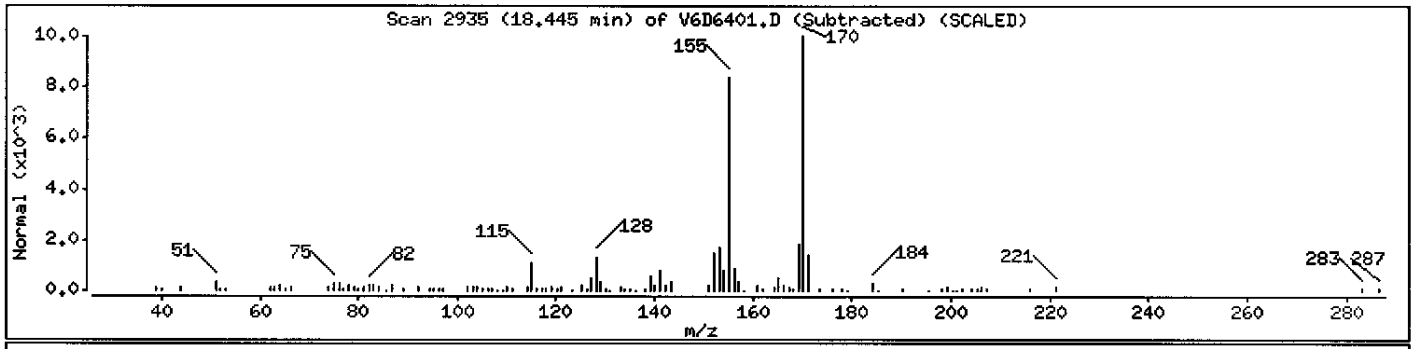
Client ID: MW-01 Instrument: V6.i

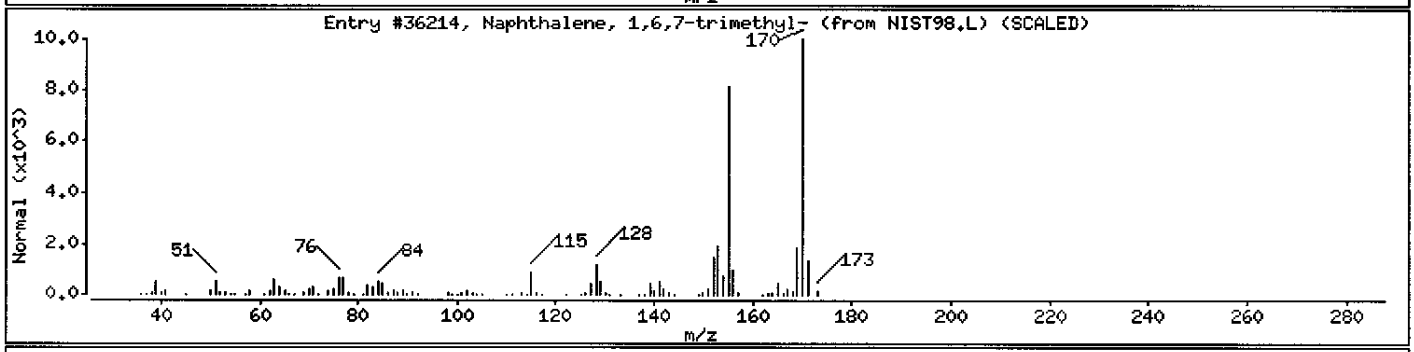
Sample Info: ,D0618-01A,MW-01,18358

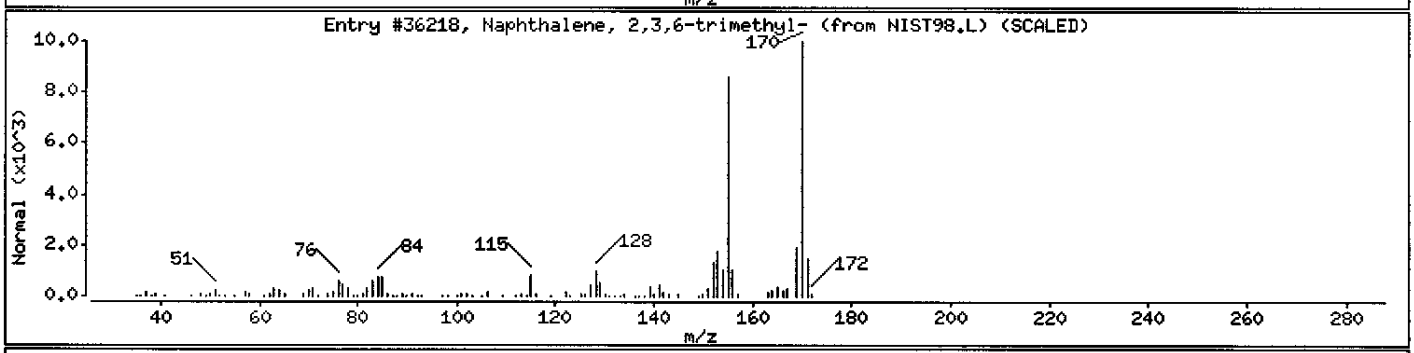
Purge Volume: 5.0 Operator: SB SRC: SB

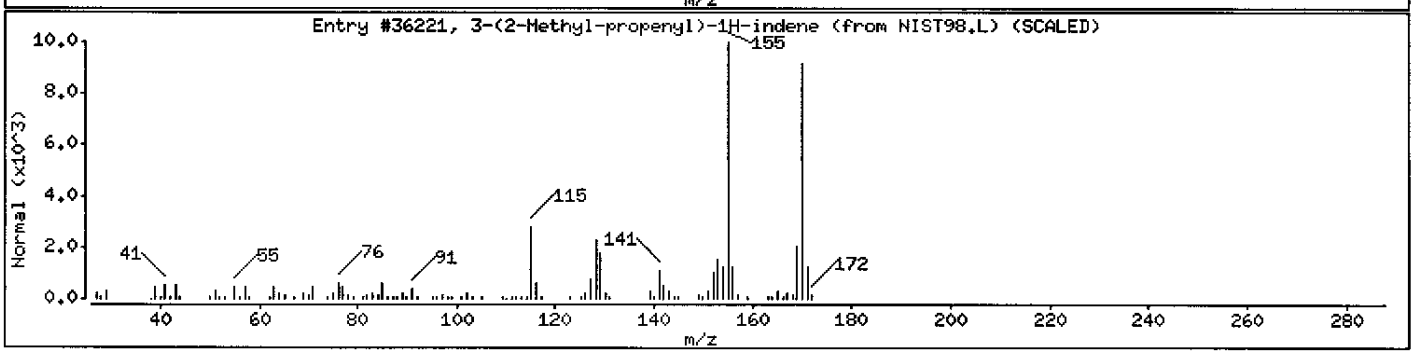
Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NIST98.L	36214	96	C13H14	170
Naphthalene, 2,3,6-trimethyl-	829-26-5	NIST98.L	36218	95	C13H14	170
3-(2-Methyl-propenyl)-1H-indene	1000187-78-5	NIST98.L	36221	94	C13H14	170









Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6401.D

Date : 02-JUN-2005 15:49

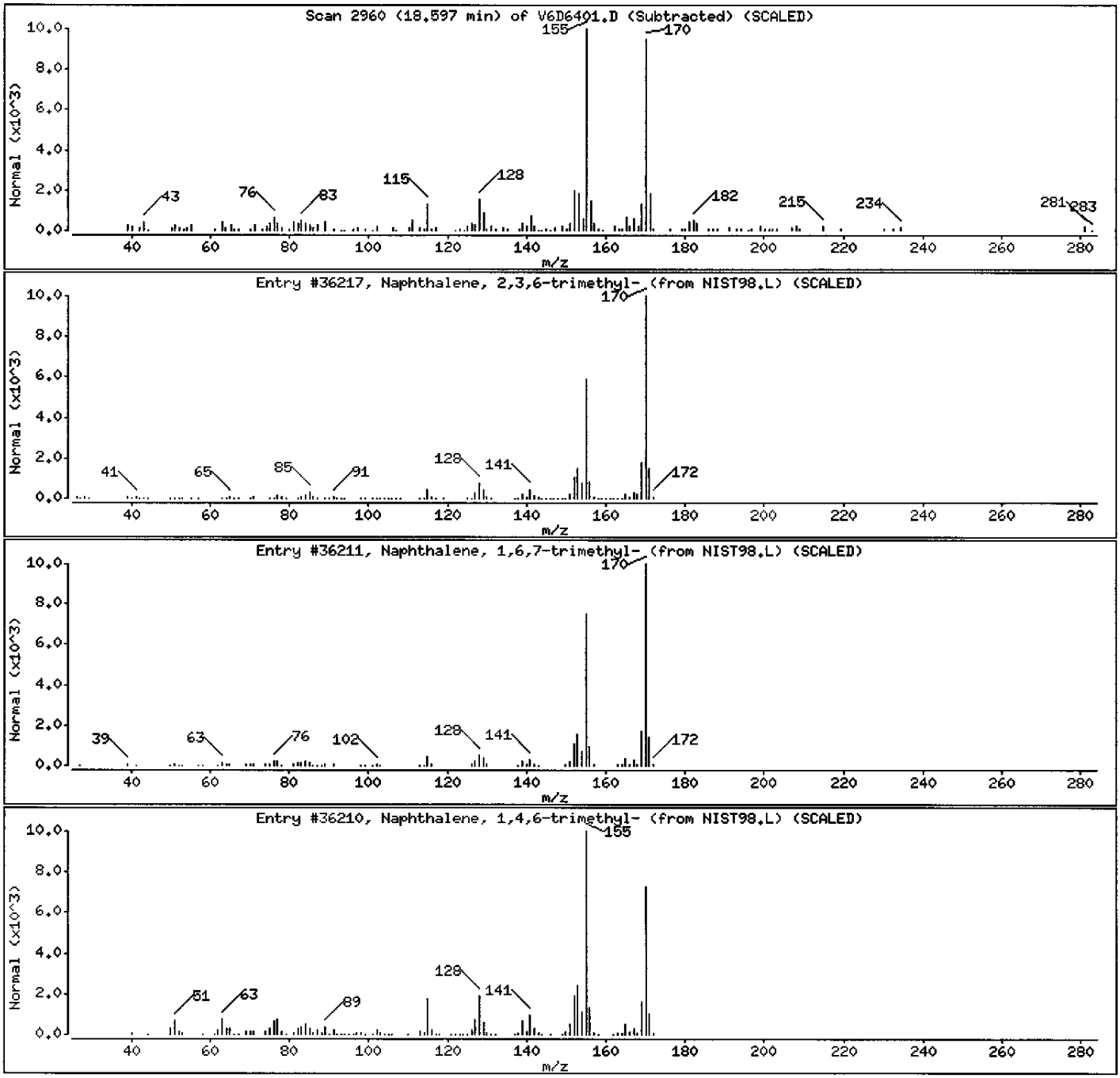
Client ID: MW-01 Instrument: V6.i

Sample Info: ,D0618-01A,MW-01,18358

Purge Volume: 5.0 Operator: SB SRC: SB

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 2,3,6-trimethyl-	829-26-5	NIST98.L	36217	91	C13H14	170
Naphthalene, 1,6,7-trimethyl-	2245-38-7	NIST98.L	36211	90	C13H14	170
Naphthalene, 1,4,6-trimethyl-	2131-42-2	NIST98.L	36210	87	C13H14	170



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-03

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6404

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-03

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6404

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	1400	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

MW-03

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6404

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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7.					
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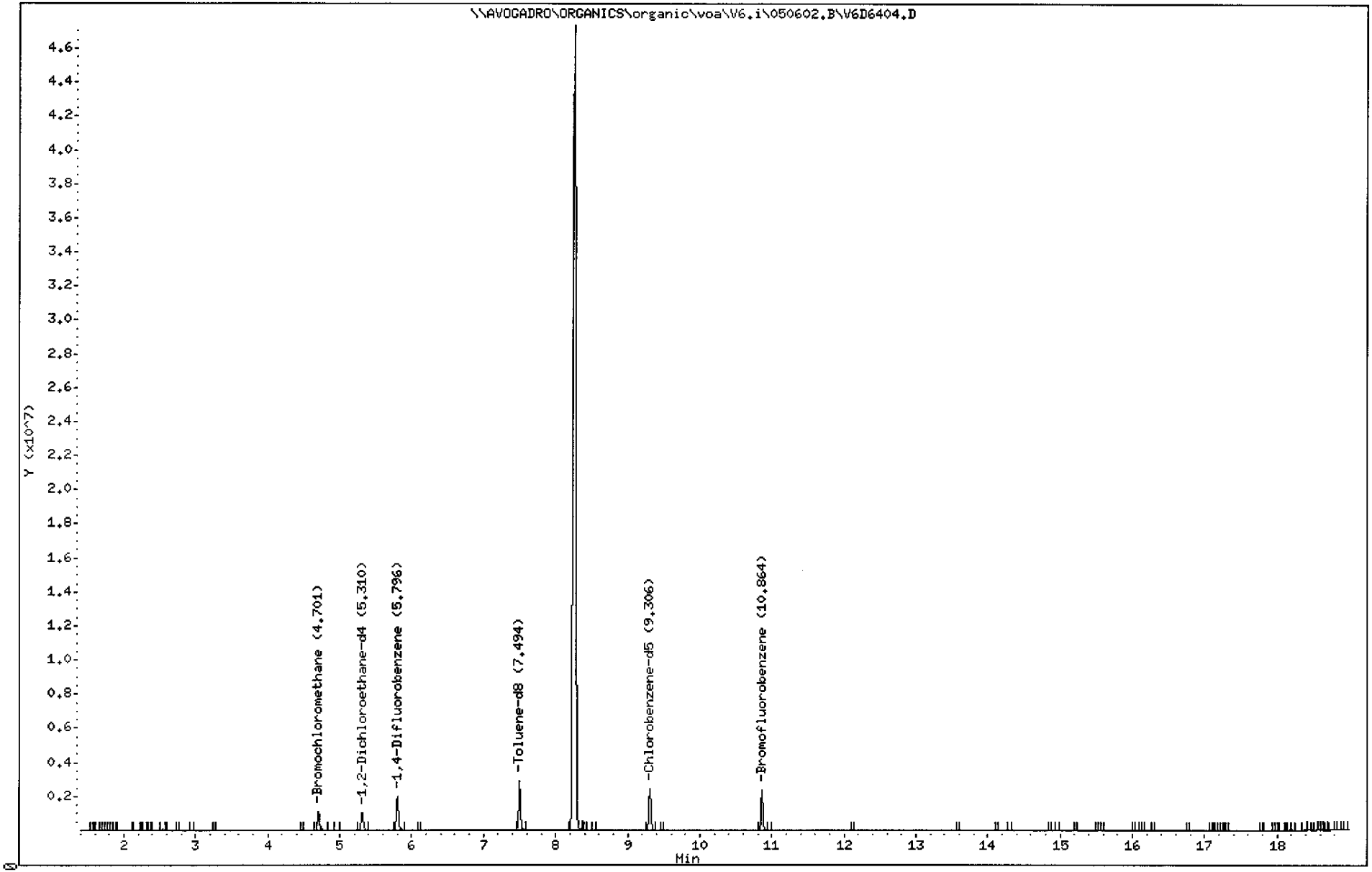
Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6404.D
Date : 02-JUN-2005 17:11
Client ID: MW-03
Instrument: V6.i
Sample Info: ,D0618-02A,MW-03,18358
Purge Volume: 5.0
Operator: SB SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6404.D
Report Date: 22-Jun-2005 16:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6404.D
Lab Smp Id: D0618-02A Client Smp ID: MW-03
Inj Date : 02-JUN-2005 17:11
Operator : SB SRC: LIMS Inst ID: V6.i
Smp Info : ,D0618-02A,MW-03,18358
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	4.701	4.695	(1.000)	383068	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.310	5.303	(1.129)	923187	43.4552	43
* 26 1,4-Difluorobenzene	114	5.796	5.796	(1.000)	1854118	50.0000	
$ 33 Toluene-d8	98	7.494	7.493	(0.805)	2280387	49.9779	50
37 Tetrachloroethene	164	8.260	8.253	(0.888)	15263299	1442.54	1400(A)
* 42 Chlorobenzene-d5	117	9.306	9.306	(1.000)	1761284	50.0000	
$ 50 Bromofluorobenzene	95	10.864	10.857	(1.167)	922027	49.2551	49

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

KC
6/22/05

KC

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6404.D
Report Date: 22-Jun-2005 16:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6404.D
Lab Smp Id: D0618-02A Client Smp ID: MW-03
Inj Date : 02-JUN-2005 17:11
Operator : SB SRC: LIMS Inst ID: V6.i
Smp Info : ,D0618-02A,MW-03,18358
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6404.D

Date : 02-JUN-2005 17:11

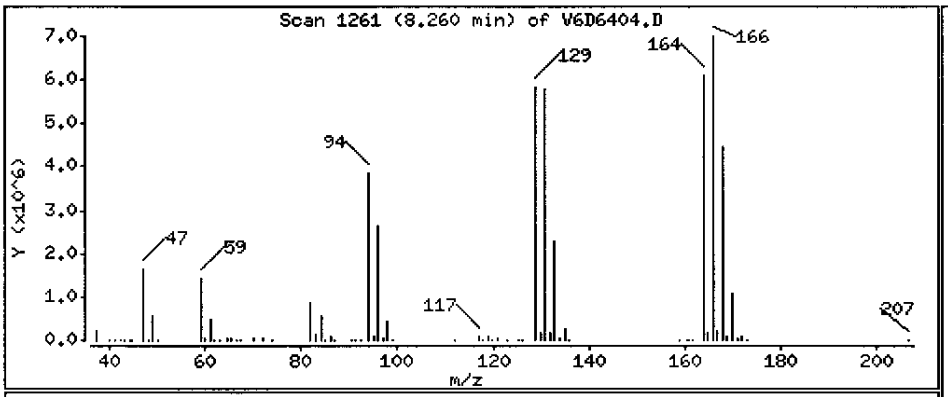
Client ID: MW-03 Instrument: V6.i

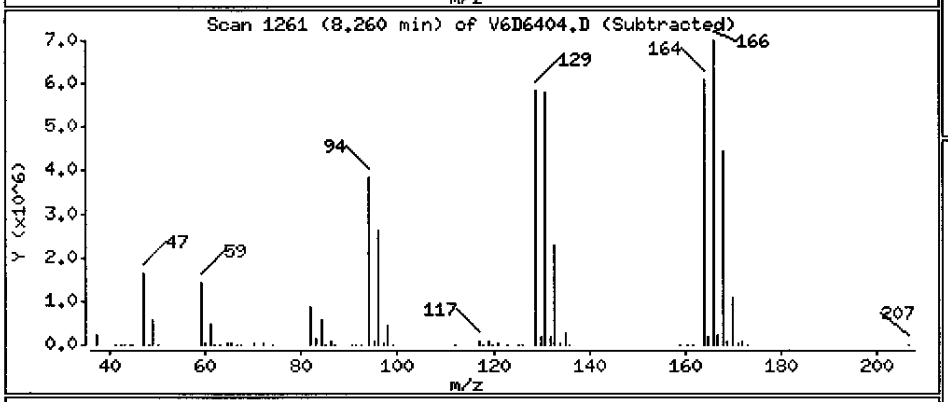
Sample Info: ,D0618-02A,MW-03,18358

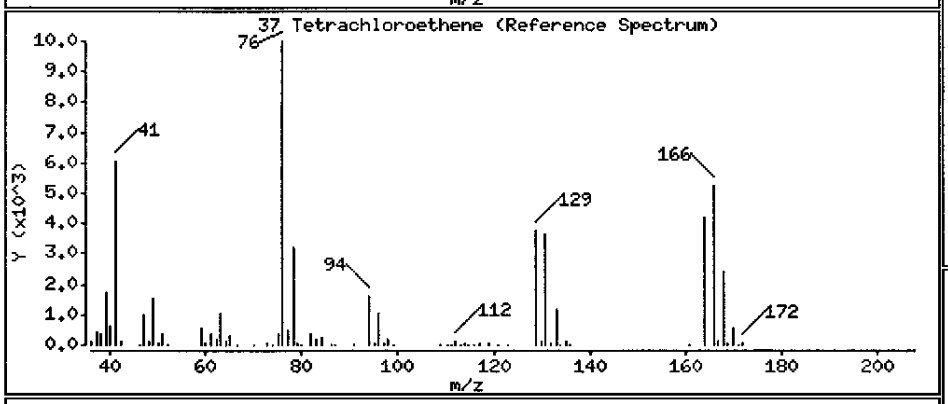
Purge Volume: 5.0 Operator: SB SRC: LIMS

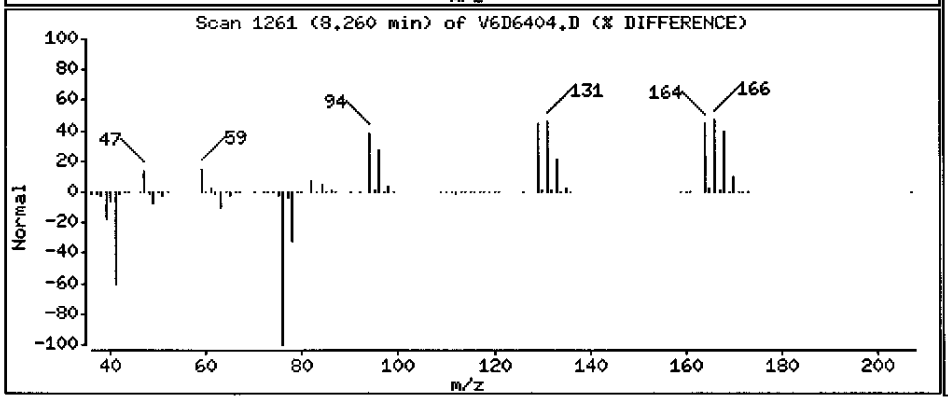
Column phase: DB-624 Column diameter: 0.25

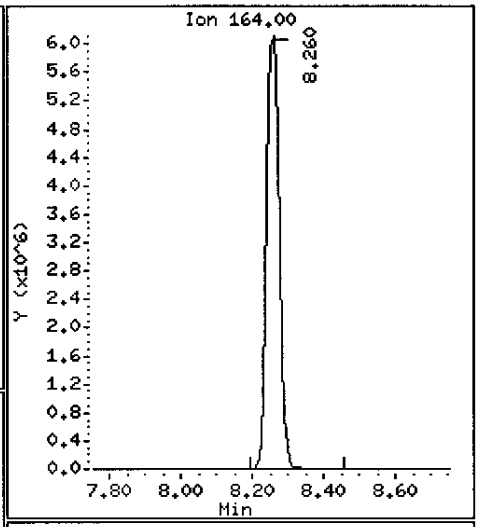
37 Tetrachloroethene Concentration: 1400 ug/L

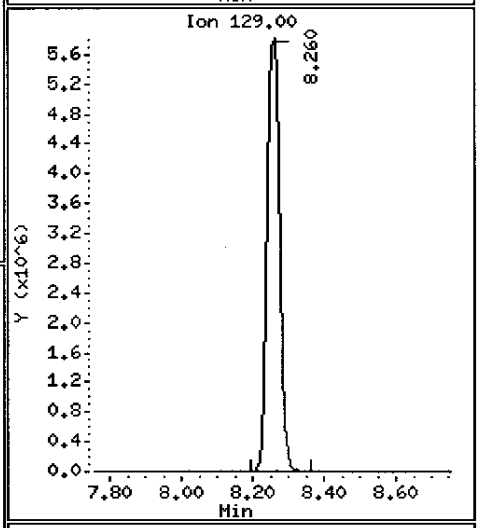


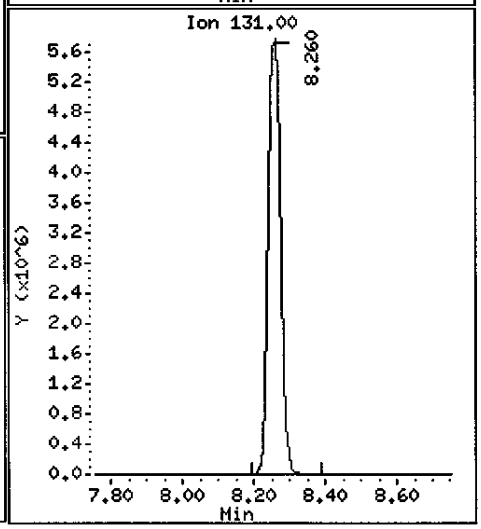












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-03DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6430

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl Chloride	200	U
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	200	U
67-64-1	Acetone	200	U
75-15-0	Carbon Disulfide	200	U
79-20-9	Methyl Acetate	200	U
75-09-2	Methylene Chloride	200	U
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-Butyl Ether	200	U
75-34-3	1,1-Dichloroethane	200	U
156-59-2	cis-1,2-Dichloroethene	200	U
78-93-3	2-Butanone	200	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon Tetrachloride	200	U
71-43-2	Benzene	200	U
107-06-2	1,2-Dichloroethane	200	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-03DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6430

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	200	U
108-87-2	Methylcyclohexane	200	U
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-Pentanone	200	U
108-88-3	Toluene	200	U
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	1400	D
591-78-6	2-Hexanone	200	U
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	200	U
100-41-4	Ethylbenzene	200	U
1330-20-7	Xylene (Total)	200	U
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
98-82-8	Isopropylbenzene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
96-12-8	1,2-Dibromo-3-chloropropane	200	U
120-82-1	1,2,4-Trichlorobenzene	200	U

1F

EPA SAMPLE NO.

MW-03DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6430

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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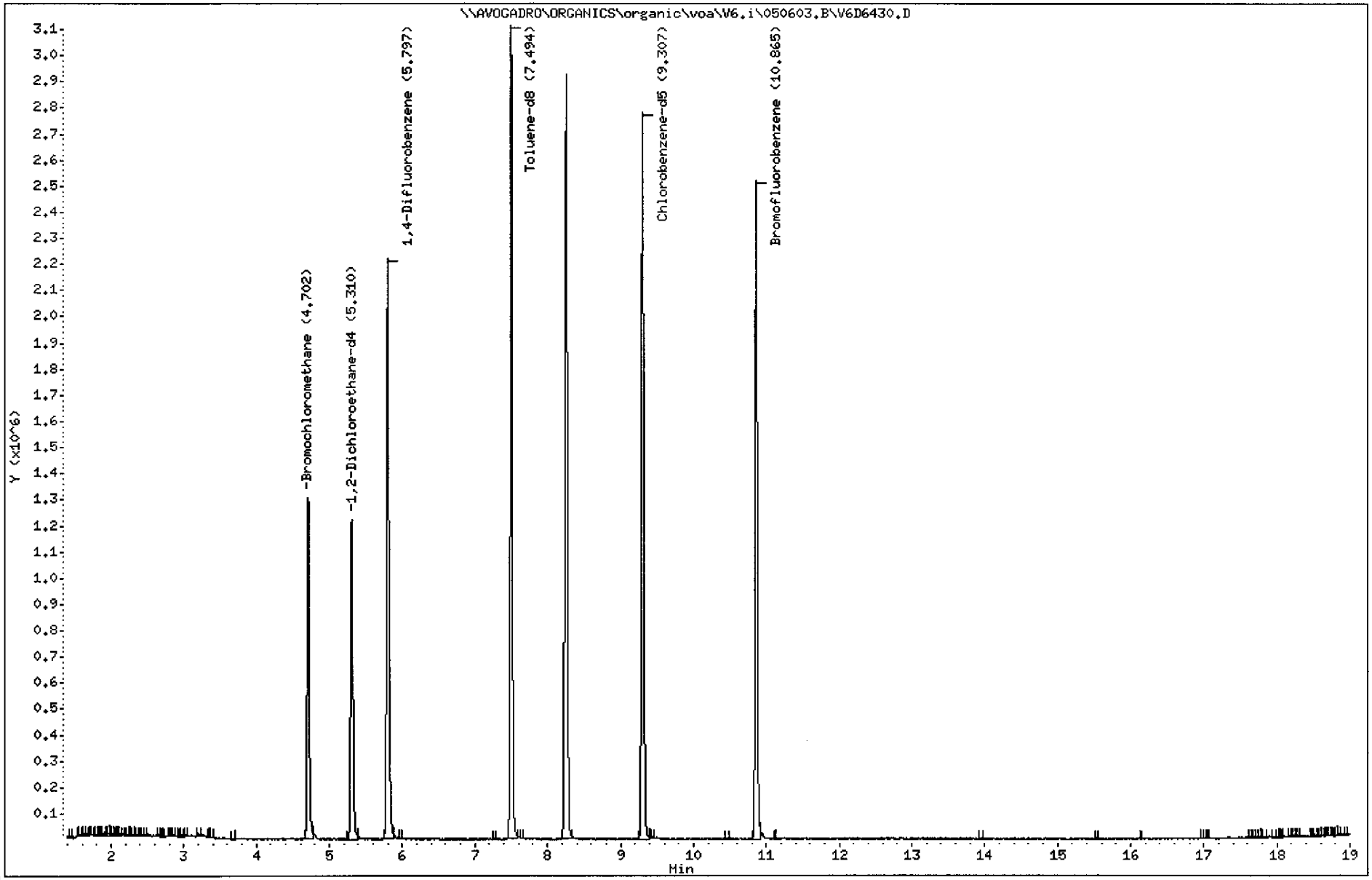
26.				
27.				
28.				
29.				
30.				

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6430.D
Date : 03-JUN-2005 17:45
Client ID: MW-03DL
Instrument: V6.i
Sample Info: ,D0618-02ADL,18379,20X
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0900

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6430.D
Report Date: 22-Jun-2005 17:02

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6430.D
Lab Smp Id: D0618-02ADL Client Smp ID: MW-03DL
Inj Date : 03-JUN-2005 17:45
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-02ADL,18379,20X
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\v6clp4s.m
Meth Date : 06-Jun-2005 09:32 mtl Quant Type: ISTD
Cal Date : 03-JUN-2005 11:51 Cal File: V6D6421.D ✓
Als bottle: 10
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	20.000	Dilution Factor ✓
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	4.708	4.699	(1.000)	405562	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.304	5.301	(1.127)	1078161	46.6400	47
* 26 1,4-Difluorobenzene	114	5.797	5.794	(1.000)	1865381	50.0000	
$ 33 Toluene-d8	98	7.494	7.492	(0.805)	2278064	45.4888	45
37 Tetrachloroethene	164	8.255	8.252	(0.887)	829585	72.3039	1400
* 42 Chlorobenzene-d5	117	9.307	9.304	(1.000)	1843799	50.0000	
$ 50 Bromofluorobenzene	95	10.865	10.862	(1.167)	940080	45.0978	45

KC
6/22/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6430.D
Report Date: 22-Jun-2005 17:02

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6430.D
Lab Smp Id: D0618-02ADL Client Smp ID: MW-03DL
Inj Date : 03-JUN-2005 17:45
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-02ADL,18379,20X
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\v6clp4s.m
Meth Date : 06-Jun-2005 09:32 mtl Quant Type: ISTD
Cal Date : 03-JUN-2005 11:51 Cal File: V6D6421.D
Als bottle: 10
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6430.D

Date : 03-JUN-2005 17:45

Client ID: MW-03DL

Instrument: V6.i

Sample Info: ,D0618-02ADL,18379,20X

Purge Volume: 5.0

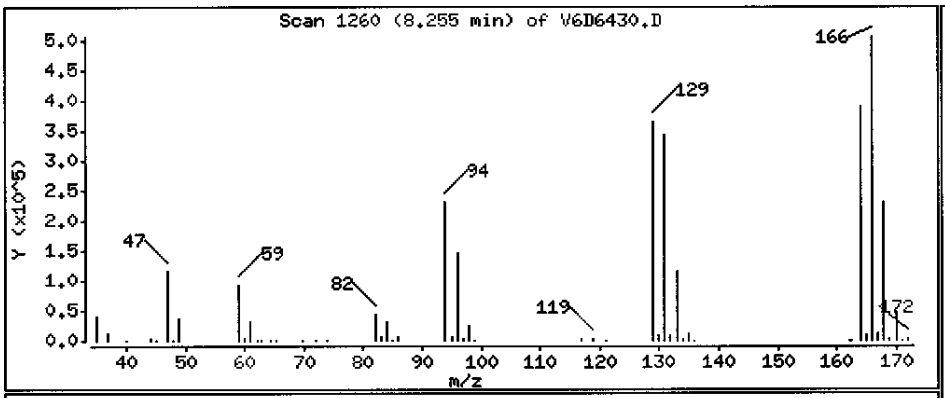
Operator: SB SRC: SB

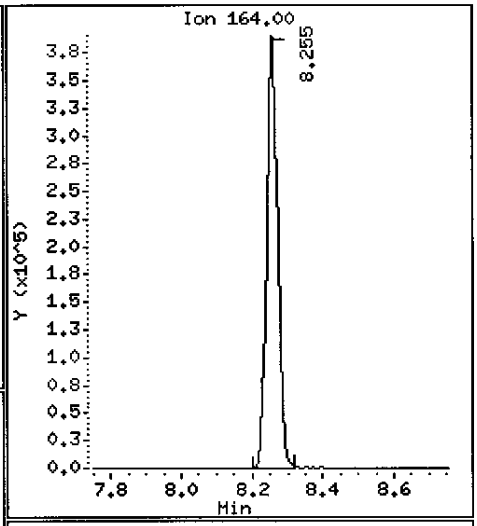
Column phase: DB-624

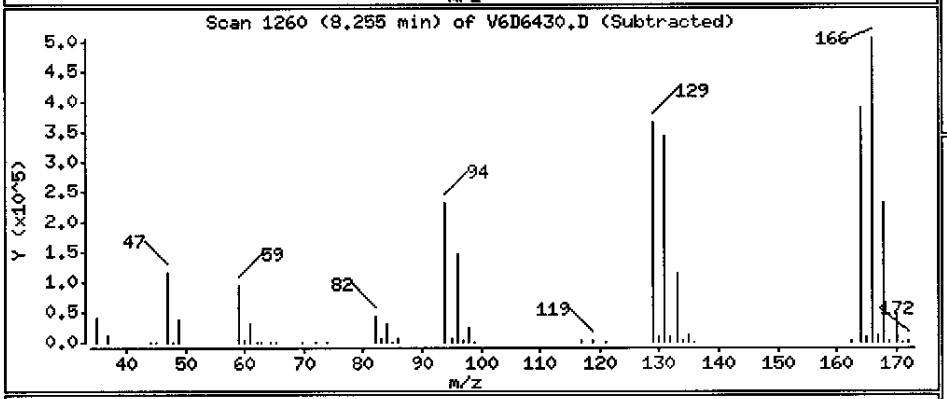
Column diameter: 0.25

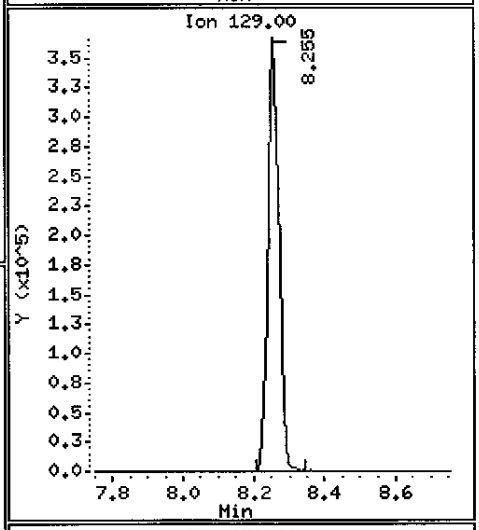
37 Tetrachloroethene

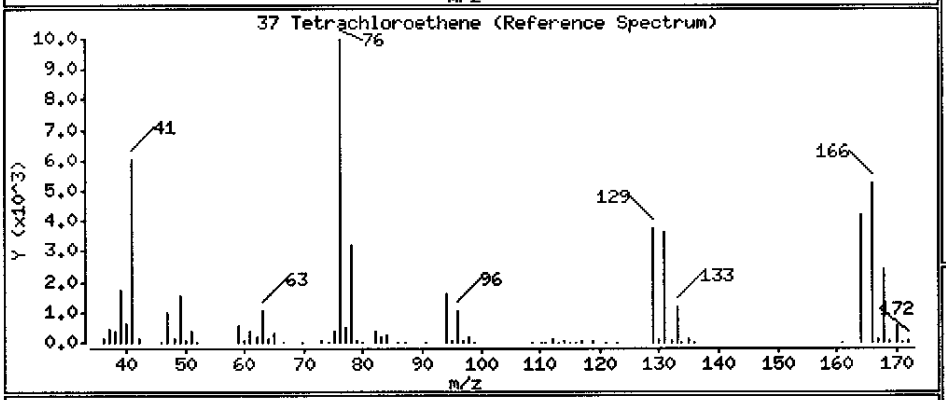
Concentration: 1400 ug/L

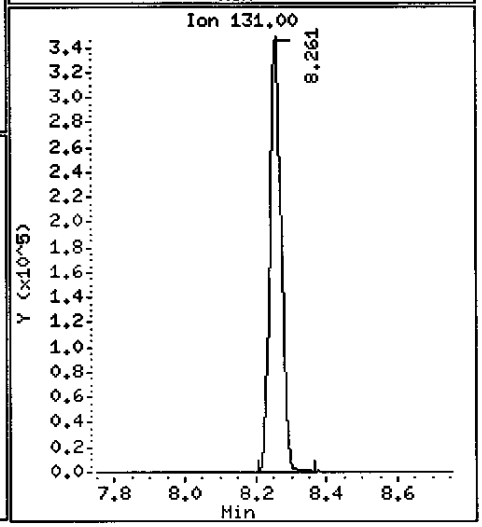


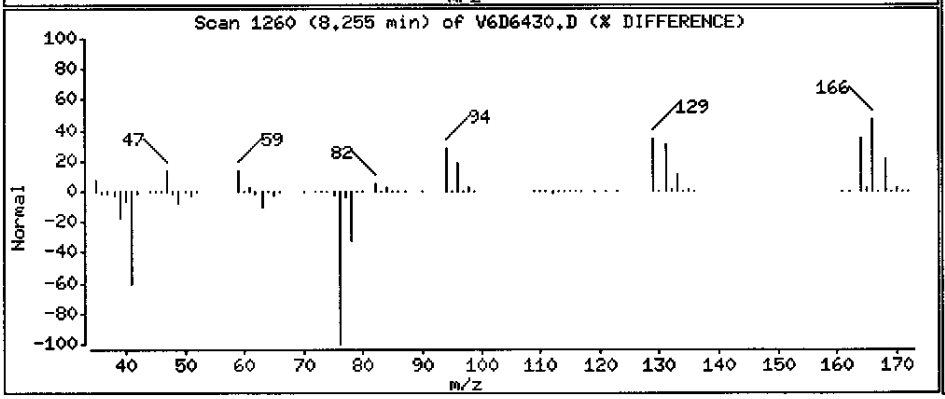












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-04

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6405

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-04

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6405

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	1	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	1300	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-04

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6405

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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13.					
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23.					
24.					
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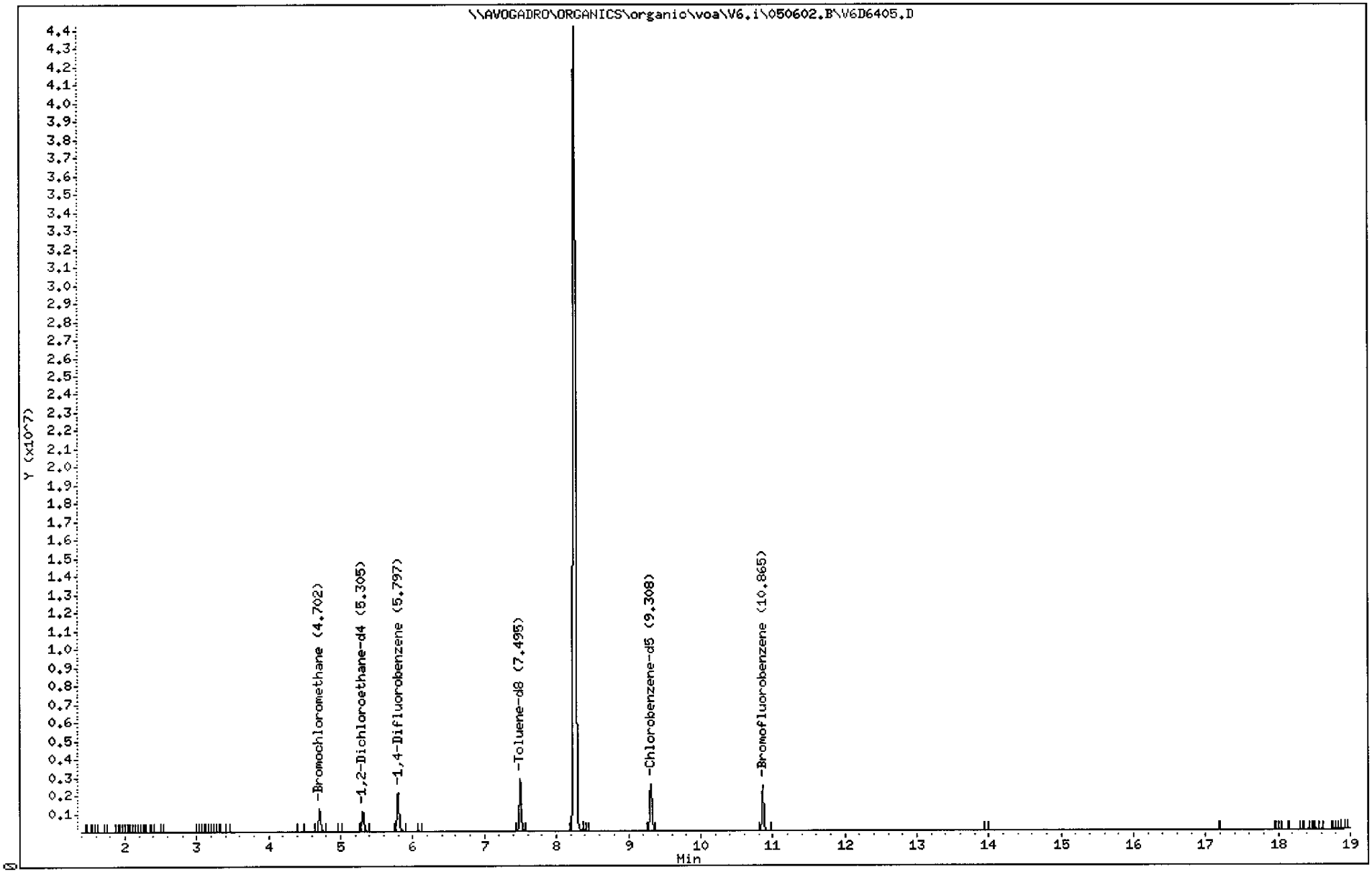
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6405.D
Date : 02-JUN-2005 17:38
Client ID: MW-04
Instrument: V6.i
Sample Info: ,D0618-03A,MW-04,18358
Purge Volume: 5.0
Operator: SB SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



2900

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6405.D
Report Date: 22-Jun-2005 16:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6405.D
Lab Smp Id: D0618-03A Client Smp ID: MW-04
Inj Date : 02-JUN-2005 17:38
Operator : SB SRC: LIMS Inst ID: V6.i
Smp Info : ,D0618-03A,MW-04,18358
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 18 Bromochloromethane	128	4.702	4.695	(1.000)	402623	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.305	5.303	(1.128)	964904	43.2129	43
* 26 1,4-Difluorobenzene	114	5.798	5.796	(1.000)	1945425	50.0000	
27 Trichloroethene	130	6.102	6.088	(1.052)	16780	1.18918	1(a)
$ 33 Toluene-d8	98	7.495	7.493	(0.805)	2273614	47.1039	47
37 Tetrachloroethene	164	8.255	8.253	(0.887)	14012533	1251.89	1300(A)
* 42 Chlorobenzene-d5	117	9.308	9.306	(1.000)	1863196	50.0000	
$ 50 Bromofluorobenzene	95	10.859	10.857	(1.167)	980992	49.5386	50

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.

KL 6/22/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6405.D
Report Date: 22-Jun-2005 16:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6405.D
Lab Smp Id: D0618-03A Client Smp ID: MW-04
Inj Date : 02-JUN-2005 17:38
Operator : SB SRC: LIMS Inst ID: V6.i
Smp Info : ,D0618-03A,MW-04,18358
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6405.D

Date : 02-JUN-2005 17:38

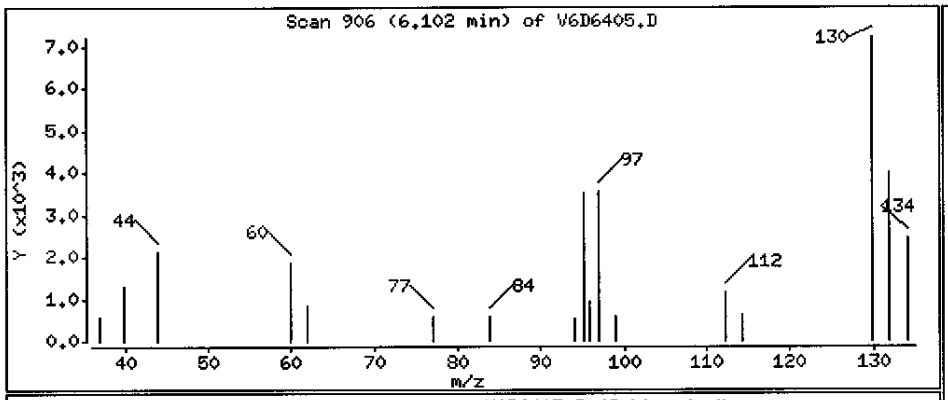
Client ID: MW-04 Instrument: V6.i

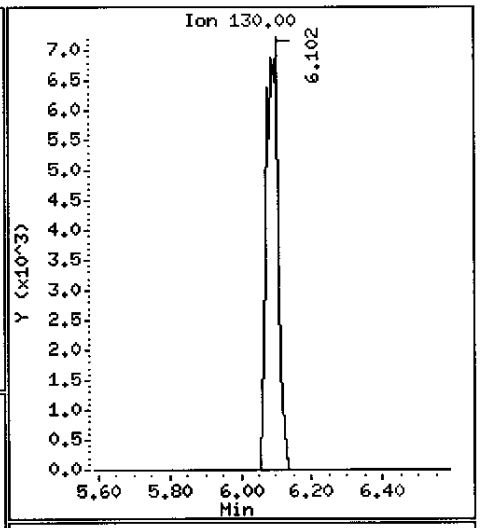
Sample Info: ,D0618-03A,MW-04,18358

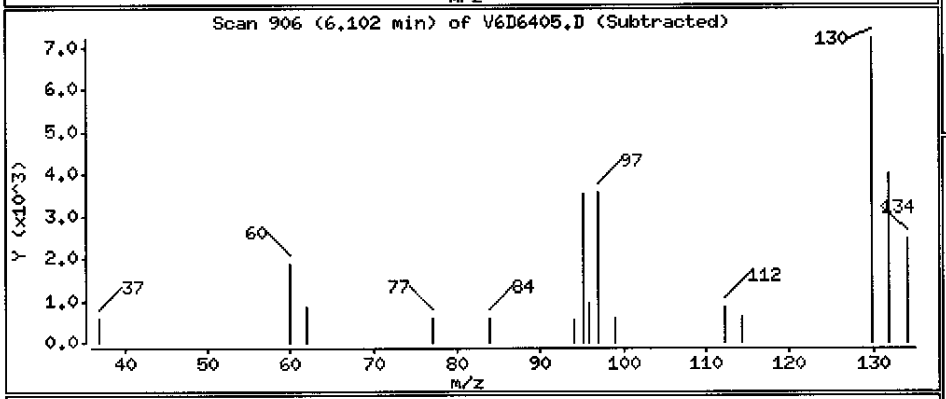
Purge Volume: 5.0 Operator: SB SRC: LIMS

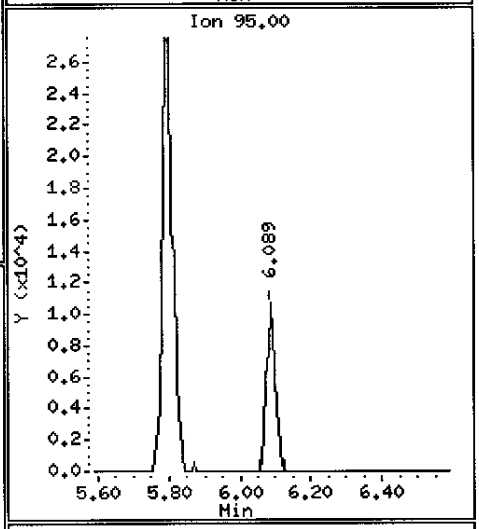
Column phase: DB-624 Column diameter: 0.25

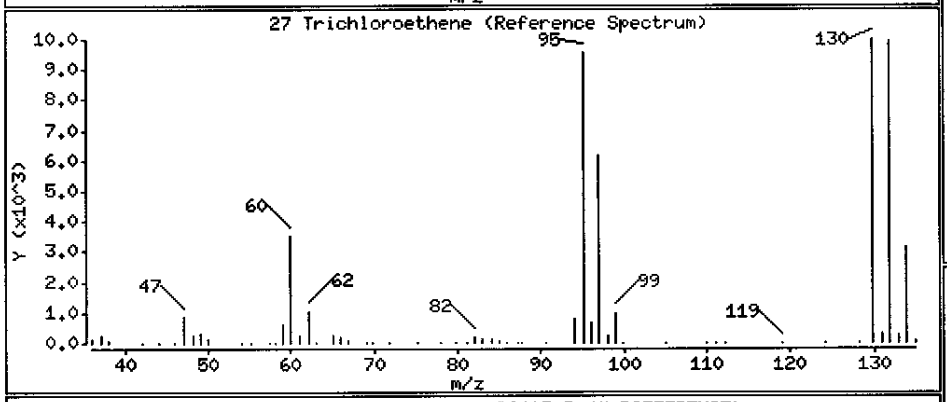
27 Trichloroethene Concentration: 1 ug/L

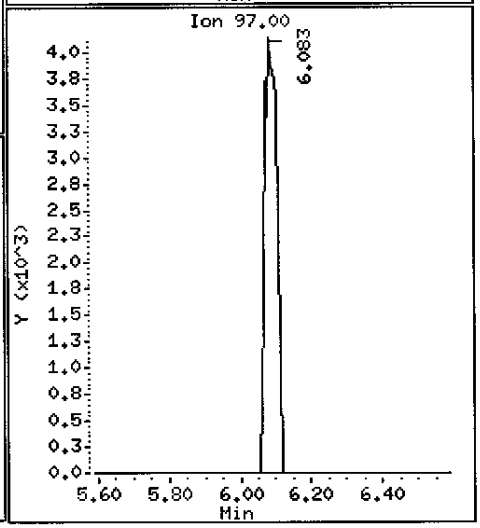


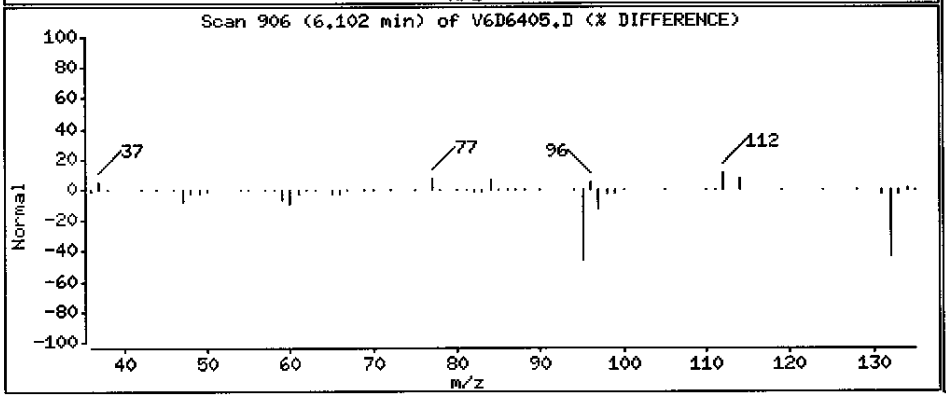












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6405.D

Date : 02-JUN-2005 17:38

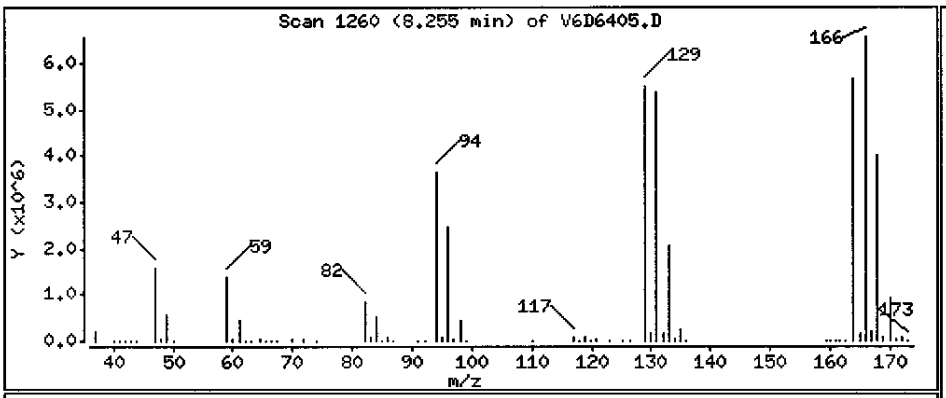
Client ID: MW-04 Instrument: V6.i

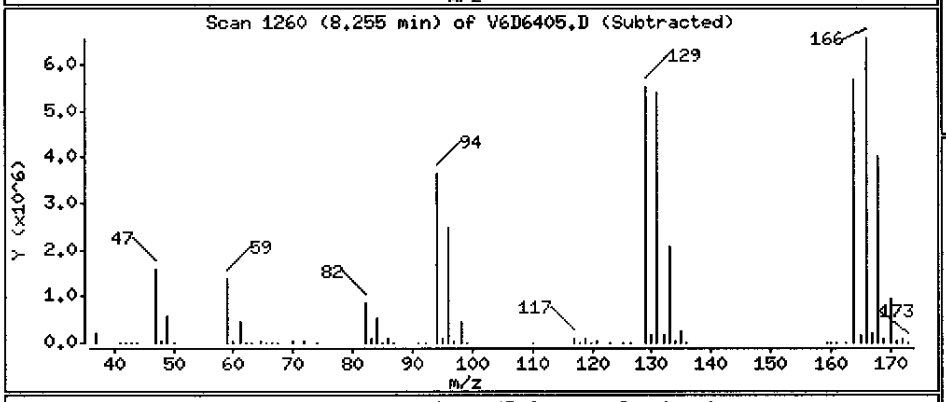
Sample Info: ,D0618-03A,MW-04,18358

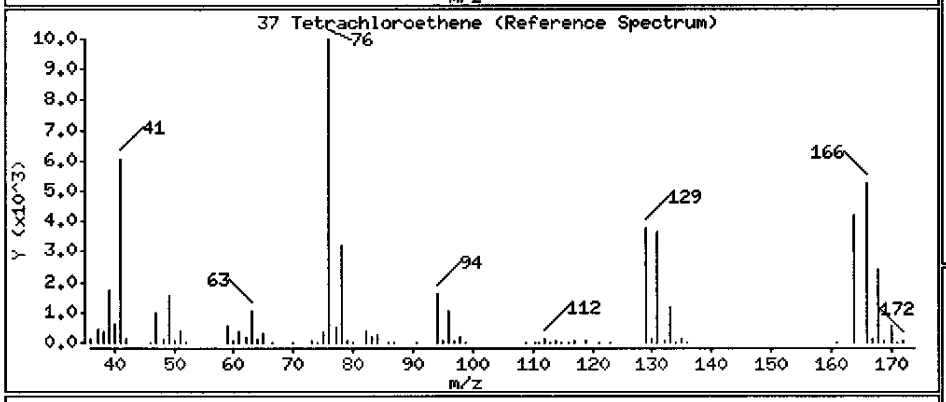
Purge Volume: 5.0 Operator: SB SRC: LIMS

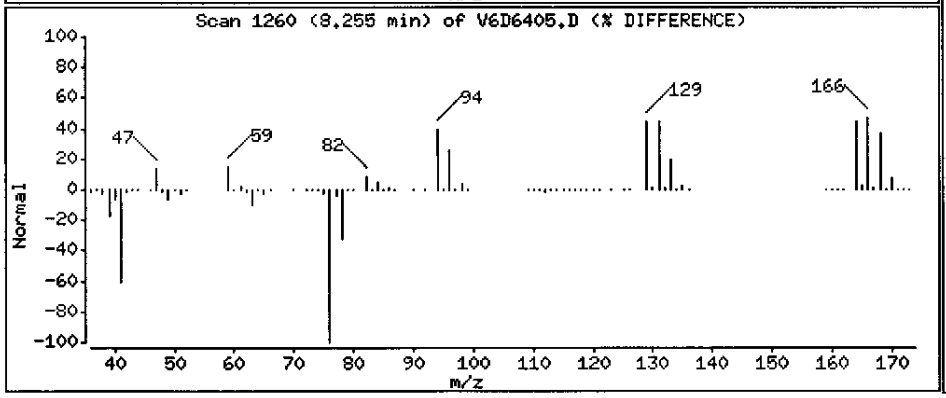
Column phase: DB-624 Column diameter: 0.25

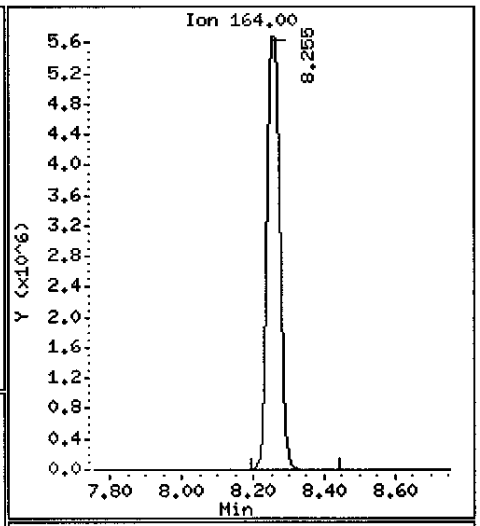
37 Tetrachloroethene Concentration: 1300 ug/L

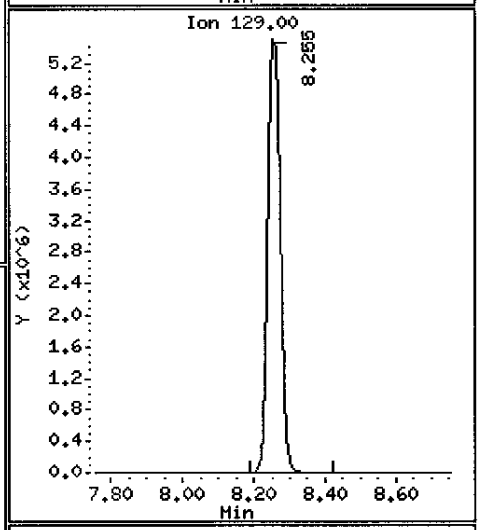


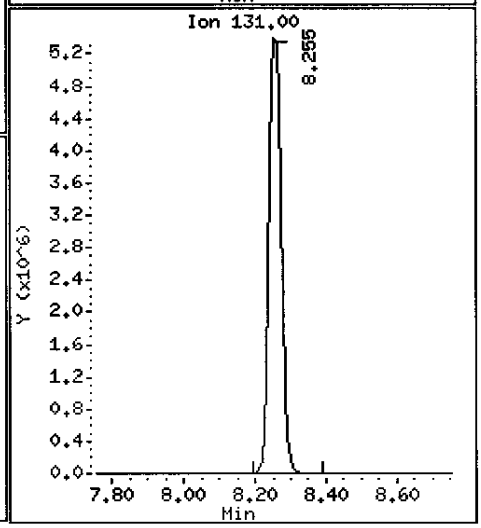












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-04DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-03ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6431

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl Chloride	200	U
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	200	U
67-64-1	Acetone	200	U
75-15-0	Carbon Disulfide	200	U
79-20-9	Methyl Acetate	200	U
75-09-2	Methylene Chloride	200	U
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-Butyl Ether	200	U
75-34-3	1,1-Dichloroethane	200	U
156-59-2	cis-1,2-Dichloroethene	200	U
78-93-3	2-Butanone	200	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon Tetrachloride	200	U
71-43-2	Benzene	200	U
107-06-2	1,2-Dichloroethane	200	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-04DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-03ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6431

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	200	U
108-87-2	Methylcyclohexane	200	U
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-Pentanone	200	U
108-88-3	Toluene	200	U
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	1200	D
591-78-6	2-Hexanone	200	U
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	200	U
100-41-4	Ethylbenzene	200	U
1330-20-7	Xylene (Total)	200	U
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
98-82-8	Isopropylbenzene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
96-12-8	1,2-Dibromo-3-chloropropane	200	U
120-82-1	1,2,4-Trichlorobenzene	200	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-04DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-03ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6431

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

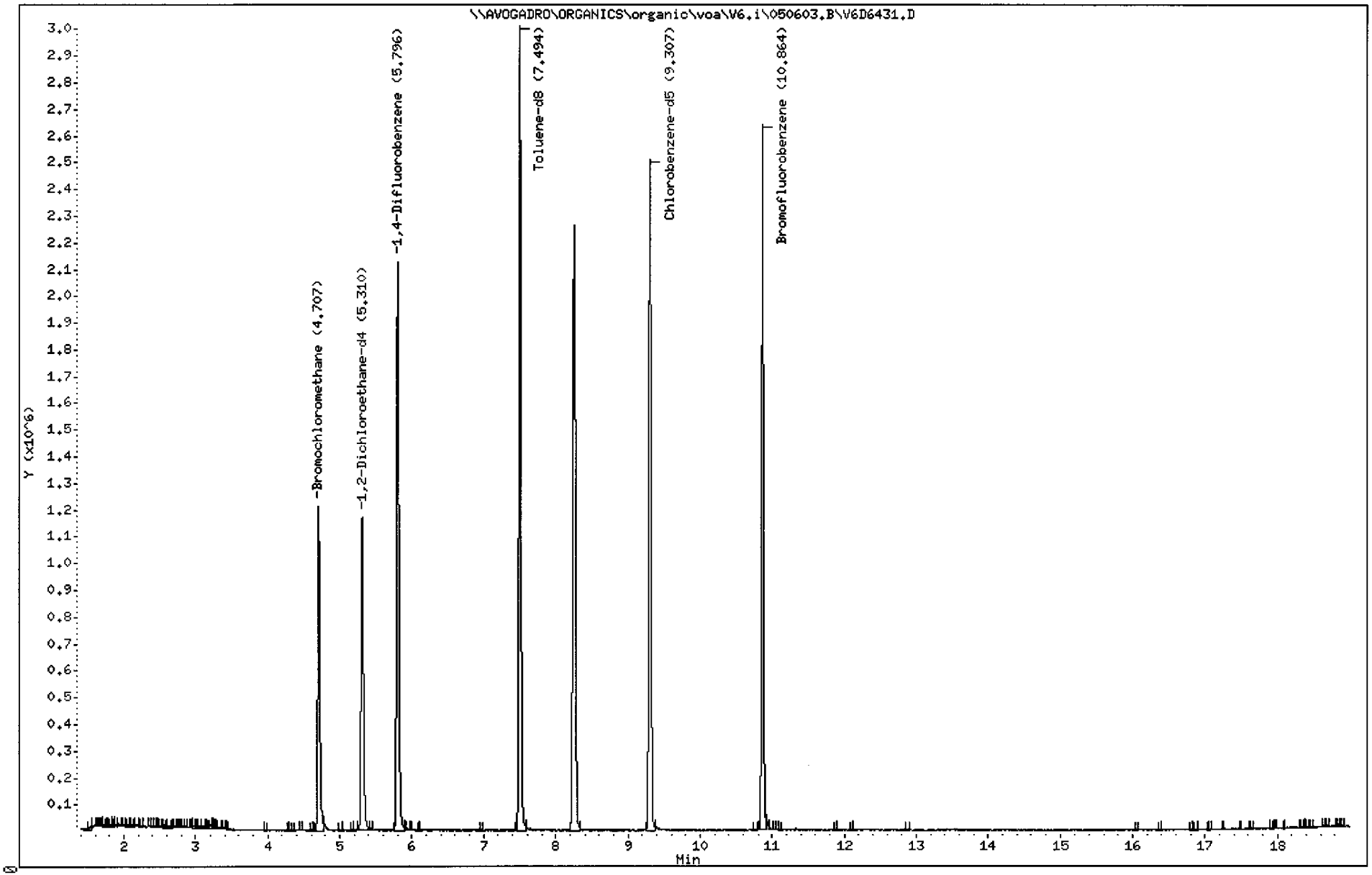
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6431.D
Date : 03-JUN-2005 18:13
Client ID: MW-04DL
Instrument: V6.i
Sample Info: ,D0618-03ADL,18379,20X
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0075

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6431.D
Report Date: 22-Jun-2005 17:02

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6431.D
Lab Smp Id: D0618-03ADL Client Smp ID: MW-04DL
Inj Date : 03-JUN-2005 18:13
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-03ADL,18379,20X
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\v6clp4s.m
Meth Date : 06-Jun-2005 09:32 mtl Quant Type: ISTD
Cal Date : 03-JUN-2005 11:51 Cal File: V6D6421.D
Als bottle: 11
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	20.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 18 Bromochloromethane	128	4.707	4.699	(1.000)	393737	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.304	5.301	(1.127)	1095504	48.8135	49
* 26 1,4-Difluorobenzene	114	5.796	5.794	(1.000)	1792066	50.0000	
$ 33 Toluene-d8	98	7.494	7.492	(0.805)	2233090	47.9738	48
37 Tetrachloroethene	164	8.260	8.252	(0.888)	637075	59.7380	1200
* 42 Chlorobenzene-d5	117	9.306	9.304	(1.000)	1713777	50.0000	
$ 50 Bromofluorobenzene	95	10.864	10.862	(1.167)	932222	48.1138	48

KC
6/22/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6431.D
Report Date: 22-Jun-2005 17:02

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6431.D
Lab Smp Id: D0618-03ADL Client Smp ID: MW-04DL
Inj Date : 03-JUN-2005 18:13
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-03ADL,18379,20X
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\v6clp4s.m
Meth Date : 06-Jun-2005 09:32 mtl Quant Type: ISTD
Cal Date : 03-JUN-2005 11:51 Cal File: V6D6421.D
Als bottle: 11
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6431.D

Date : 03-JUN-2005 18:13

Client ID: MW-04DL

Instrument: V6.i

Sample Info: ,D0618-03ADL,18379,20X

Purge Volume: 5.0

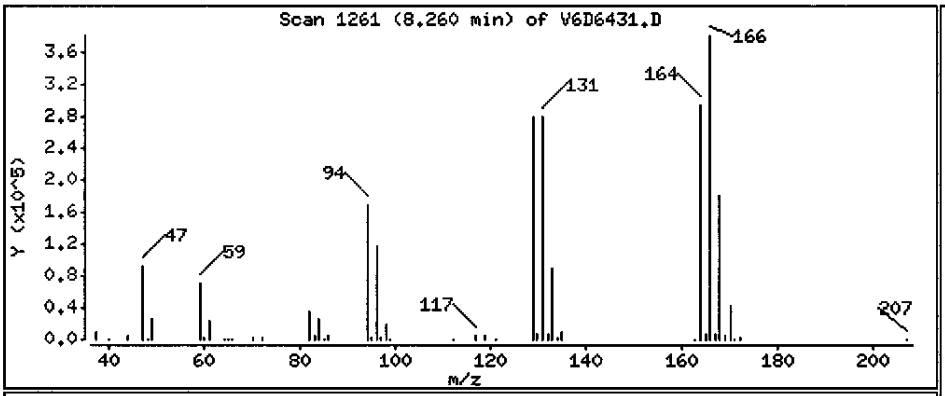
Operator: SB SRC: SB

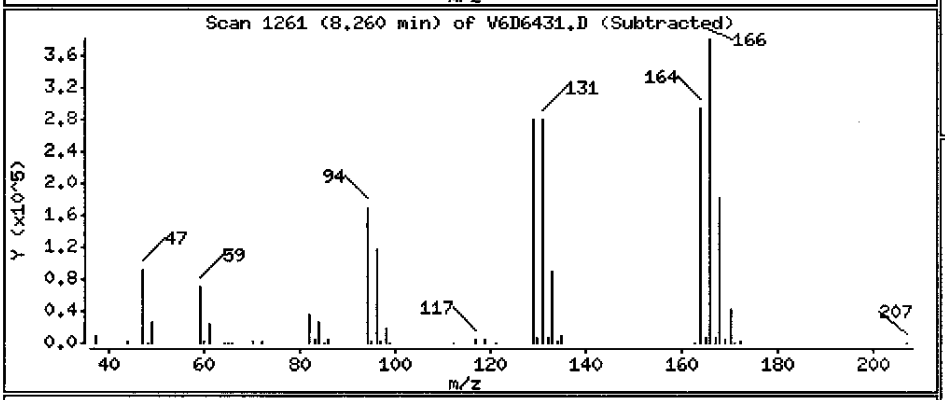
Column phase: DB-624

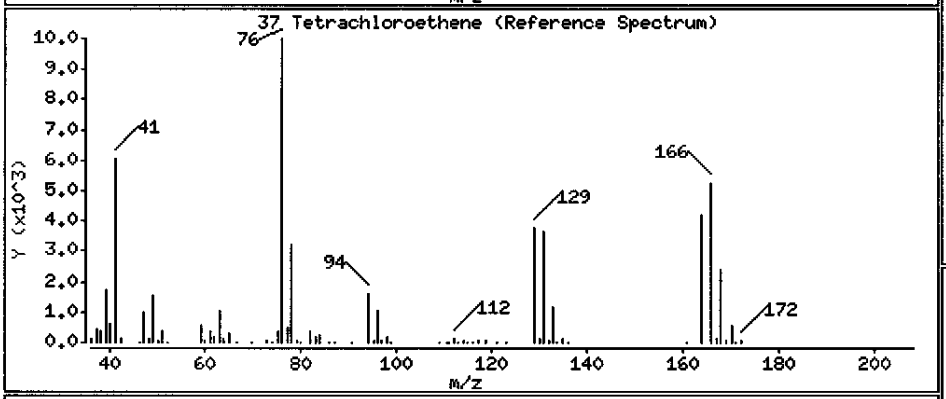
Column diameter: 0.25

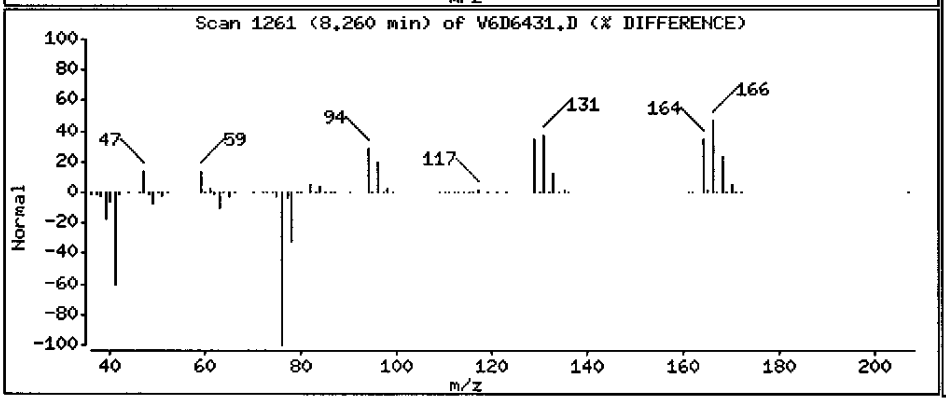
37 Tetrachloroethene

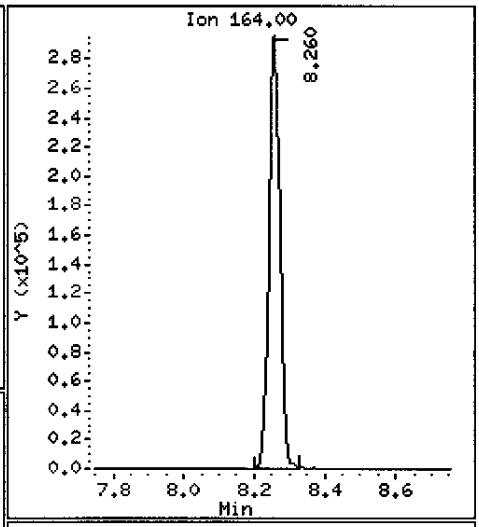
Concentration: 1200 ug/L

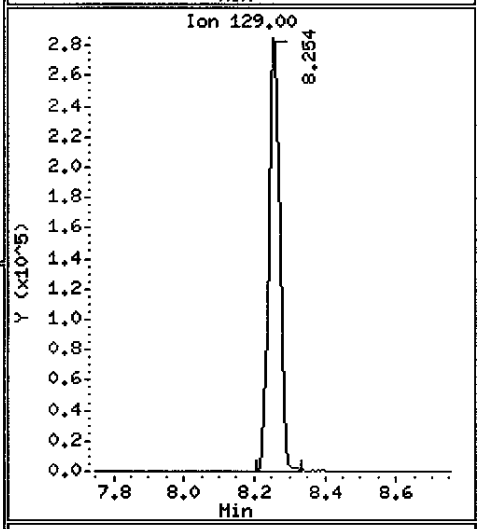


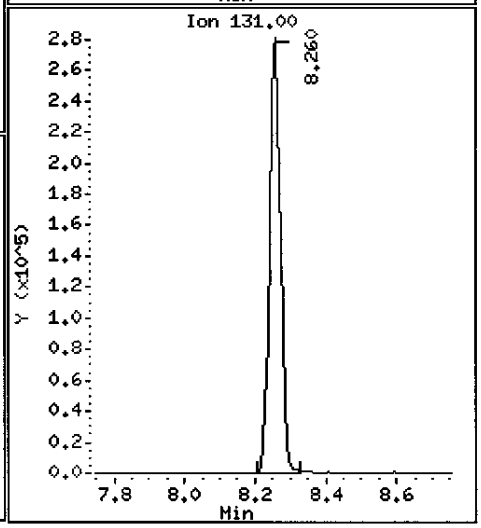












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-05

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6406

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-05

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6406

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	2	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

MW-05

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6406

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
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16.					
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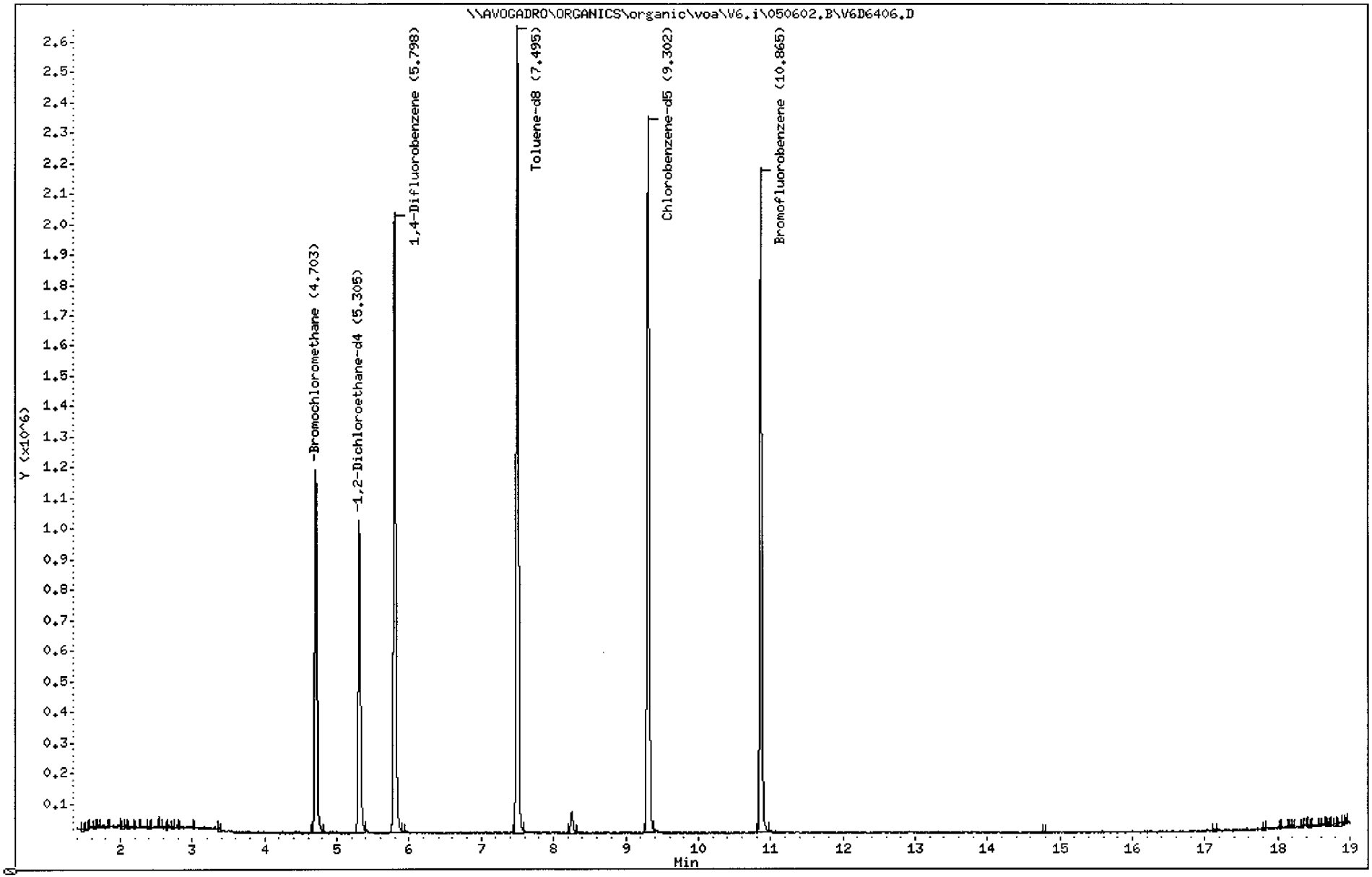
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6406.D
Date : 02-JUN-2005 18:05
Client ID: MW-05
Instrument: V6.i
Sample Info: ,D0618-04A,MW-05,18358
Purge Volume: 5.0
Operator: SB SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



0082

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6406.D
Report Date: 22-Jun-2005 16:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6406.D
Lab Smp Id: D0618-04A Client Smp ID: MW-05
Inj Date : 02-JUN-2005 18:05
Operator : SB SRC: LIMS Inst ID: V6.i
Smp Info : ,D0618-04A,MW-05,18358
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
*	18 Bromochloromethane	128	4.703	4.695	(1.000)	391080	50.0000	
$	23 1,2-Dichloroethane-d4	65	5.305	5.303	(1.128)	892817	41.1647	41
*	26 1,4-Difluorobenzene	114	5.798	5.796	(1.000)	1872677	50.0000	
$	33 Toluene-d8	98	7.495	7.493	(0.806)	2053125	45.6193	46
	37 Tetrachloroethene	164	8.256	8.253	(0.888)	18665	1.78842	2(a)
*	42 Chlorobenzene-d5	117	9.302	9.306	(1.000)	1737262	50.0000	
$	50 Bromofluorobenzene	95	10.859	10.857	(1.167)	832008	45.0609	45

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

KC 6/22/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6406.D
Report Date: 22-Jun-2005 16:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6406.D
Lab Smp Id: D0618-04A Client Smp ID: MW-05
Inj Date : 02-JUN-2005 18:05
Operator : SB SRC: LIMS Inst ID: V6.i
Smp Info : ,D0618-04A,MW-05,18358
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6406.D

Date : 02-JUN-2005 18:05

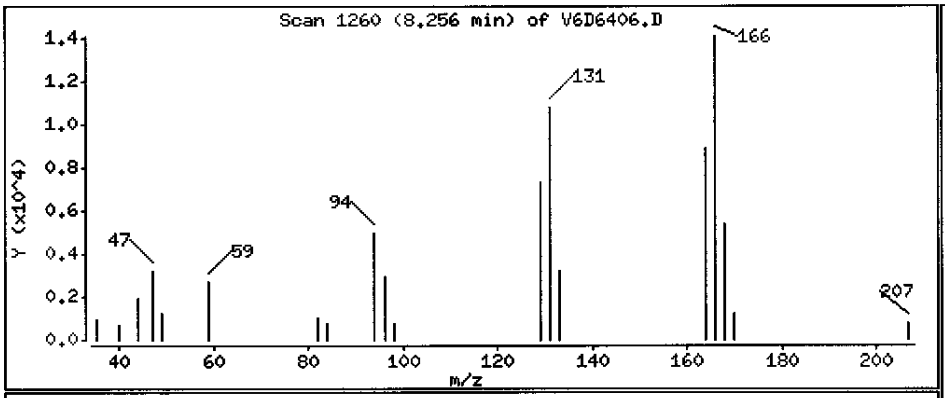
Client ID: MW-05 Instrument: V6.i

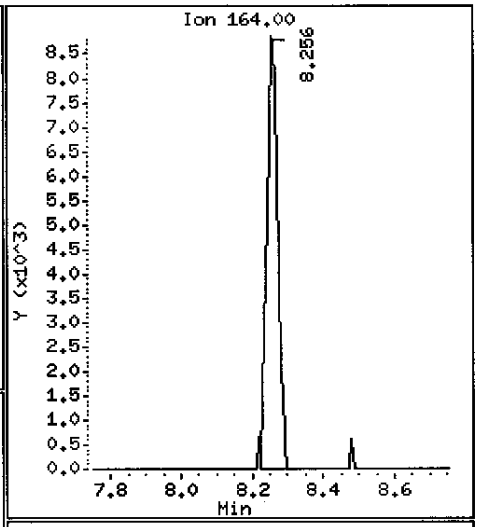
Sample Info: ,D0618-04A,MW-05,18358

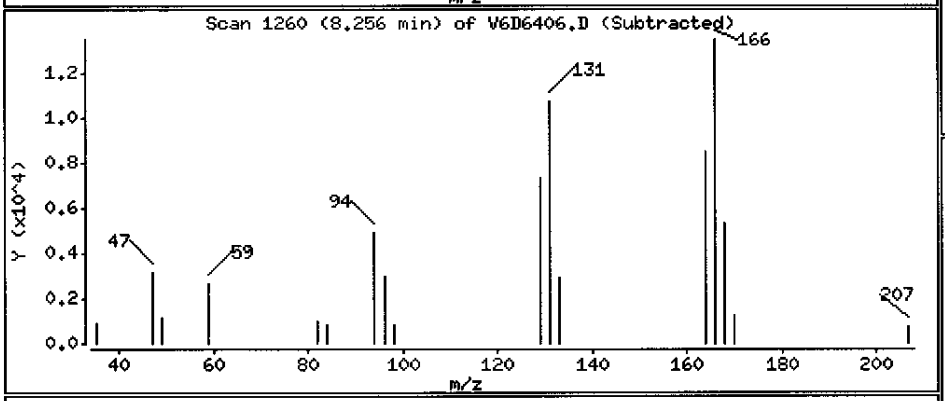
Purge Volume: 5.0 Operator: SB SRC: LIMS

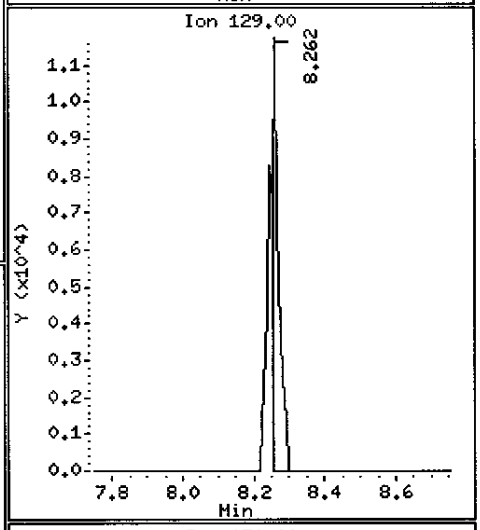
Column phase: DB-624 Column diameter: 0.25

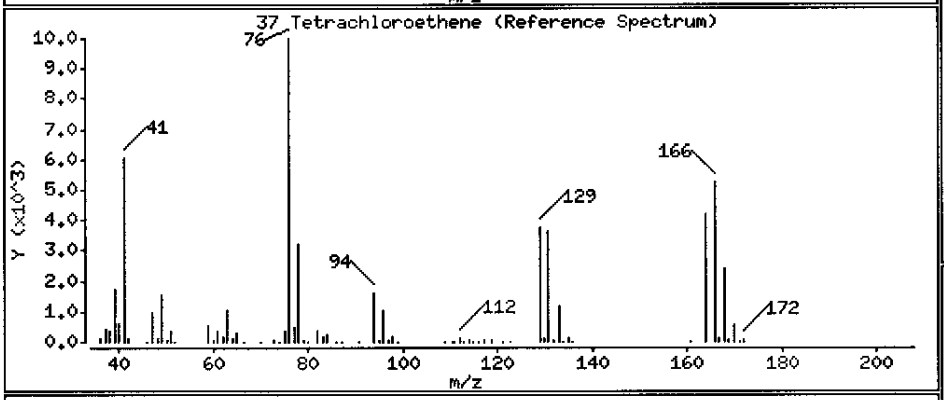
37 Tetrachloroethene Concentration: 2 ug/L

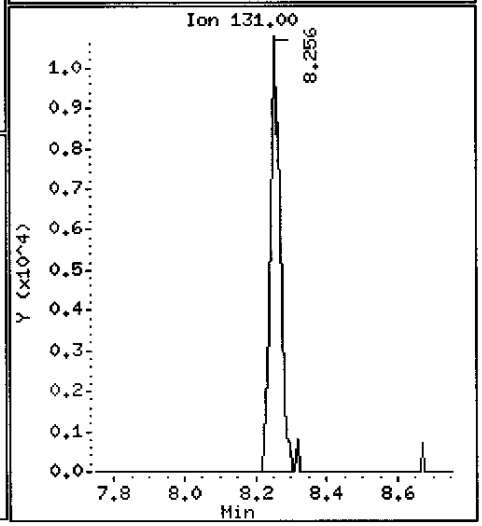


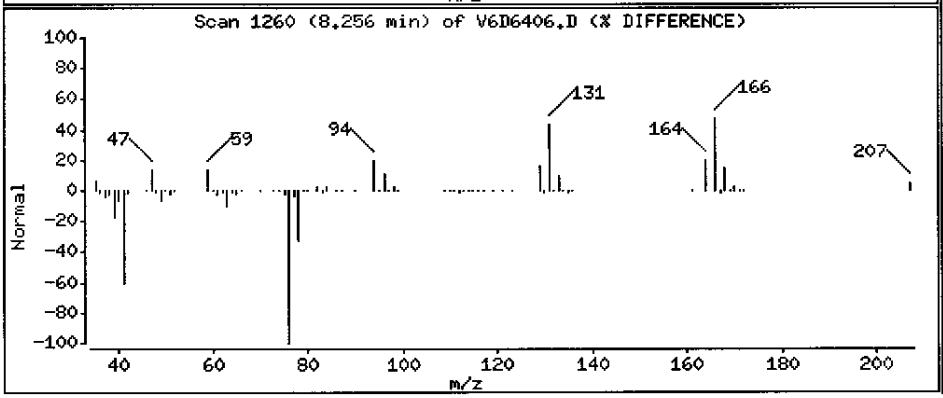












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-06

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6407

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-06

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6407

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	1	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	770	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

MW-06

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6407

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
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9.					
10.					
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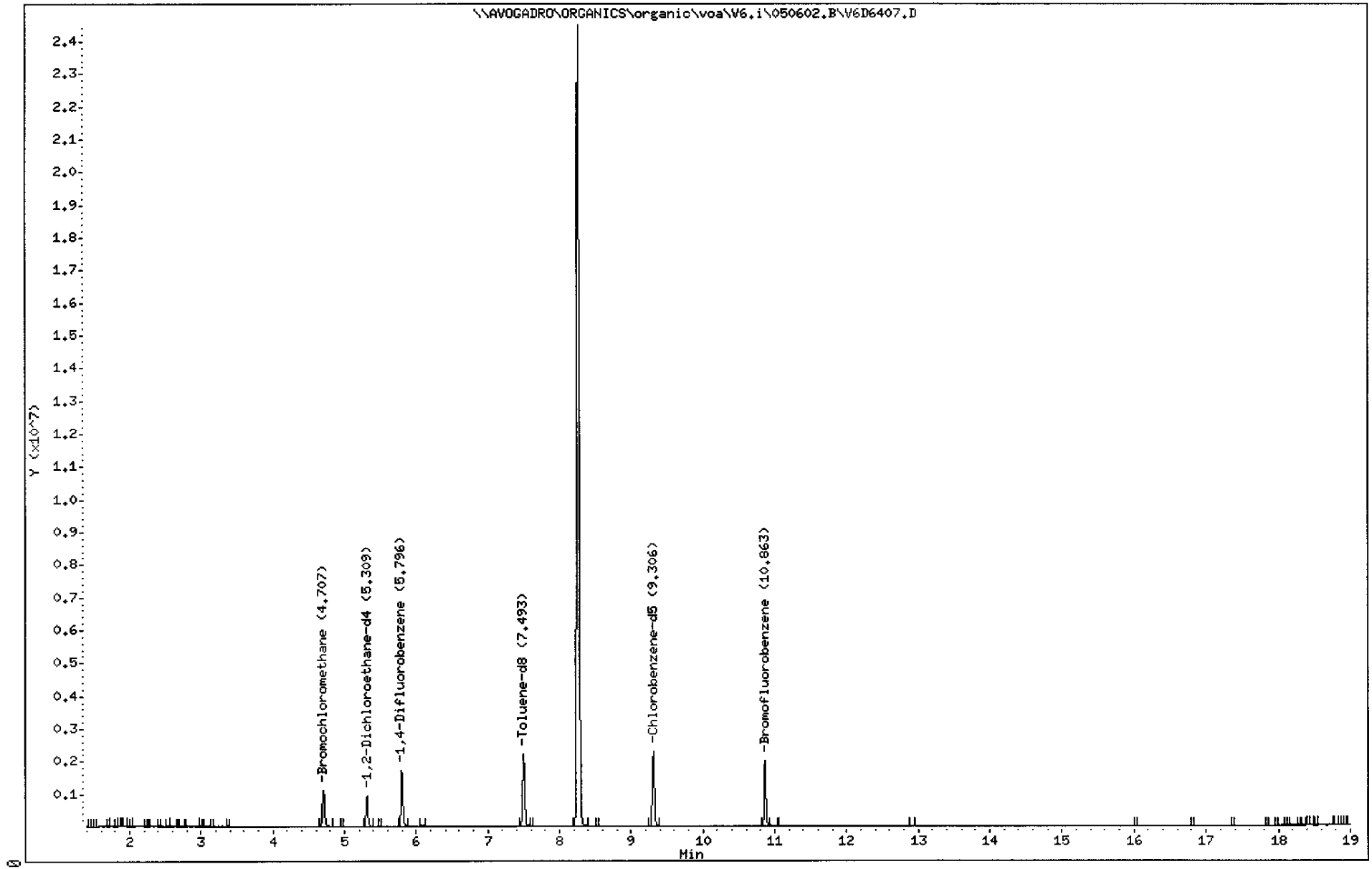
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6407.D
Date : 02-JUN-2005 18:32
Client ID: MW-06
Instrument: V6.i
Sample Info: ,D0618-05A,MW-06,18358
Purge Volume: 5.0
Operator: SB SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



6800

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6407.D
Report Date: 22-Jun-2005 16:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6407.D
Lab Smp Id: D0618-05A Client Smp ID: MW-06
Inj Date : 02-JUN-2005 18:32
Operator : SB SRC: LIMS Inst ID: V6.i
Smp Info : ,D0618-05A,MW-06,18358
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	4.707	4.695	(1.000)	360040	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.309	5.303	(1.128)	824172	41.2758	41
* 26 1,4-Difluorobenzene	114	5.796	5.796	(1.000)	1542314	50.0000	
27 Trichloroethene	130	6.094	6.088	(1.051)	14773	1.32058	1(a)
$ 33 Toluene-d8	98	7.493	7.493	(0.805)	1743610	41.8490	42(R)
37 Tetrachloroethene	164	8.259	8.253	(0.888)	7461493	772.273	770(A)
* 42 Chlorobenzene-d5	117	9.306	9.306	(1.000)	1608285	50.0000	
$ 50 Bromofluorobenzene	95	10.863	10.857	(1.167)	782631	45.7858	46

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

KL 6/22/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6407.D
Report Date: 22-Jun-2005 16:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6407.D
Lab Smp Id: D0618-05A Client Smp ID: MW-06
Inj Date : 02-JUN-2005 18:32
Operator : SB SRC: LIMS Inst ID: V6.i
Smp Info : ,D0618-05A,MW-06,18358
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6407.D

Date : 02-JUN-2005 18:32

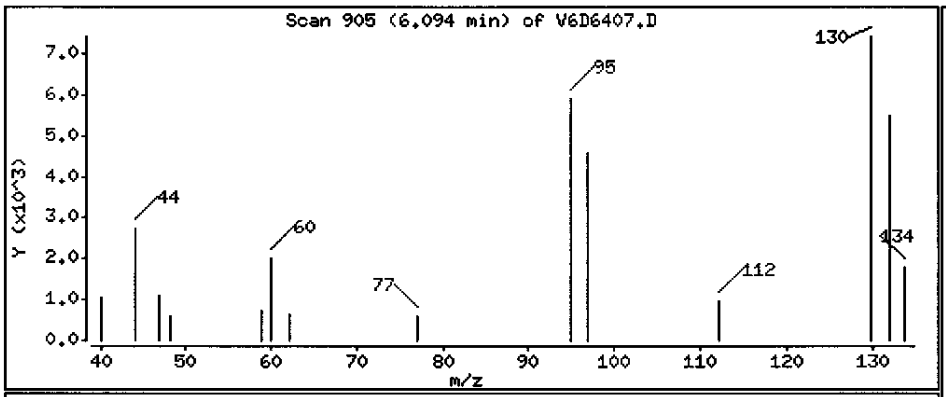
Client ID: MW-06 Instrument: V6.i

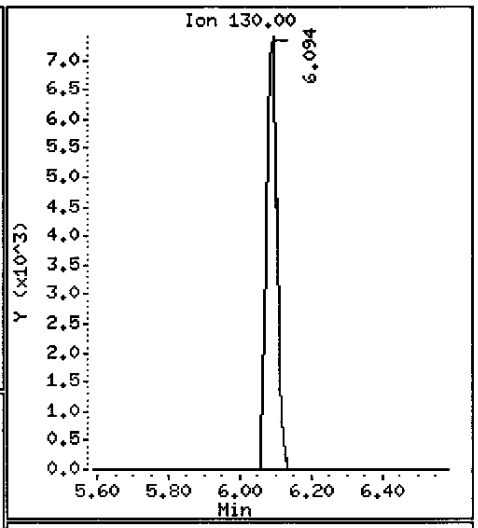
Sample Info: ,D0618-05A,MW-06,18358

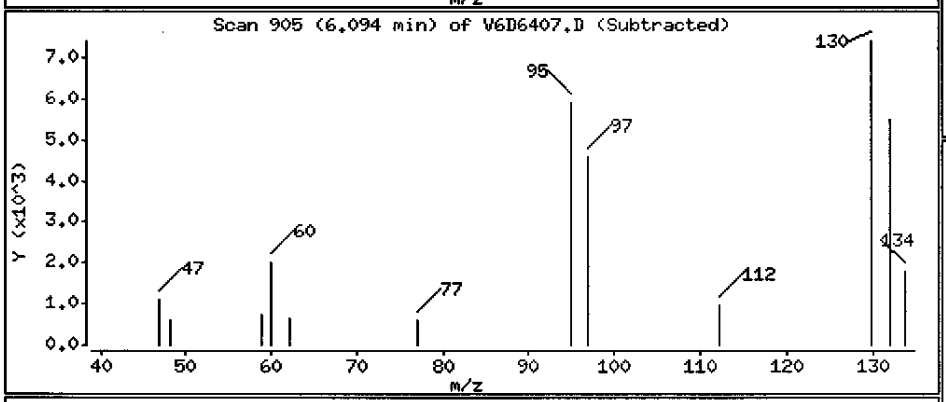
Purge Volume: 5.0 Operator: SB SRC: LIMS

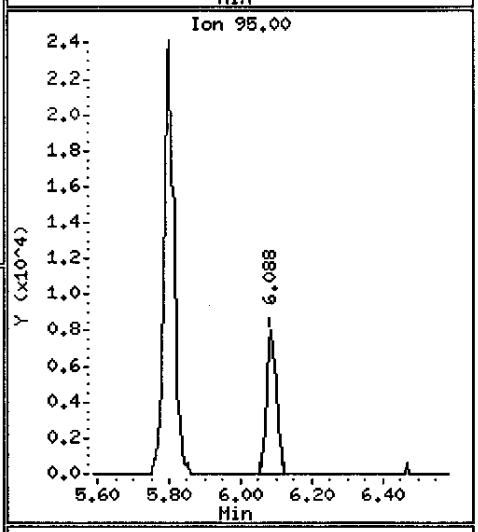
Column phase: DB-624 Column diameter: 0.25

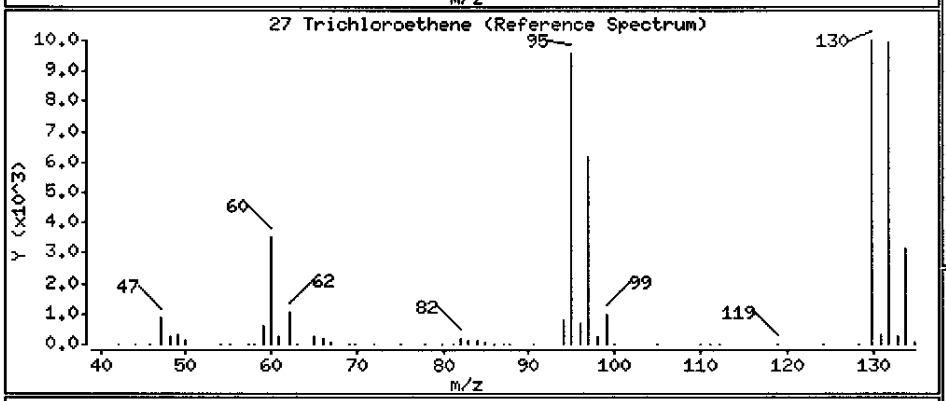
27 Trichloroethene Concentration: 1 ug/L

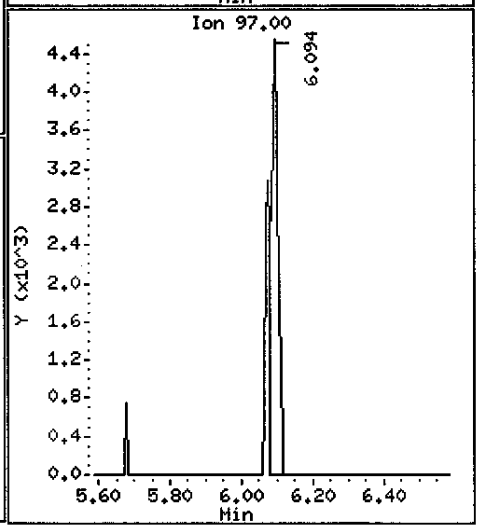


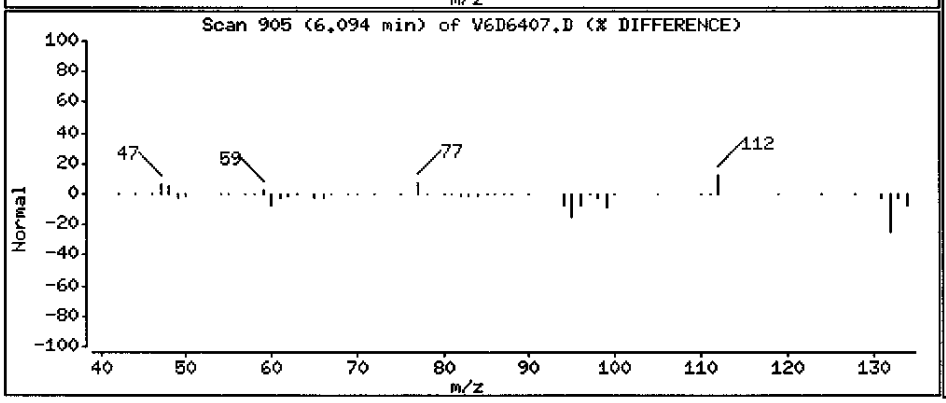












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6407.D

Date : 02-JUN-2005 18:32

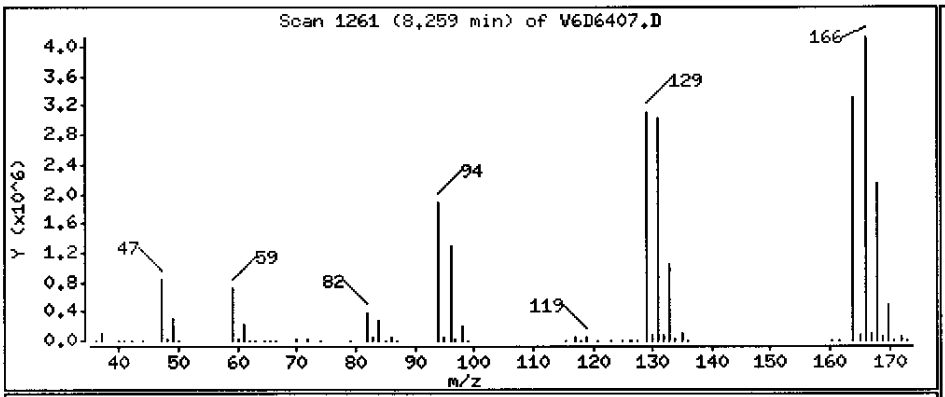
Client ID: MW-06 Instrument: V6.i

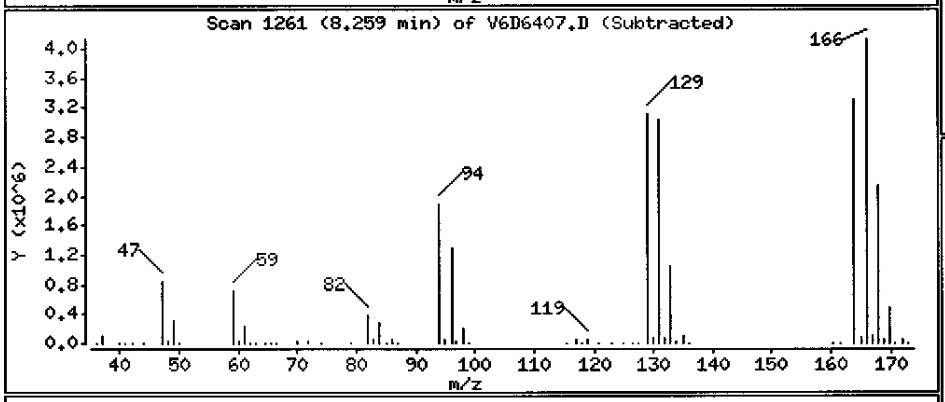
Sample Info: ,D0618-05A,MW-06,18358

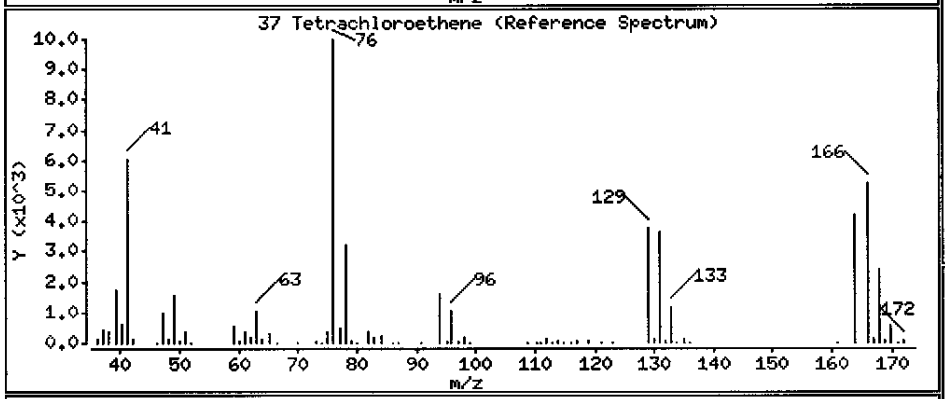
Purge Volume: 5.0 Operator: SB SRC: LIMS

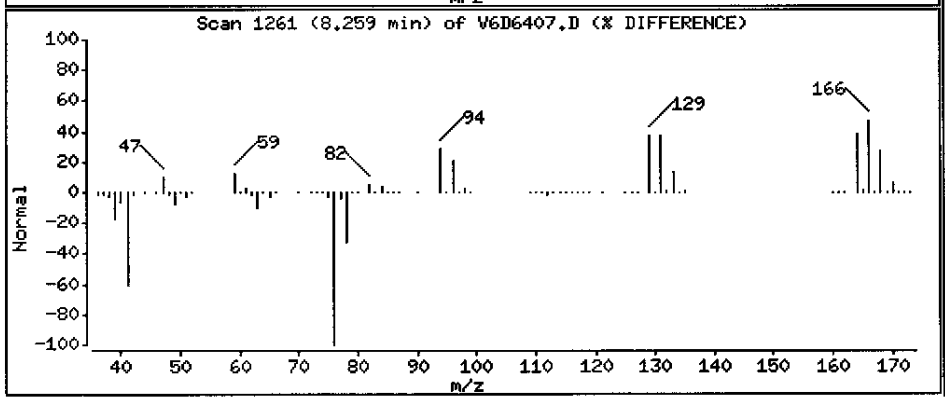
Column phase: DB-624 Column diameter: 0.25

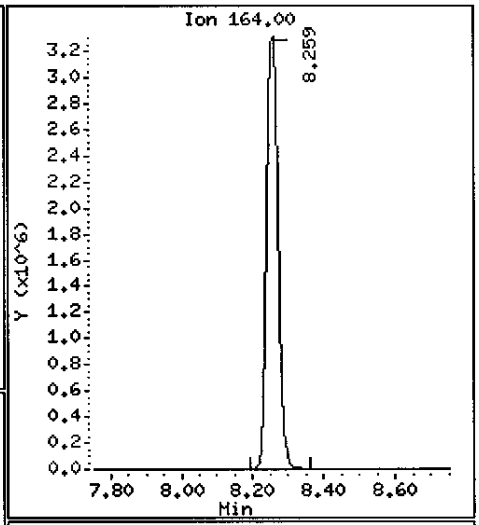
37 Tetrachloroethene Concentration: 770 ug/L

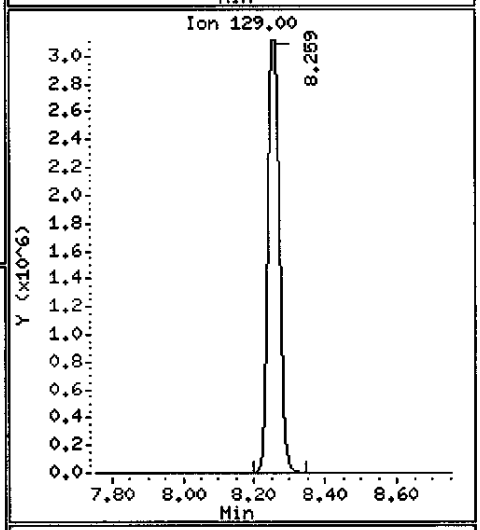


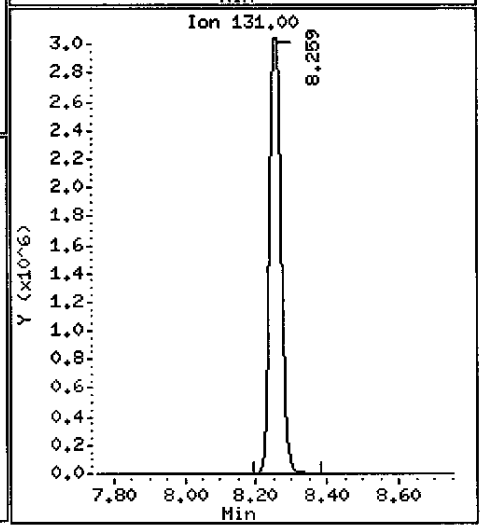












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-06DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6429

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl Chloride	100	U
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	100	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	100	U
67-64-1	Acetone	100	U
75-15-0	Carbon Disulfide	100	U
79-20-9	Methyl Acetate	100	U
75-09-2	Methylene Chloride	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
1634-04-4	Methyl tert-Butyl Ether	100	U
75-34-3	1,1-Dichloroethane	100	U
156-59-2	cis-1,2-Dichloroethene	100	U
78-93-3	2-Butanone	100	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
110-82-7	Cyclohexane	100	U
56-23-5	Carbon Tetrachloride	100	U
71-43-2	Benzene	100	U
107-06-2	1,2-Dichloroethane	100	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-06DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6429

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	100	U
108-87-2	Methylcyclohexane	100	U
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-Pentanone	100	U
108-88-3	Toluene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	620	D
591-78-6	2-Hexanone	100	U
124-48-1	Dibromochloromethane	100	U
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
1330-20-7	Xylene (Total)	100	U
100-42-5	Styrene	100	U
75-25-2	Bromoform	100	U
98-82-8	Isopropylbenzene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U

1F

EPA SAMPLE NO.

MW-06DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6429

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

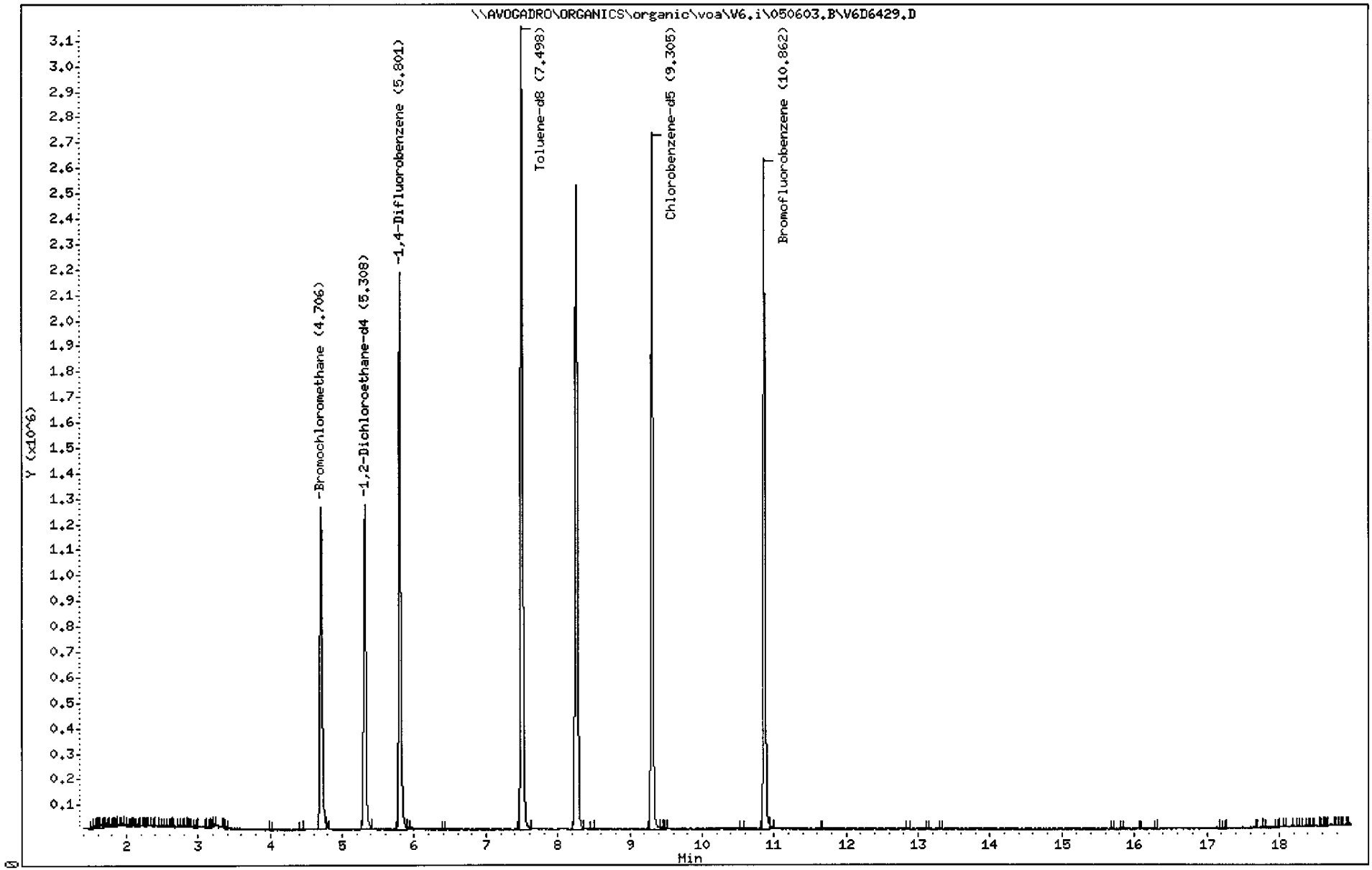
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6429.D
Date : 03-JUN-2005 17:18
Client ID: MW-06DL
Instrument: V6.i
Sample Info: ,D0618-05ADL,18379,10X
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6429.D
Report Date: 22-Jun-2005 17:02

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6429.D
Lab Smp Id: D0618-05ADL Client Smp ID: MW-06DL
Inj Date : 03-JUN-2005 17:18
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-05ADL,18379,10X
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\v6clp4s.m
Meth Date : 06-Jun-2005 09:32 mtl Quant Type: ISTD
Cal Date : 03-JUN-2005 11:51 Cal File: V6D6421.D ✓
Als bottle: 9
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	10.000	Dilution Factor ✓
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	18 Bromochloromethane	128	4.705	4.699	(1.000)	397696	50.0000	
$	23 1,2-Dichloroethane-d4	65	5.308	5.301	(1.128)	1150192	50.7401	51
*	26 1,4-Difluorobenzene	114	5.801	5.794	(1.000)	1892397	50.0000	
$	33 Toluene-d8	98	7.498	7.492	(0.806)	2396660	48.8213	49
	37 Tetrachloroethene	164	8.258	8.252	(0.888)	693217	61.6359	620
*	42 Chlorobenzene-d5	117	9.305	9.304	(1.000)	1807380	50.0000	
$	50 Bromofluorobenzene	95	10.862	10.862	(1.167)	1002742	49.0732	49

KL
6/22/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6429.D
Report Date: 22-Jun-2005 17:02

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6429.D
Lab Smp Id: D0618-05ADL Client Smp ID: MW-06DL
Inj Date : 03-JUN-2005 17:18
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-05ADL,18379,10X
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\v6clp4s.m
Meth Date : 06-Jun-2005 09:32 mtl Quant Type: ISTD
Cal Date : 03-JUN-2005 11:51 Cal File: V6D6421.D
Als bottle: 9
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6429.D

Date : 03-JUN-2005 17:18

Client ID: MW-06DL

Instrument: V6.i

Sample Info: ,D0618-05ADL,18379,10X

Purge Volume: 5.0

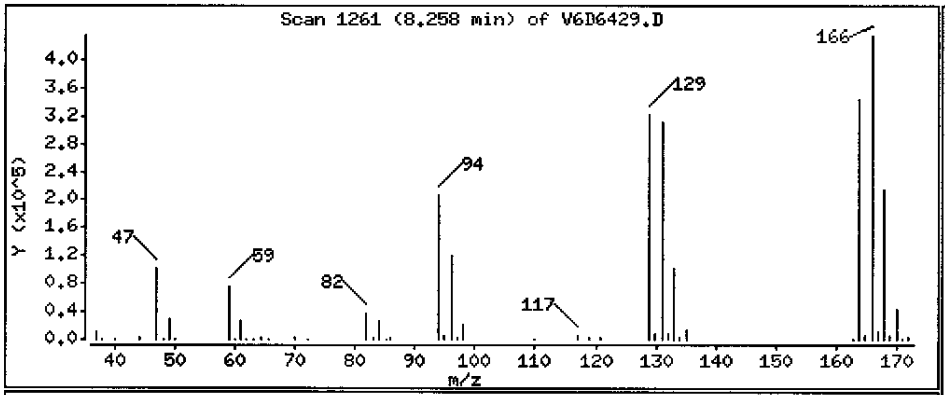
Operator: SB SRC: SB

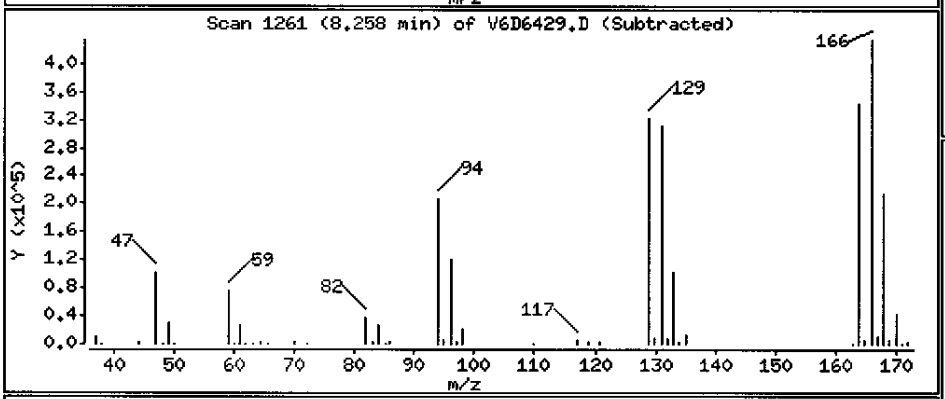
Column phase: DB-624

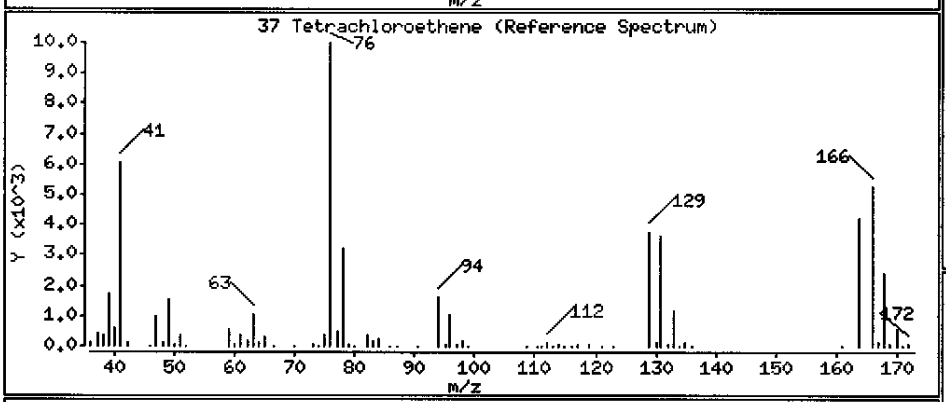
Column diameter: 0.25

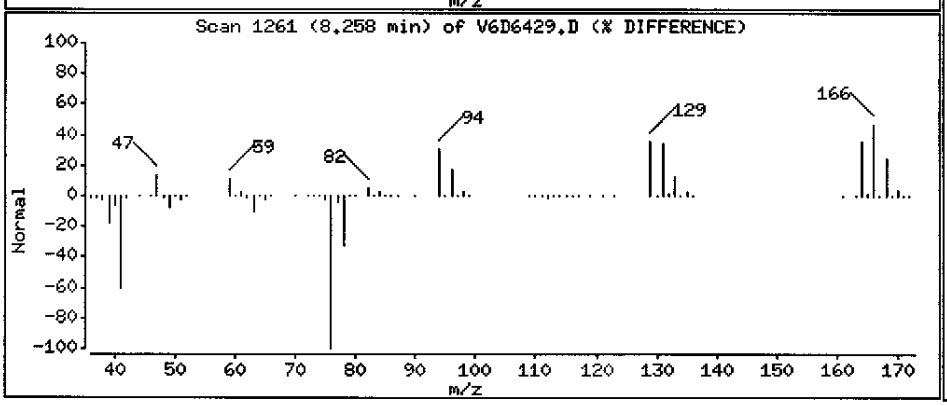
37 Tetrachloroethene

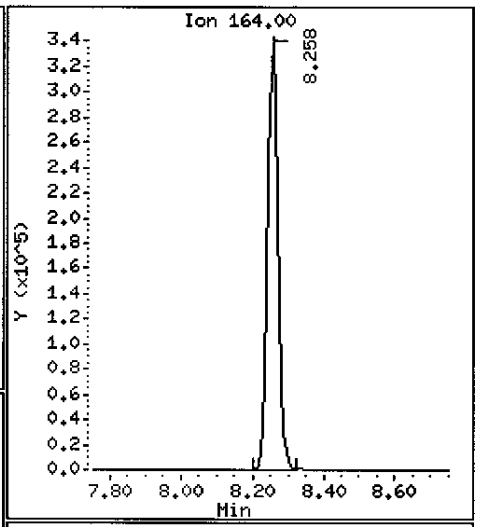
Concentration: 620 ug/L

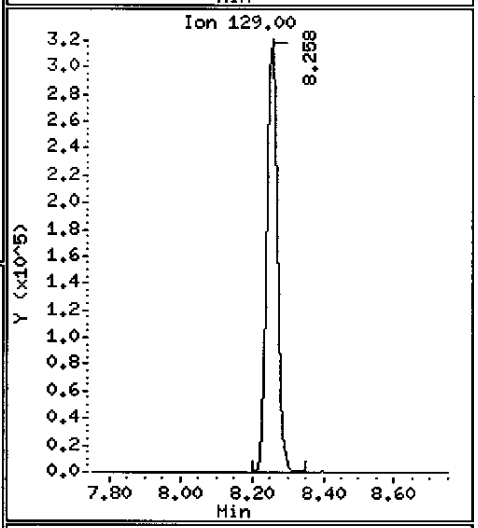


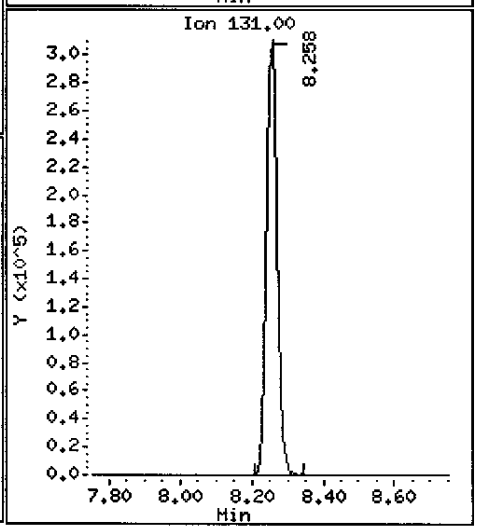












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6408

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	830	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	32	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	61	
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	4	J
156-59-2	cis-1,2-Dichloroethene	2700	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	2	J
71-55-6	1,1,1-Trichloroethane	13	
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6408

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	2200	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	2	J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	3200	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	1	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

MW-07

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6408

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

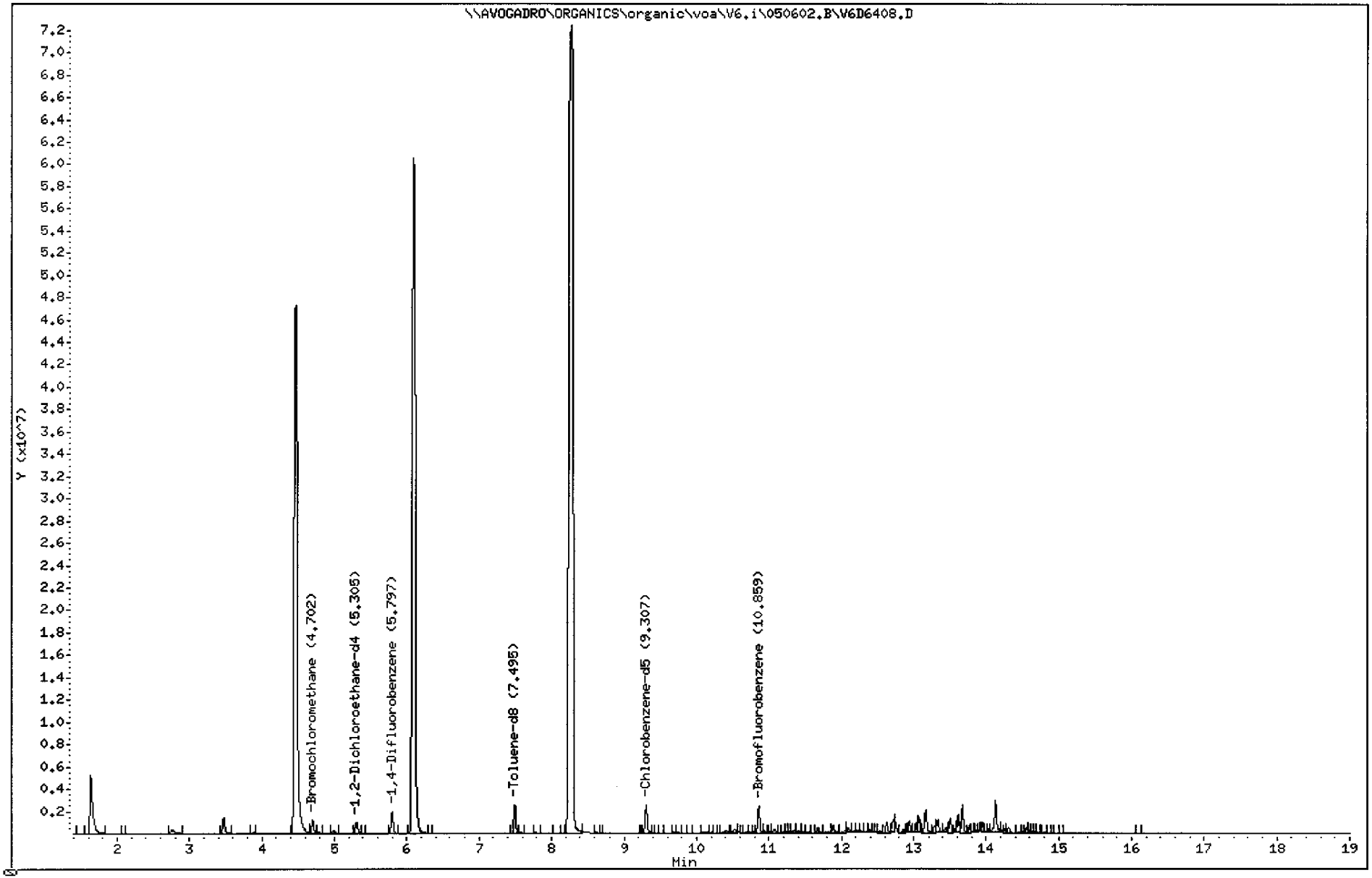
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 26 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	10.41	8	J
2.		UNKNOWN	10.52	9	J
3.		UNKNOWN	11.08	7	J
4.		UNKNOWN	11.35	6	J
5.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	11.67	9	NJ
6.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.89	15	NJ
7.		UNKNOWN	12.06	6	J
8.	1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	12.09	9	NJ
9.	141-93-5	BENZENE, 1,3-DIETHYL-	12.63	17	NJ
10.		UNKNOWN	12.72	23	J
11.	135-01-3	BENZENE, 1,2-DIETHYL-	12.86	7	NJ
12.	1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	12.95	19	NJ
13.	1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	13.05	16	NJ
14.	527-84-4	BENZENE, 1-METHYL-2-(1-METHY	13.08	26	NJ
15.	535-77-3	BENZENE, 1-METHYL-3-(1-METHY	13.16	36	NJ
16.		UNKNOWN	13.28	11	J
17.		UNKNOWN	13.33	27	J
18.	2050-24-0	BENZENE, 1,3-DIETHYL-5-METHY	13.44	8	NJ
19.	527-84-4	BENZENE, 1-METHYL-2-(1-METHY	13.50	24	NJ
20.	527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	13.61	24	NJ
21.	95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	13.67	42	NJ
22.		UNKNOWN	13.77	12	J
23.	768-00-3	BENZENE, (1-METHYL-1-PROPENY	13.96	15	NJ
24.	824-90-8	1-PHENYL-1-BUTENE	14.13	60	NJ
25.	119-64-2	NAPHTHALENE, 1,2,3,4-TETRAHY	14.31	11	NJ
26.		UNKNOWN	14.56	8	J
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D
Date : 02-JUN-2005 19:00
Client ID: MW-07
Instrument: V6.i
Sample Info: ,D0618-06A,MW-06,18358
Purge Volume: 5.0
Operator: SB SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D
Report Date: 22-Jun-2005 16:52

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D
Lab Smp Id: D0618-06A Client Smp ID: MW-07
Inj Date : 02-JUN-2005 19:00
Operator : SB SRC: LIMS Inst ID: V6.i
Smp Info : ,D0618-06A,MW-06,18358
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
3	Vinyl Chloride	62	1.630	1.635	(0.347)	8324706	828.696	830(A)
7	1,1-Dichloroethene	96	2.762	2.754	(0.587)	283065	32.4306	32
13	trans-1,2-Dichloroethene	96	3.473	3.472	(0.739)	648705	60.5621	61
15	1,1-Dichloroethane	63	3.881	3.873	(0.825)	81102	3.82895	4(a)
17	cis-1,2-Dichloroethene	96	4.465	4.457	(0.950)	28698160	2704.00	2700(AQ)
* 18	Bromochloromethane	128	4.702	4.695	(1.000)	375891	50.0000	
19	Chloroform	83	4.800	4.786	(1.021)	47917	2.05555	2(a)
20	1,1,1-Trichloroethane	97	4.988	4.981	(0.860)	209490	12.7514	13
$ 23	1,2-Dichloroethane-d4	65	5.305	5.303	(1.128)	866972	41.5883	42
* 26	1,4-Difluorobenzene	114	5.797	5.796	(1.000)	1738461	50.0000	
27	Trichloroethene	130	6.089	6.088	(1.050)	27897519	2212.43	2200(A)
$ 33	Toluene-d8	98	7.495	7.493	(0.805)	2031878	44.6834	45
34	Toluene	91	7.574	7.572	(0.814)	95698	2.05204	2(a)
37	Tetrachloroethene	164	8.273	8.253	(0.889)	33709546	3196.76	3200(A)
* 42	Chlorobenzene-d5	117	9.307	9.306	(1.000)	1755298	50.0000	
43	Chlorobenzene	112	9.350	9.342	(1.005)	37980	1.11367	1(a)

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D
Report Date: 22-Jun-2005 16:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 50 Bromofluorobenzene	95	10.859	10.857	(1.167)	896440	48.0516	48

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

KC
6/22/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D
Report Date: 22-Jun-2005 16:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D
Lab Smp Id: D0618-06A Client Smp ID: MW-07
Inj Date : 02-JUN-2005 19:00
Operator : SB SRC: LIMS Inst ID: V6.i
Smp Info : ,D0618-06A,MW-06,18358
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

ISTD	RT	AREA	AMOUNT
* 42 Chlorobenzene-d5	9.307	5225375	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.409	792731	7.58539818	8	0		0	42
Unknown				CAS #:			
10.524	902947	8.64002105	9	0		0	42
Unknown				CAS #:			
11.084	686010	6.56421788	7	0		0	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D
Report Date: 22-Jun-2005 16:48

RT	AREA	CONCENTRATIONS ON-COL(ug/L)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
11.345	604683	5.78602493	6	0		0	42
Benzene, 1-ethyl-2-methyl-				CAS #: 611-14-3			
11.674	949556	9.08600818	9	91	NIST98.L	9127	42
Benzene, 1,2,3-trimethyl-				CAS #: 526-73-8			
11.887	1569547	15.0185106	15	91	NIST98.L	9123	42
Unknown				CAS #:			
12.057	631664	6.04419778	6	0		0	42
Benzene, 1-methyl-4-propyl-				CAS #: 1074-55-1			
12.094	910902	8.71613999	9	90	NIST98.L	14344	42
Benzene, 1,3-diethyl-				CAS #: 141-93-5			
12.629	1744222	16.6899218	17	95	NIST98.L	14331	42
Unknown				CAS #:			
12.720	2425746	23.2112145	23	0		0	42
Benzene, 1,2-diethyl-				CAS #: 135-01-3			
12.860	699557	6.69384494	7	93	NIST98.L	14329	42
Benzene, 1-methyl-4-propyl-				CAS #: 1074-55-1			
12.945	1964305	18.7958281	19	94	NIST98.L	14344	42
Benzene, 2-ethyl-1,4-dimethyl-				CAS #: 1758-88-9			
13.049	1660912	15.8927541	16	91	NIST98.L	14365	42
Benzene, 1-methyl-2-(1-methylethyl)-				CAS #: 527-84-4			
13.079	2691300	25.7522187	26	97	NIST98.L	14404	42
Benzene, 1-methyl-3-(1-methylethyl)-				CAS #: 535-77-3			
13.164	3768451	36.0591441	36	95	NIST98.L	14397	42
Unknown				CAS #:			
13.280	1136971	10.8793245	11	0		0	42
Unknown				CAS #:			
13.335	2842491	27.1989187	27	0		0	42
Benzene, 1,3-diethyl-5-methyl-				CAS #: 2050-24-0			
13.438	841980	8.05664665	8	94	NIST98.L	21830	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D
Report Date: 22-Jun-2005 16:48

RT	AREA	CONCENTRATIONS ON-COL(ug/L)	CONCENTRATIONS FINAL(ug/L)	QUAL	QUANT LIBRARY	QUANT LIB ENTRY	QUANT CPND #
Benzene, 1-methyl-2-(1-methylethyl)-					CAS #: 527-84-4		
13.499	2458182	23.5215846	24	94	NIST98.L	14406	42
Benzene, 1,2,3,5-tetramethyl-					CAS #: 527-53-7		
13.615	2524704	24.1581131	24	94	NIST98.L	14354	42
Benzene, 1,2,4,5-tetramethyl-					CAS #: 95-93-2		
13.669	4426596	42.3567304	42	97	NIST98.L	14361	42
Unknown					CAS #:		
13.767	1254456	12.0035021	12	0		0	42
Benzene, (1-methyl-1-propenyl)-, (E)-					CAS #: 768-00-3		
13.961	1578861	15.1076334	15	76	NIST98.L	13625	42
1-Phenyl-1-butene					CAS #: 824-90-8		
14.132	6246155	59.7675286	60	95	NIST98.L	13569	42
Naphthalene, 1,2,3,4-tetrahydro-					CAS #: 119-64-2		
14.314	1163310	11.1313542	11	93	NIST98.L	13613	42
Unknown					CAS #:		
14.557	861257	8.24110231	8	0		0	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D

Date : 02-JUN-2005 19:00

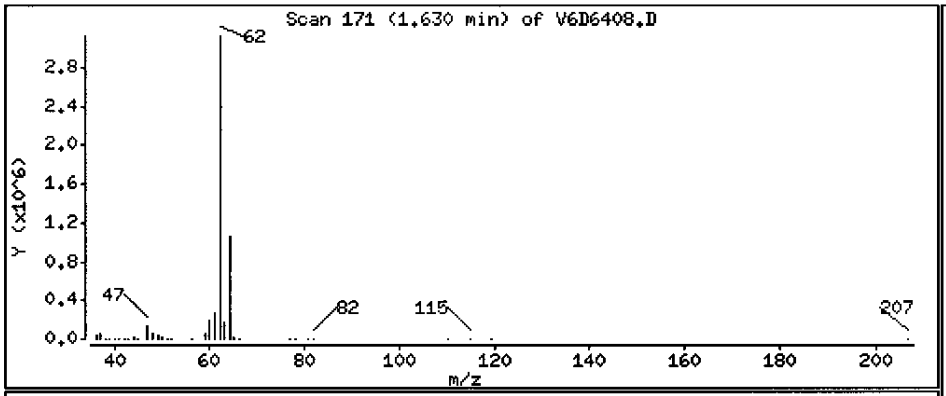
Client ID: MW-07 Instrument: V6.i

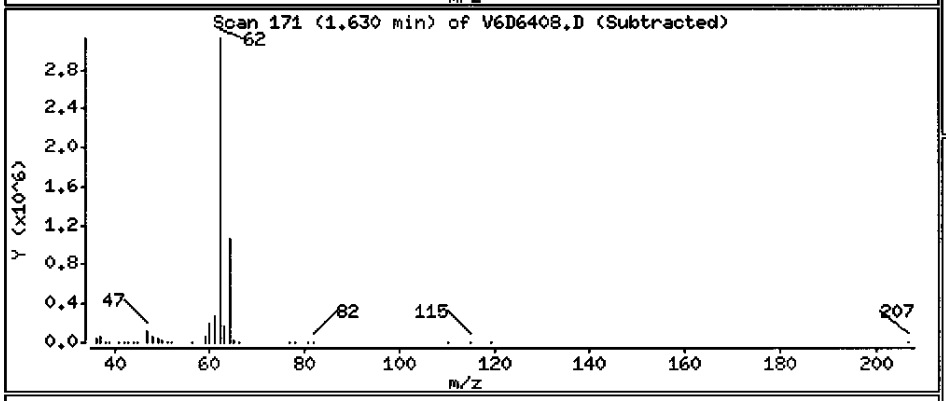
Sample Info: ,D0618-06A,MW-06,18358

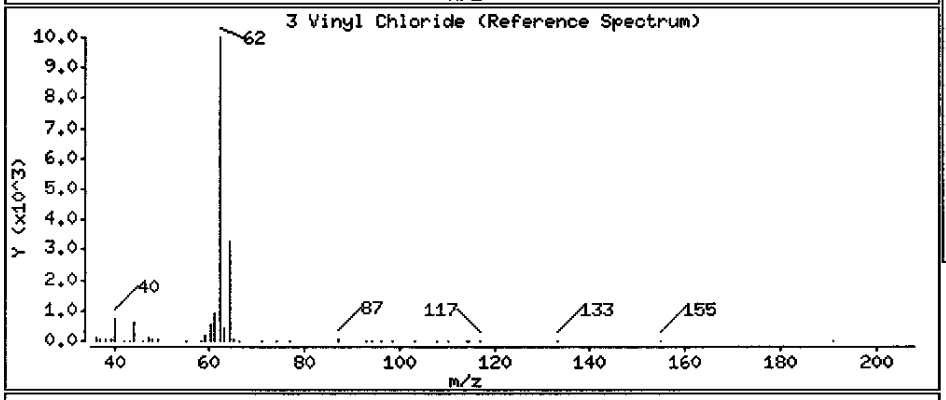
Purge Volume: 5.0 Operator: SB SRC: LIMS

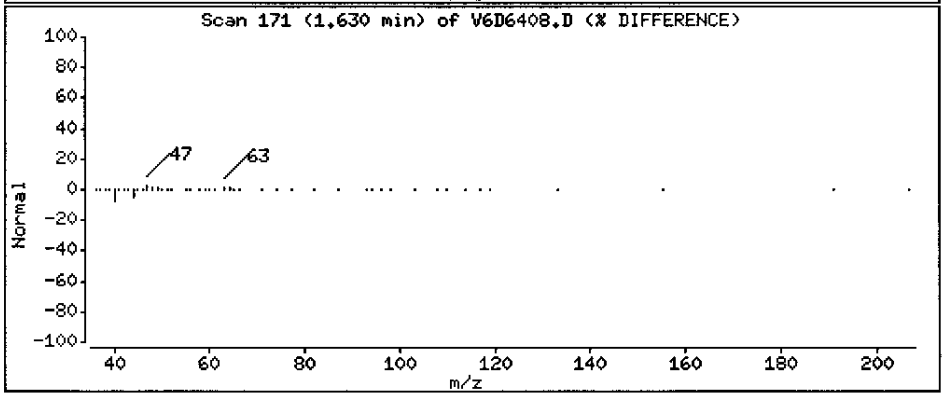
Column phase: DB-624 Column diameter: 0.25

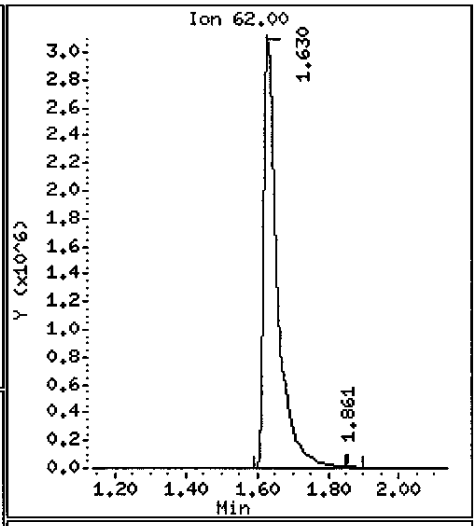
3 Vinyl Chloride Concentration: 830 ug/L

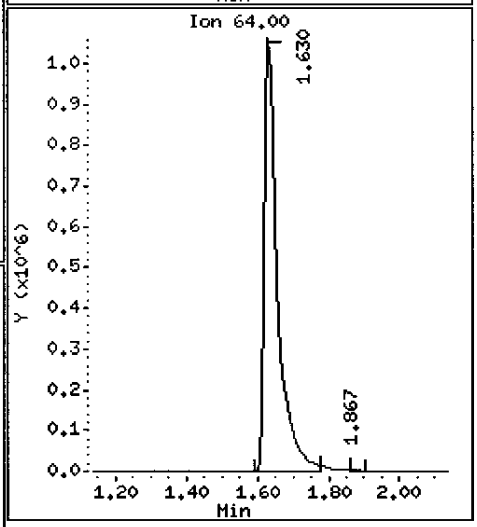












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D

Date : 02-JUN-2005 19:00

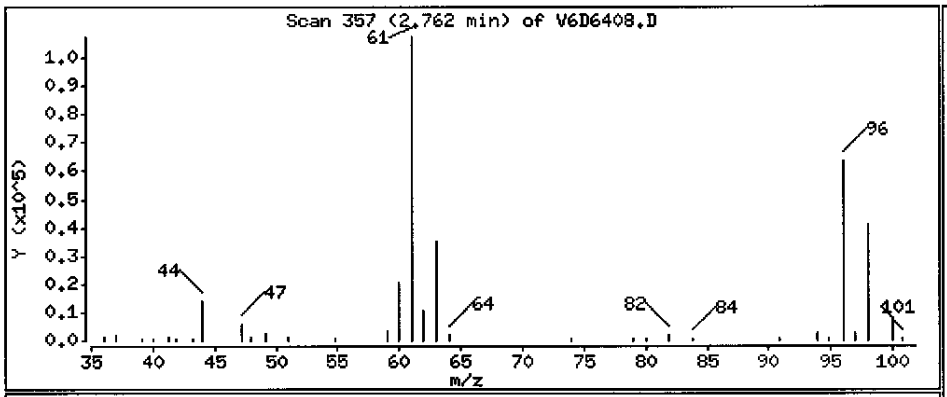
Client ID: MW-07 Instrument: V6.i

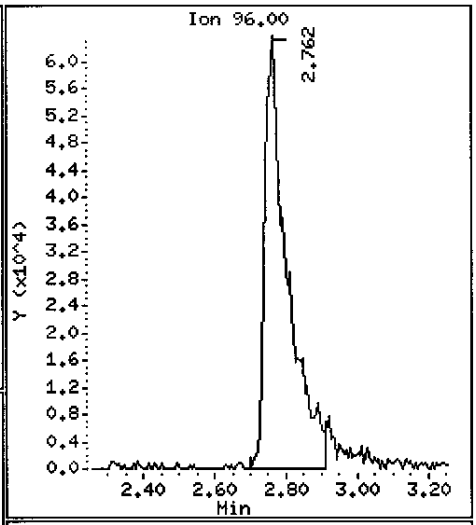
Sample Info: ,D0618-06A,MW-06,18358

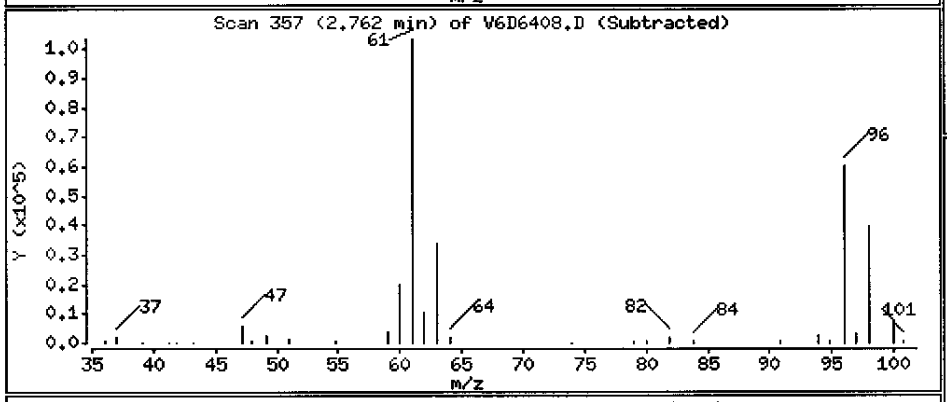
Purge Volume: 5.0 Operator: SB SRC: LIMS

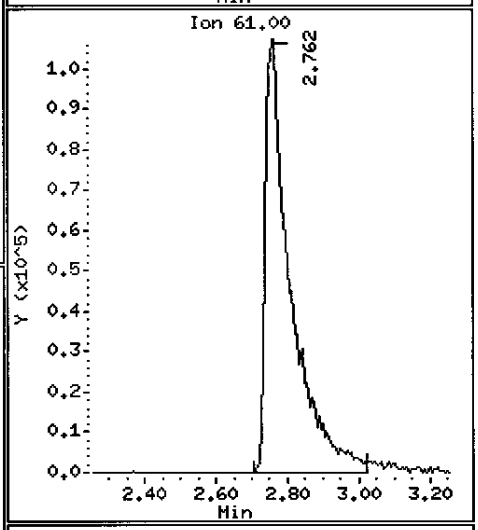
Column phase: DB-624 Column diameter: 0.25

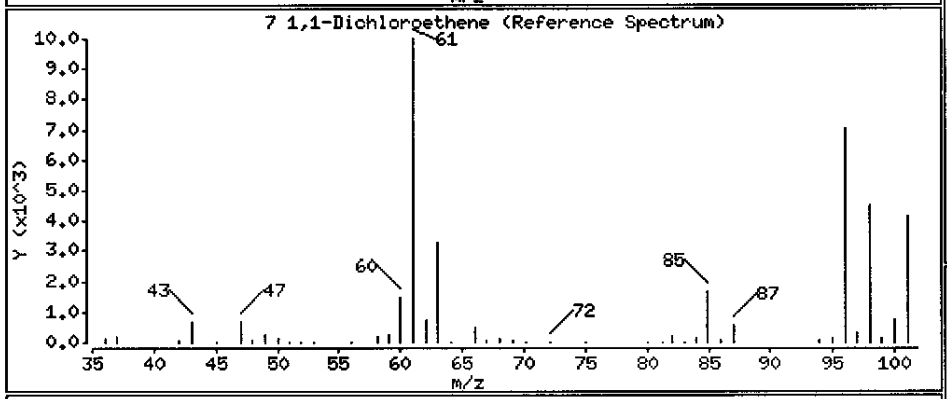
7 1,1-Dichloroethene Concentration: 32 ug/L

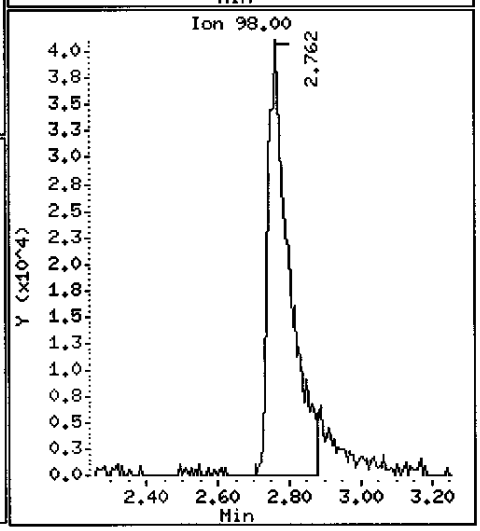


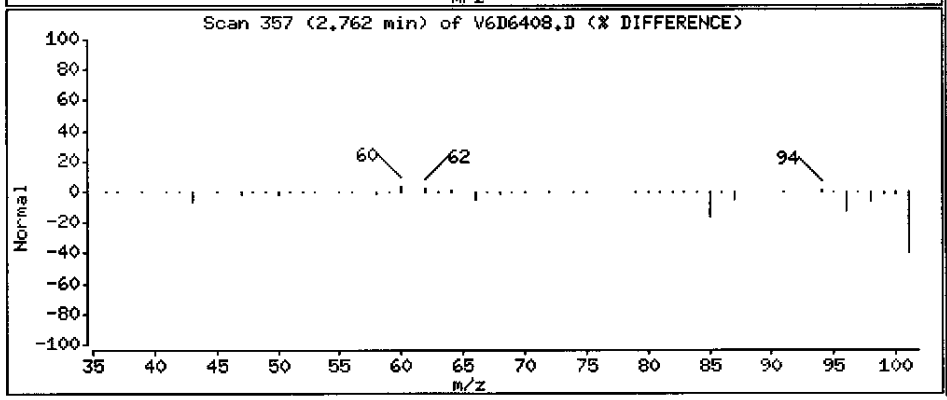












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D

Date : 02-JUN-2005 19:00

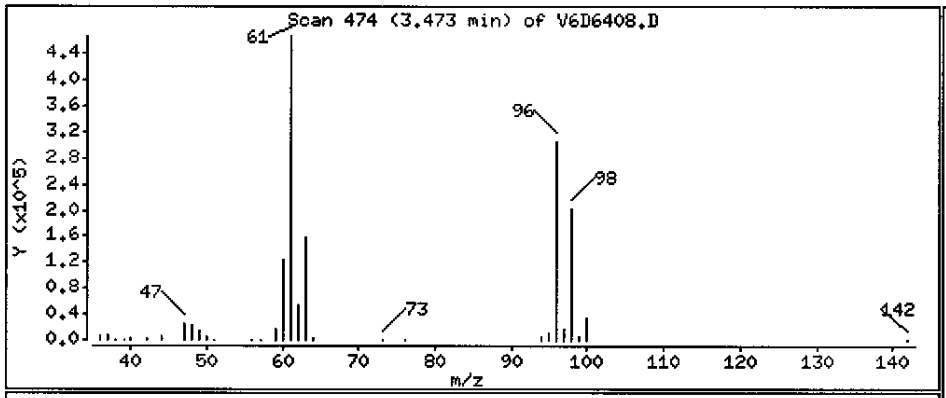
Client ID: MW-07 Instrument: V6.i

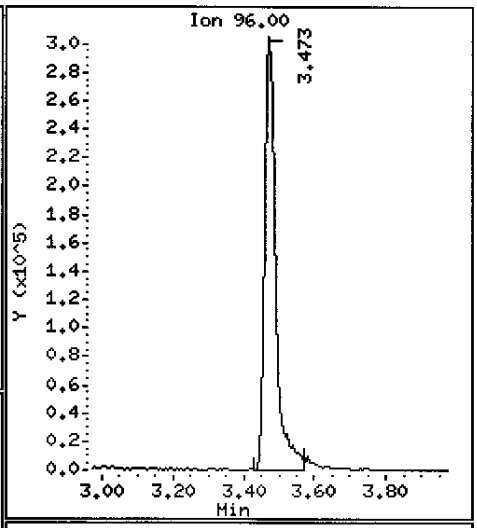
Sample Info: ,D0618-06A,MW-06,18358

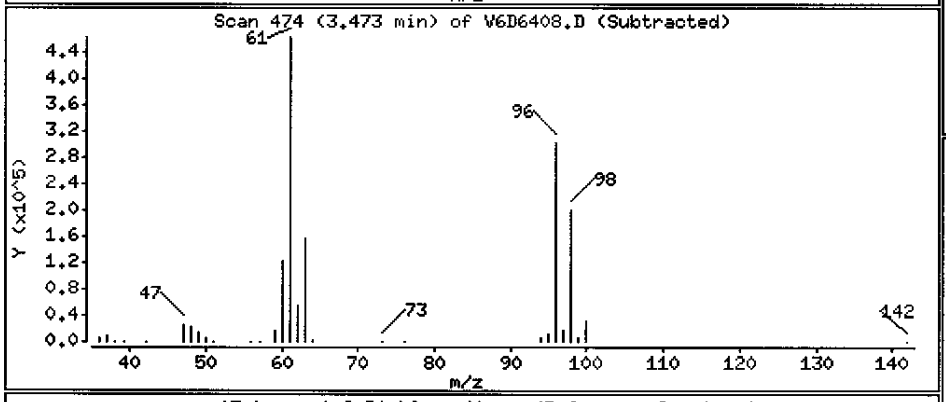
Purge Volume: 5.0 Operator: SB SRC: LIMS

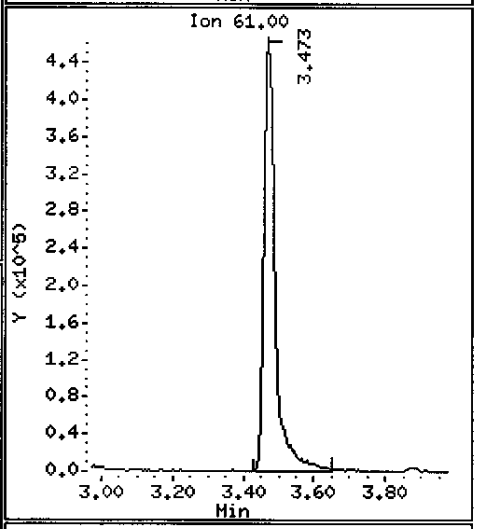
Column phase: DB-624 Column diameter: 0.25

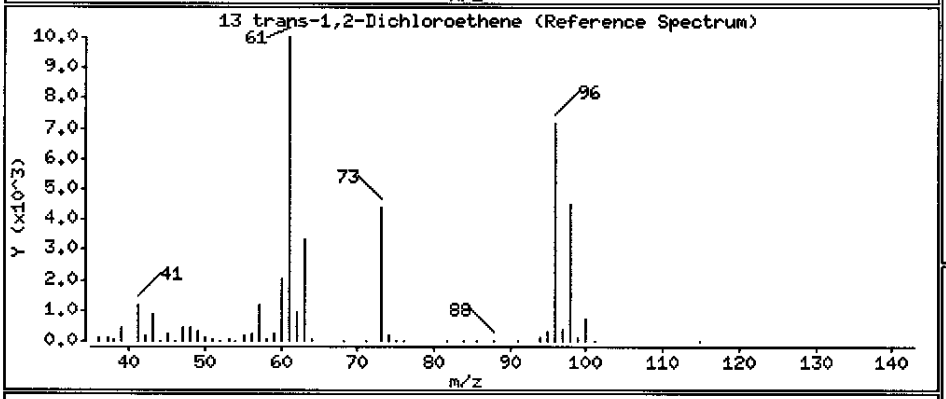
13 trans-1,2-Dichloroethene Concentration: 61 ug/L

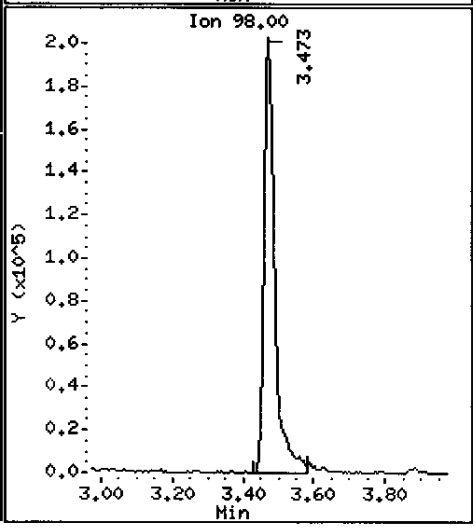


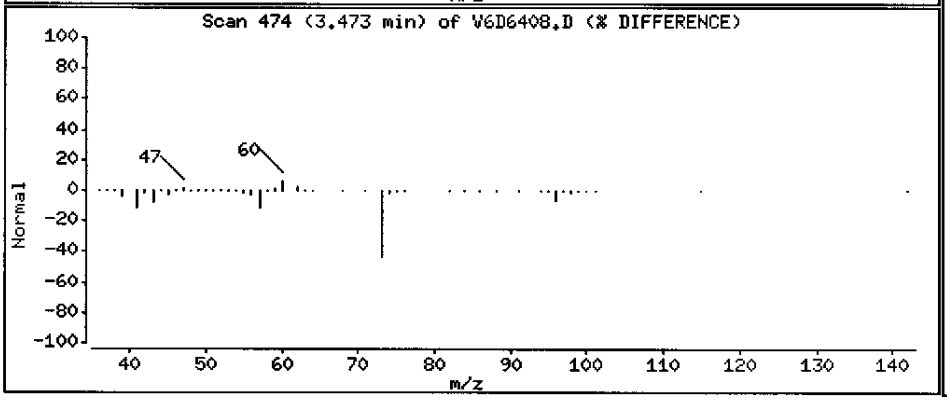












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D

Date : 02-JUN-2005 19:00

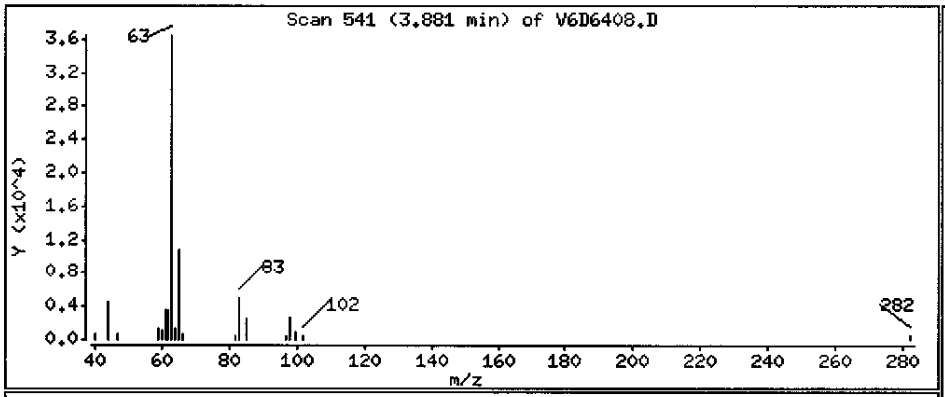
Client ID: MW-07 Instrument: V6.i

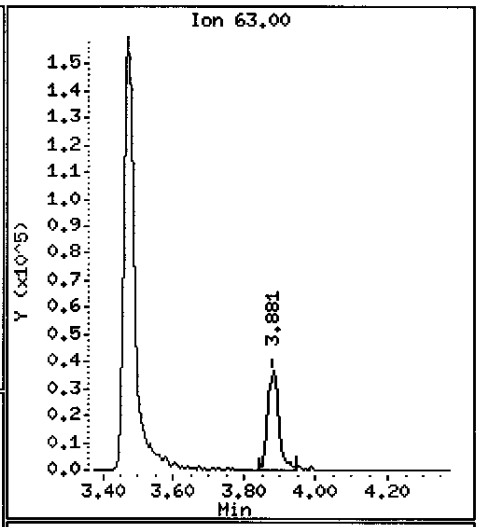
Sample Info: ,D0618-06A,MW-06,18358

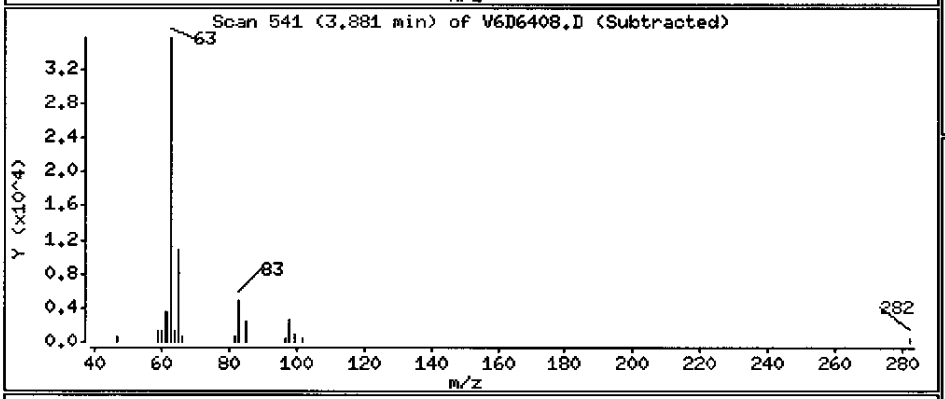
Purge Volume: 5.0 Operator: SB SRC: LIMS

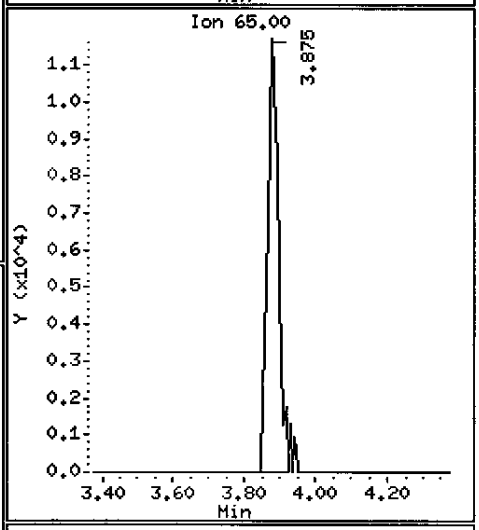
Column phase: DB-624 Column diameter: 0.25

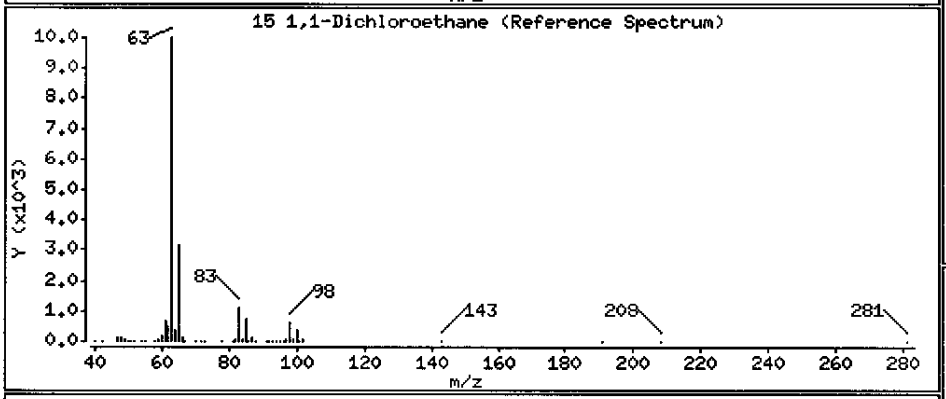
15 1,1-Dichloroethane Concentration: 4 ug/L

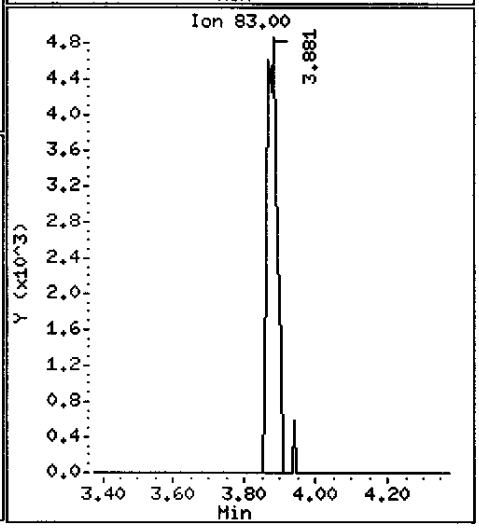


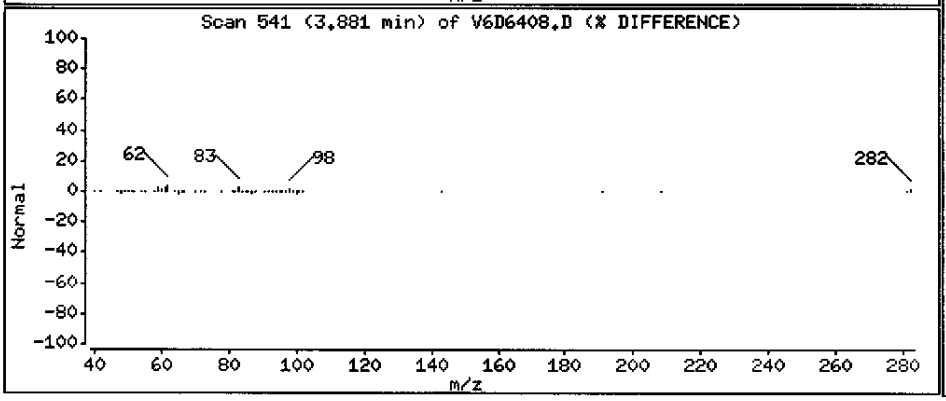












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D

Date : 02-JUN-2005 19:00

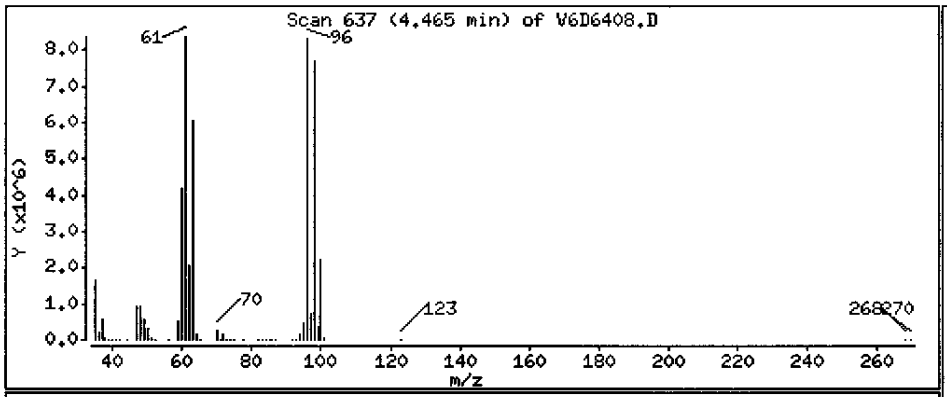
Client ID: MW-07 Instrument: V6.i

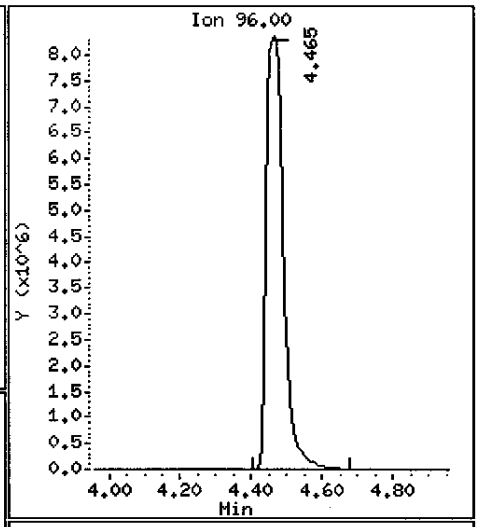
Sample Info: ,D0618-06A,MW-06,18358

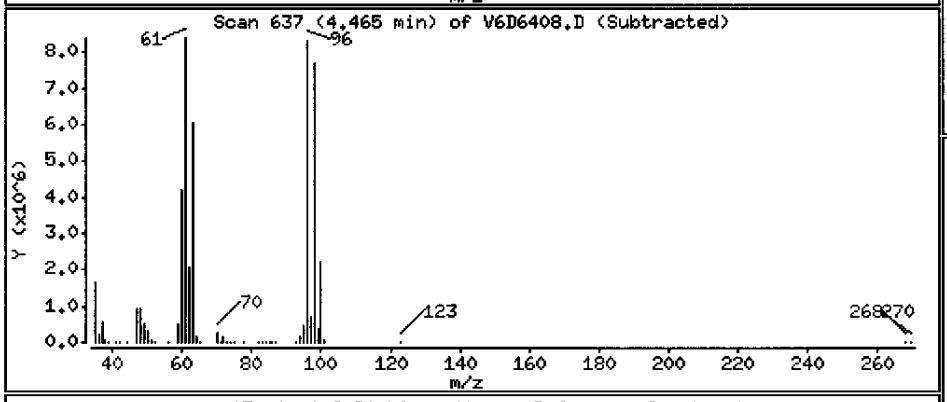
Purge Volume: 5.0 Operator: SB SRC: LIMS

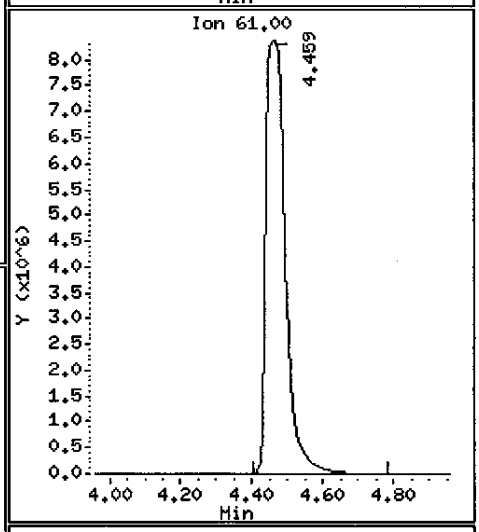
Column phase: DB-624 Column diameter: 0.25

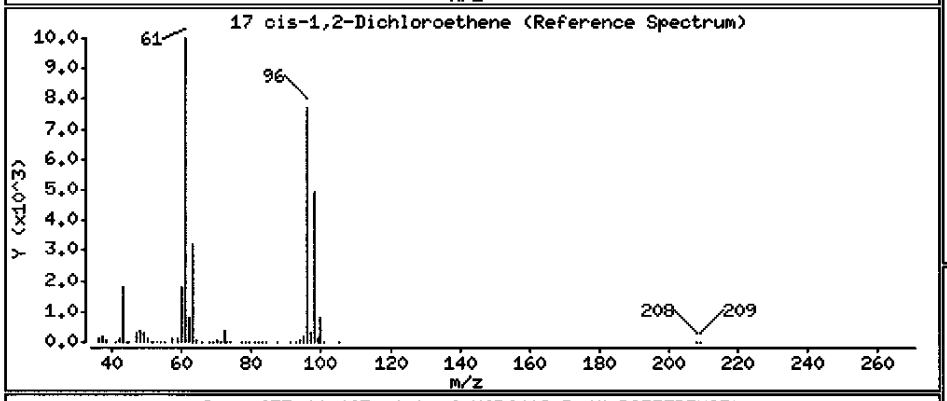
17 cis-1,2-Dichloroethene Concentration: 2700 ug/L

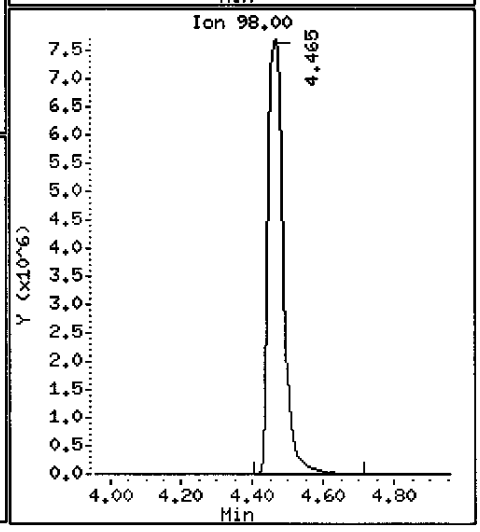


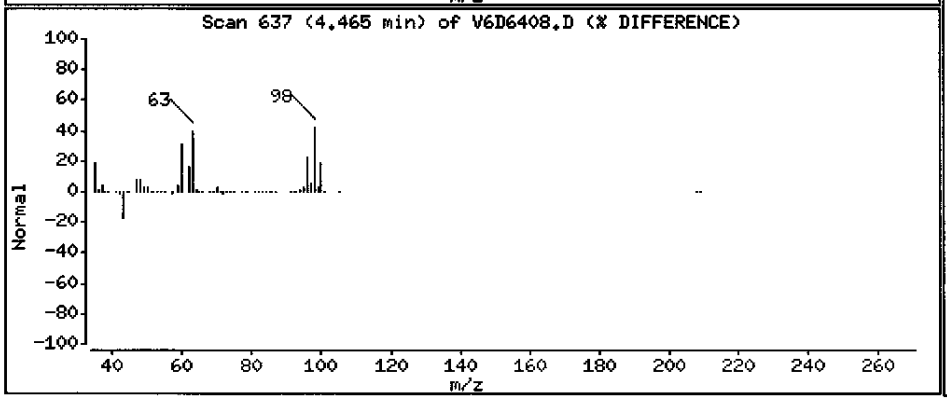












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D

Date : 02-JUN-2005 19:00

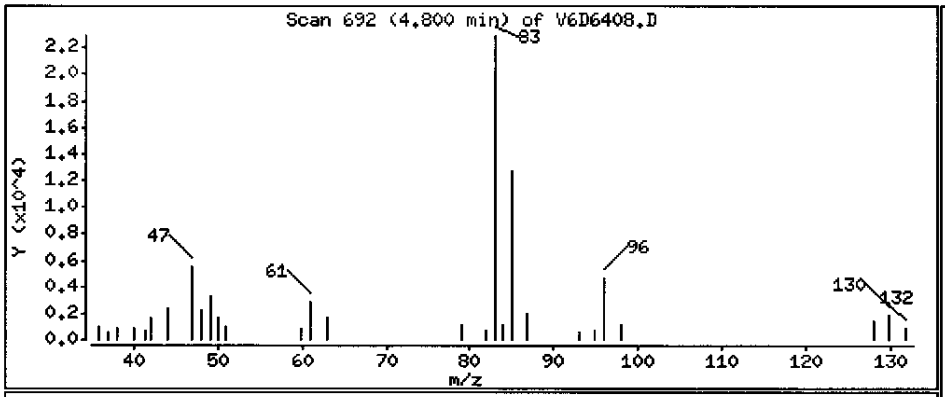
Client ID: MW-07 Instrument: V6.i

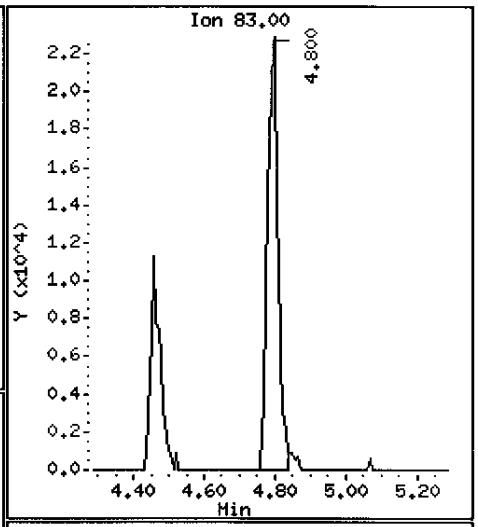
Sample Info: ,D0618-06A,MW-06,18358

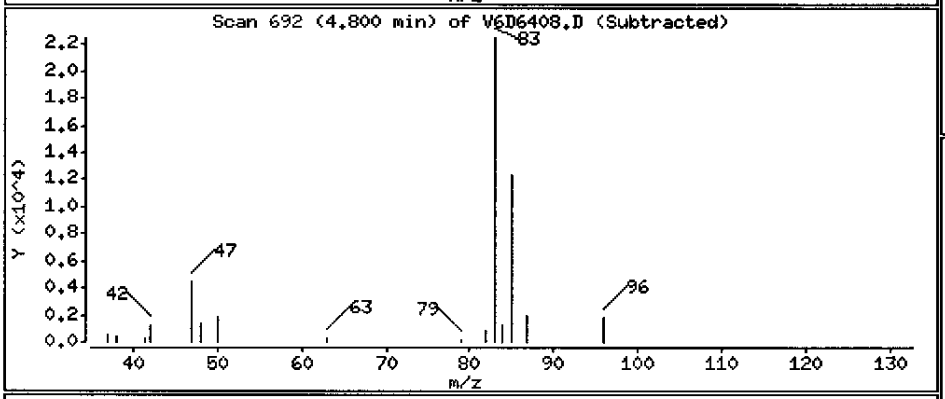
Purge Volume: 5.0 Operator: SB SRC: LIMS

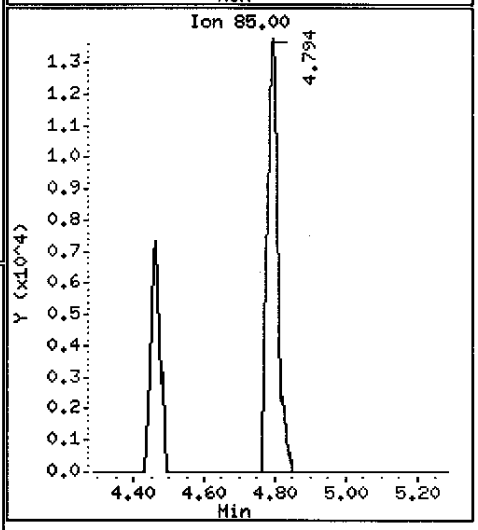
Column phase: DB-624 Column diameter: 0.25

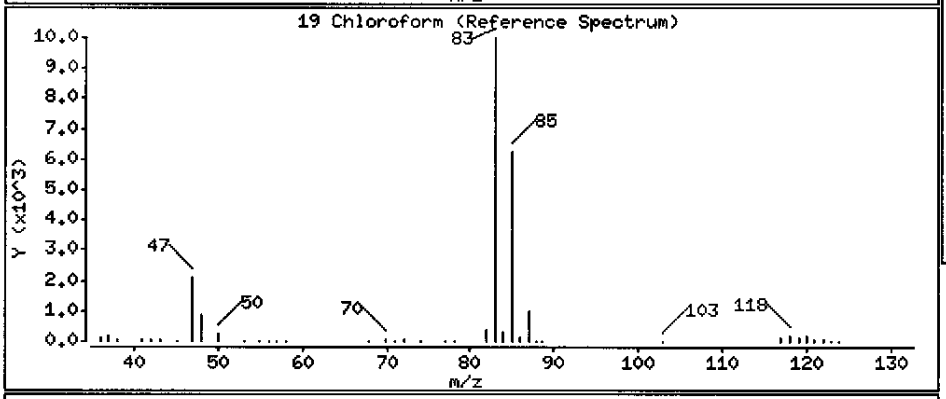
19 Chloroform Concentration: 2 ug/L

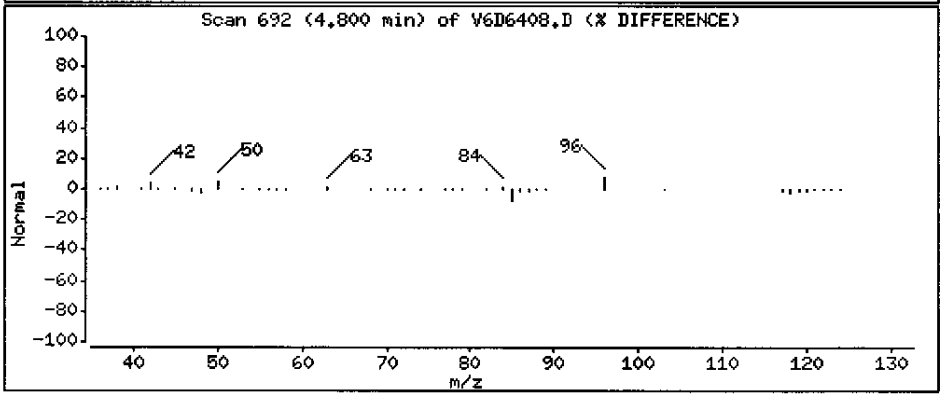












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D

Date : 02-JUN-2005 19:00

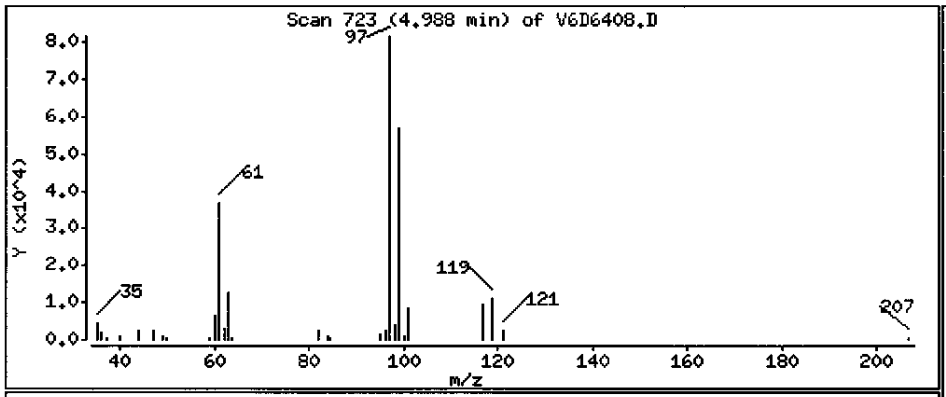
Client ID: MW-07 Instrument: V6.i

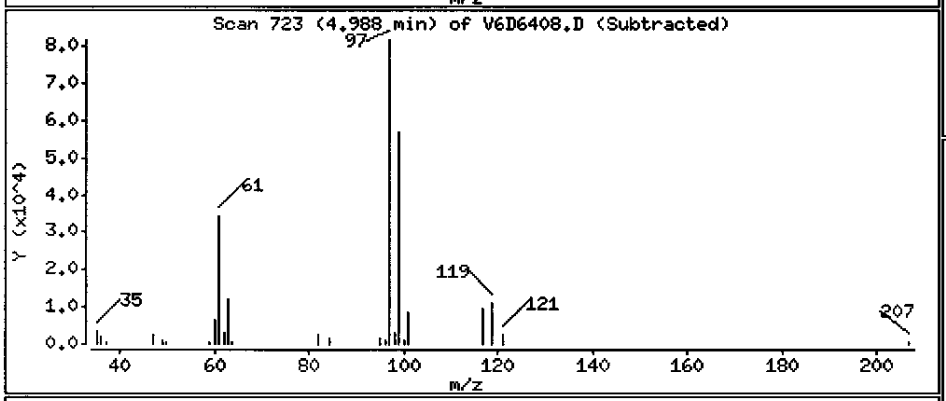
Sample Info: ,D0618-06A,MW-06,18358

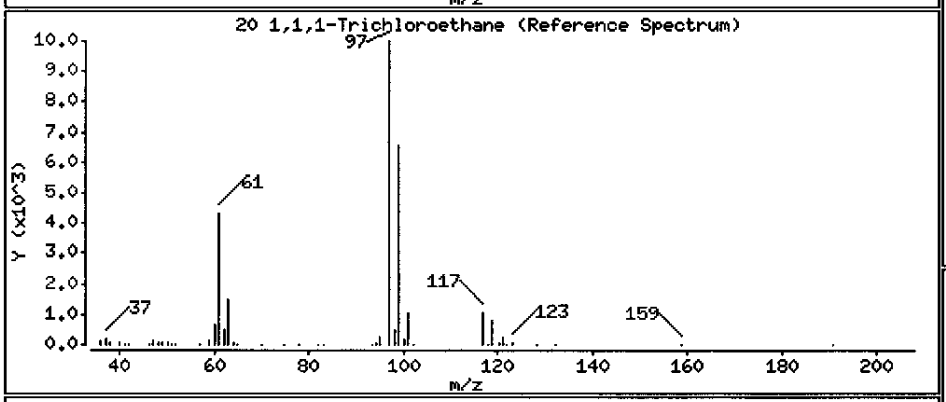
Purge Volume: 5.0 Operator: SB SRC: LIMS

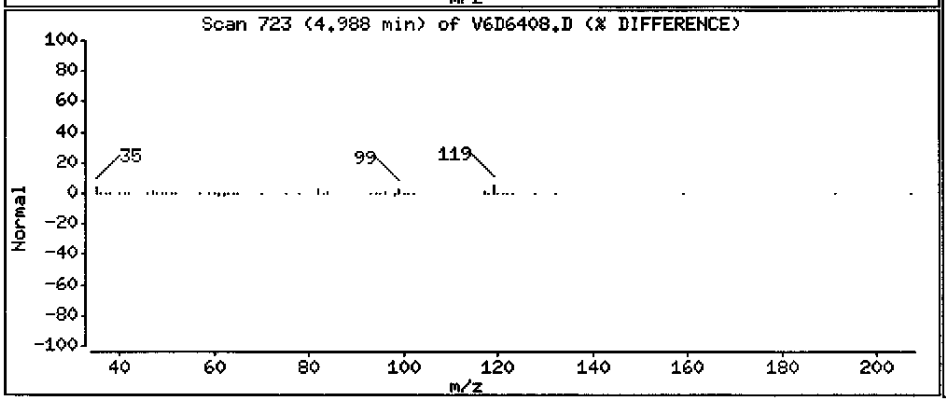
Column phase: DB-624 Column diameter: 0.25

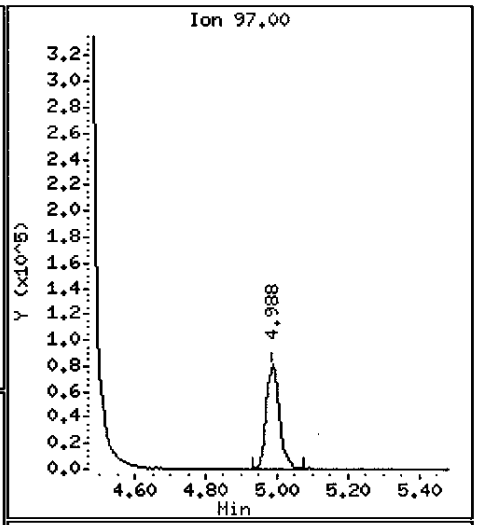
20 1,1,1-Trichloroethane Concentration: 13 ug/L

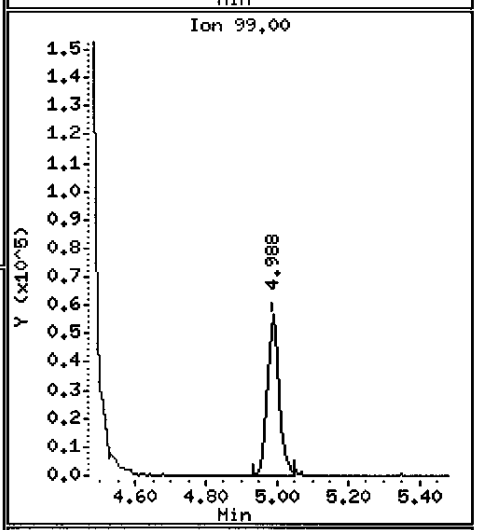


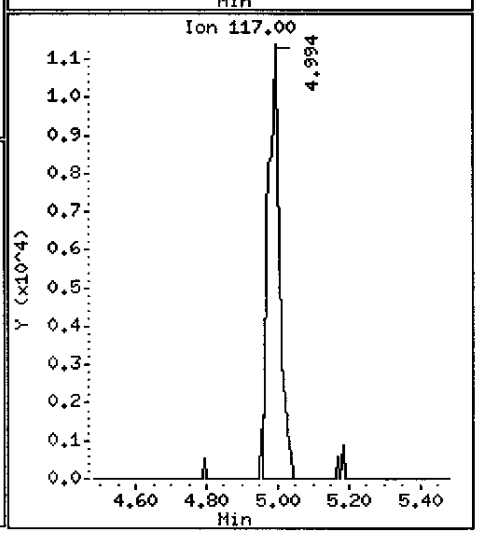












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D

Date : 02-JUN-2005 19:00

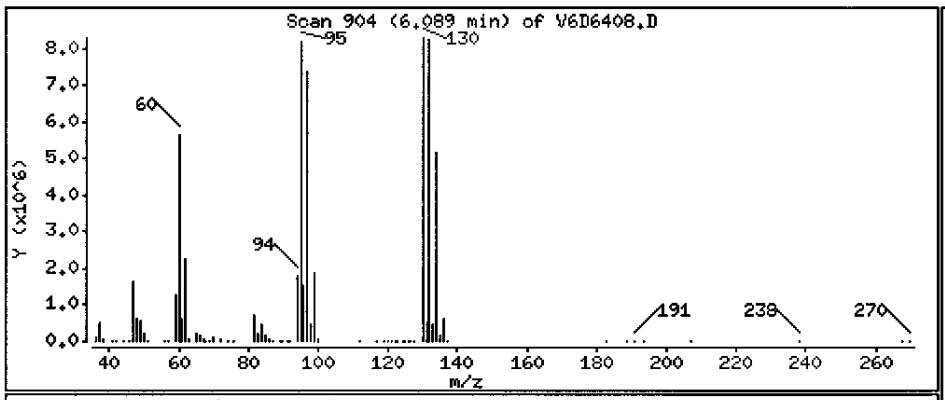
Client ID: MW-07 Instrument: V6.i

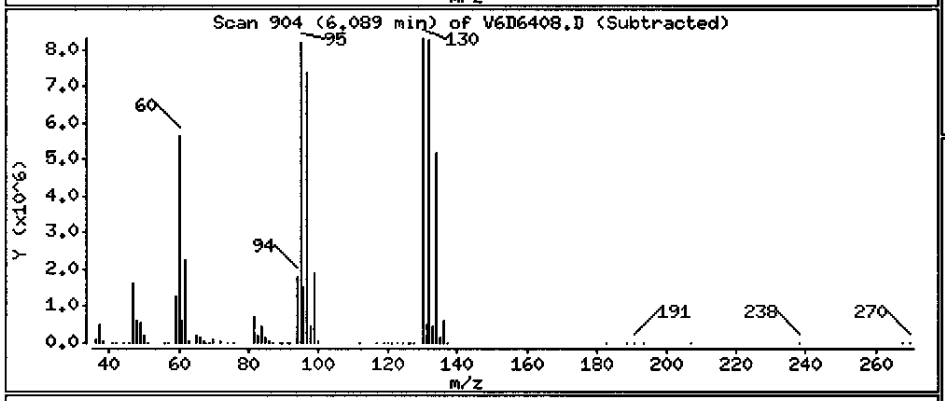
Sample Info: ,D0618-06A,MW-06,18358

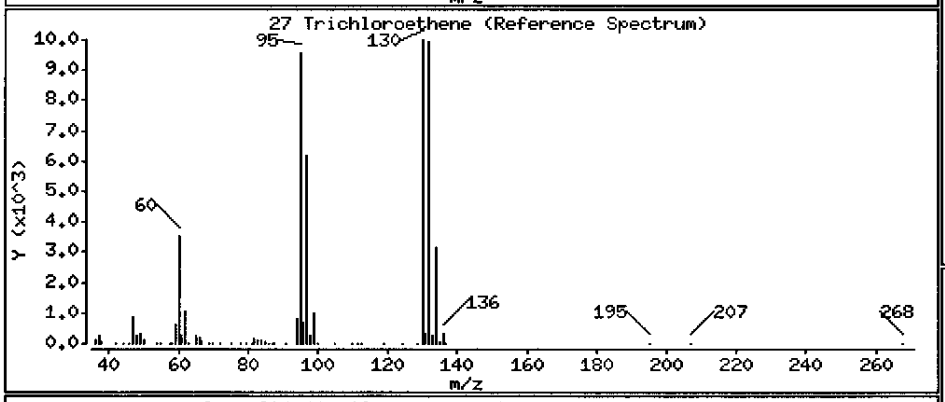
Purge Volume: 5.0 Operator: SB SRC: LIMS

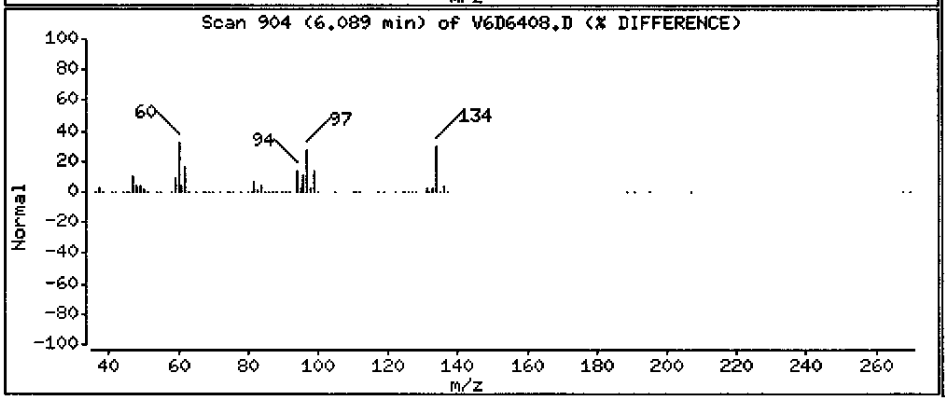
Column phase: DB-624 Column diameter: 0.25

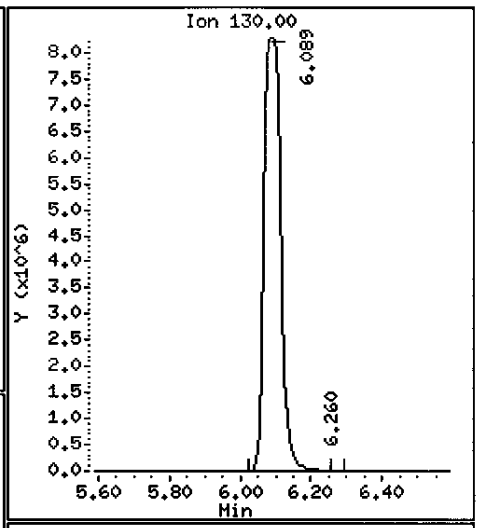
27 Trichloroethene Concentration: 2200 ug/L

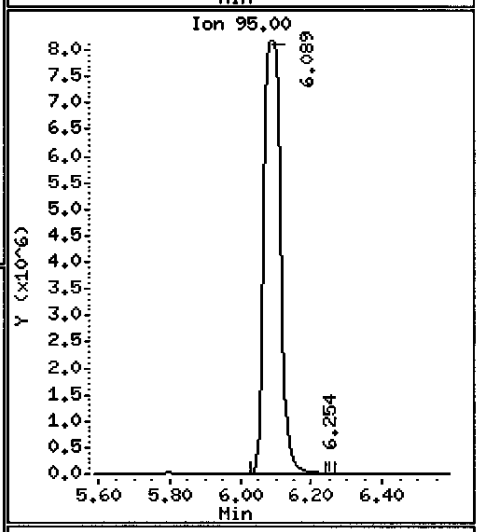


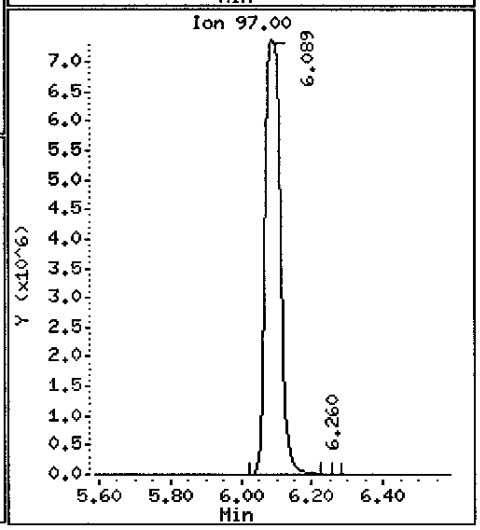












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D

Date : 02-JUN-2005 19:00

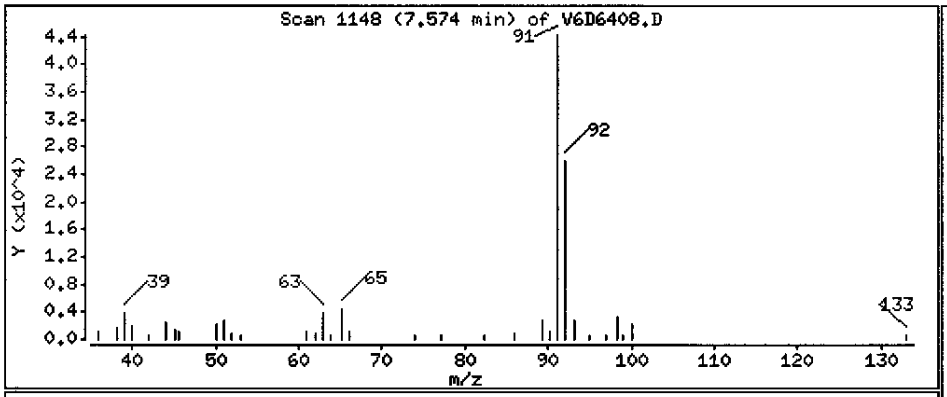
Client ID: MW-07 Instrument: V6.i

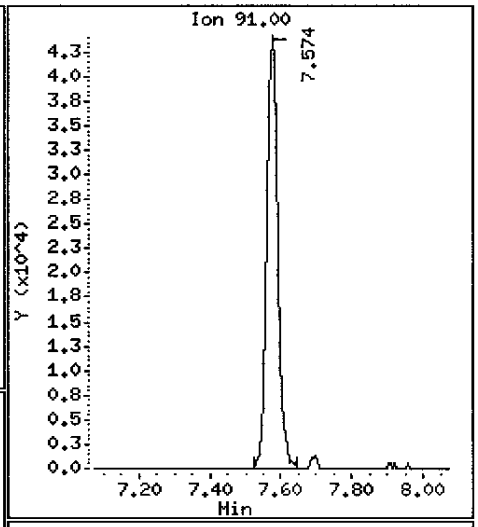
Sample Info: ,D0618-06A,MW-06,18358

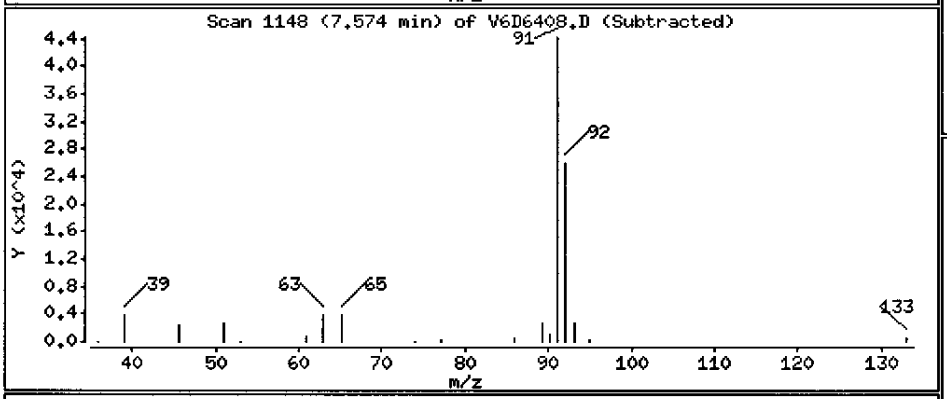
Purge Volume: 5.0 Operator: SB SRC: LIMS

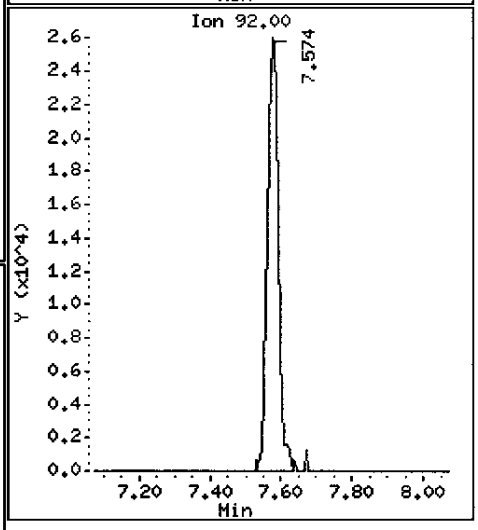
Column phase: DB-624 Column diameter: 0.25

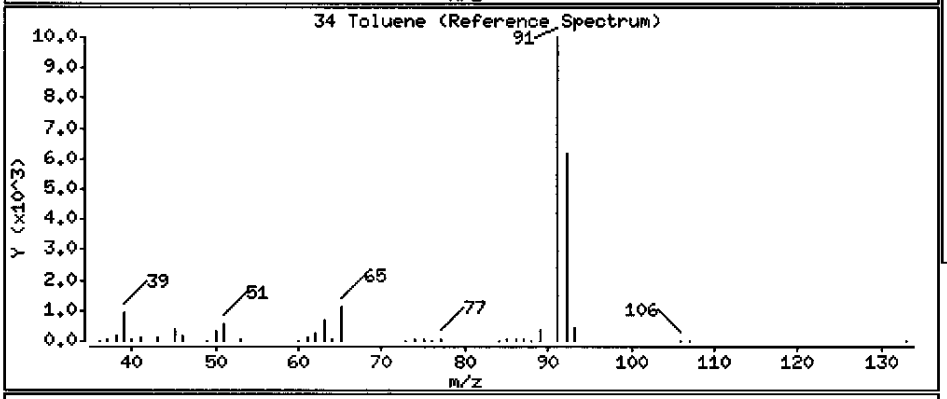
34 Toluene Concentration: 2 ug/L

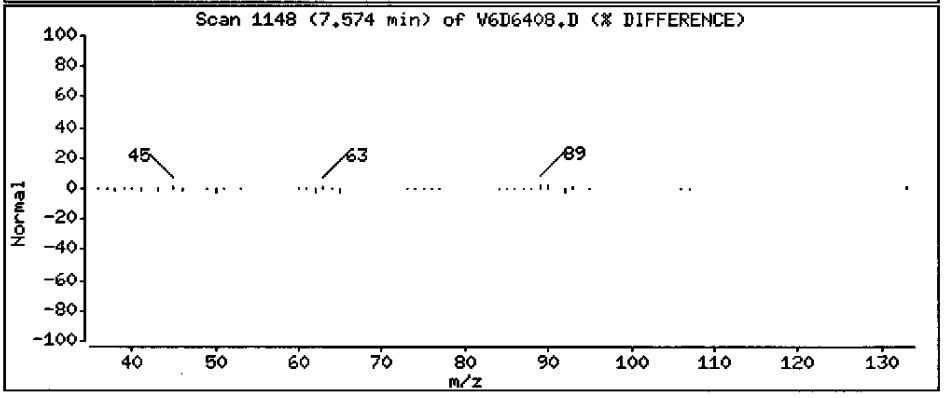












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D

Date : 02-JUN-2005 19:00

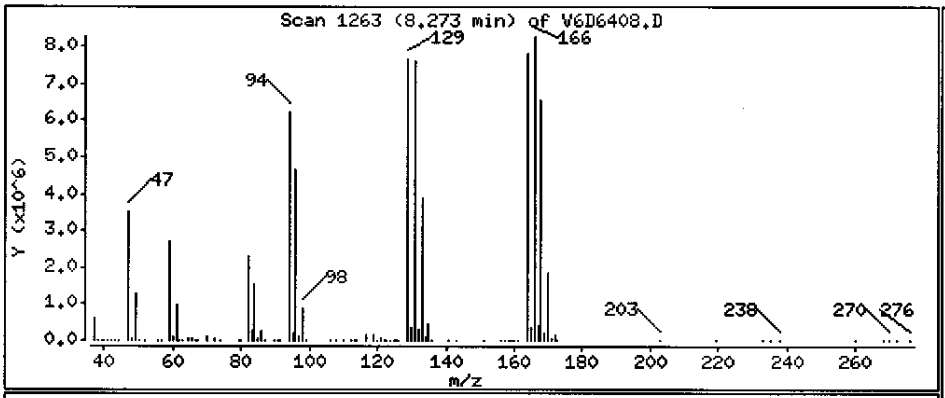
Client ID: MW-07 Instrument: V6.i

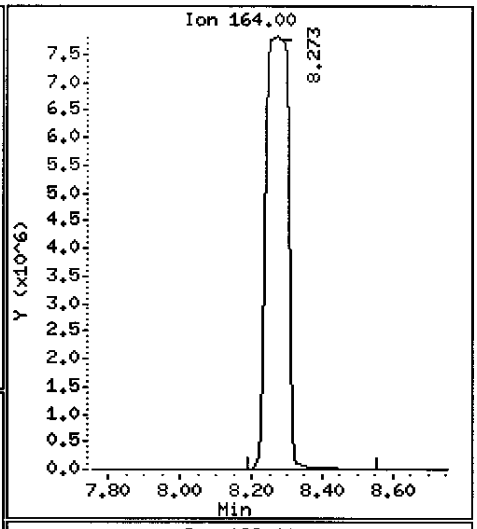
Sample Info: ,D0618-06A,MW-06,18358

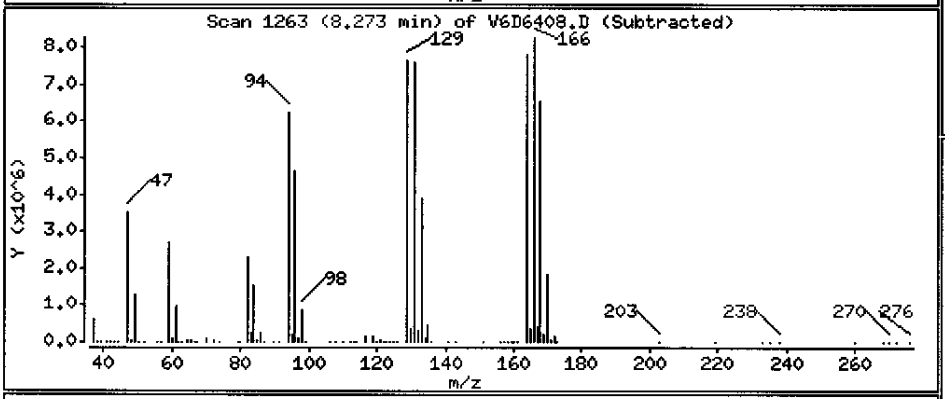
Purge Volume: 5.0 Operator: SB SRC: LIMS

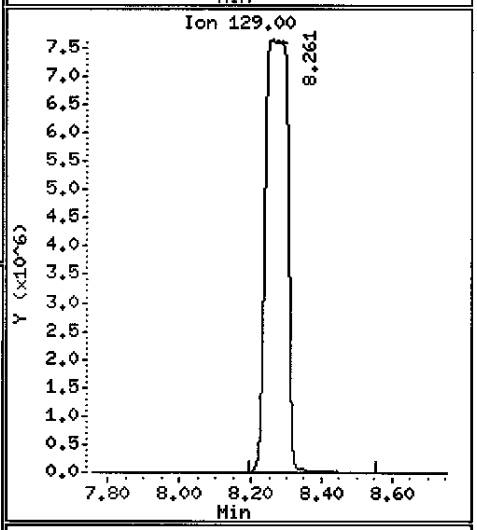
Column phase: DB-624 Column diameter: 0.25

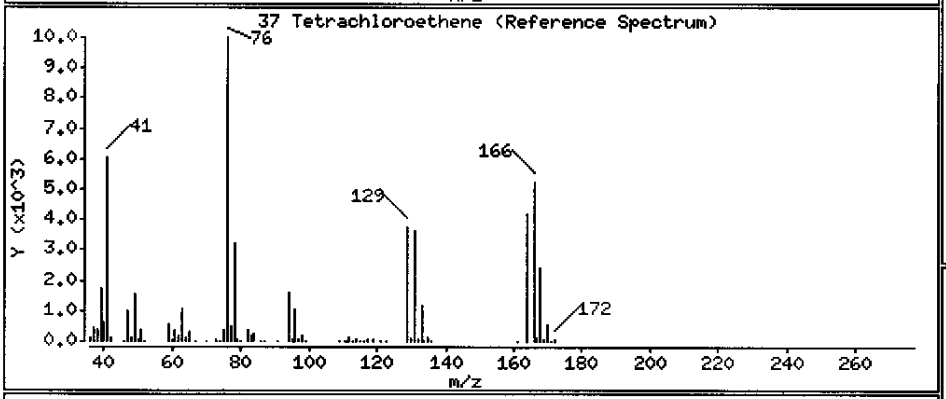
37 Tetrachloroethene Concentration: 3200 ug/L

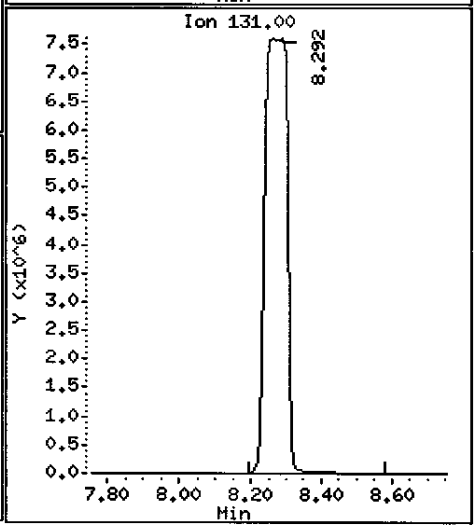


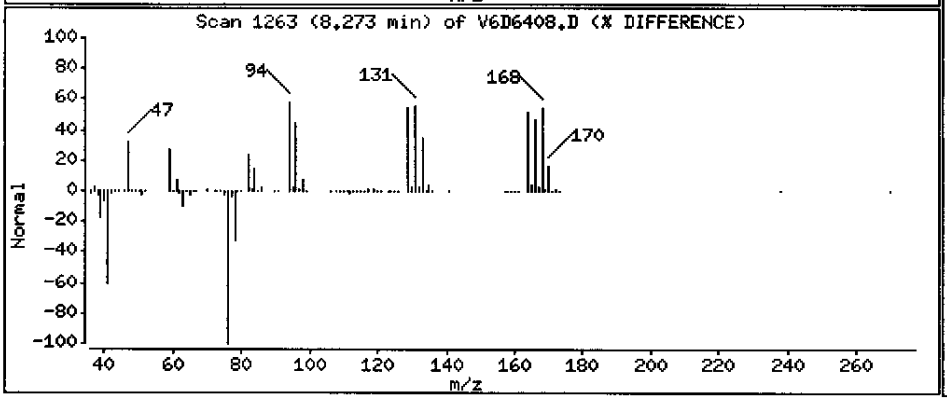












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D

Date : 02-JUN-2005 19:00

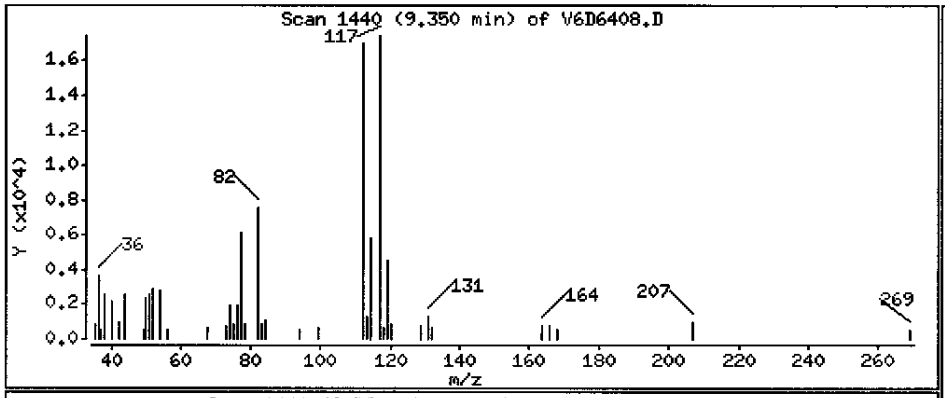
Client ID: MW-07 Instrument: V6.i

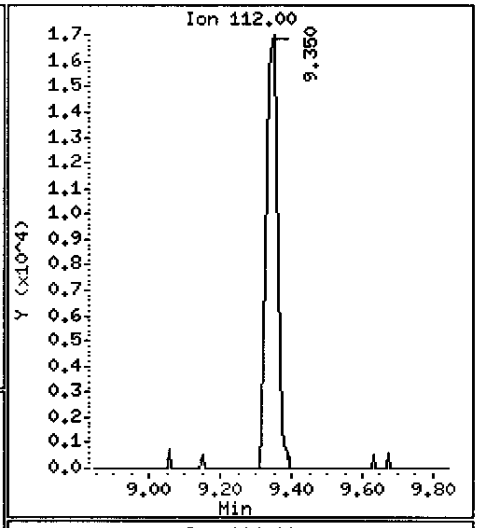
Sample Info: ,D0618-06A,MW-06,18358

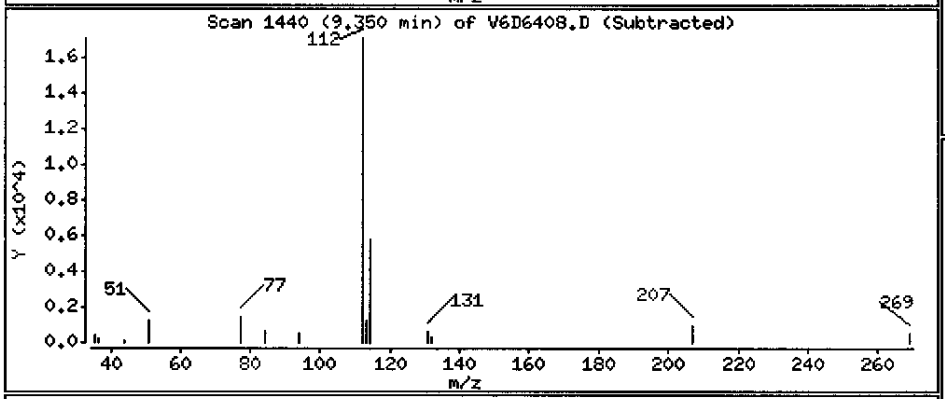
Purge Volume: 5.0 Operator: SB SRC: LIMS

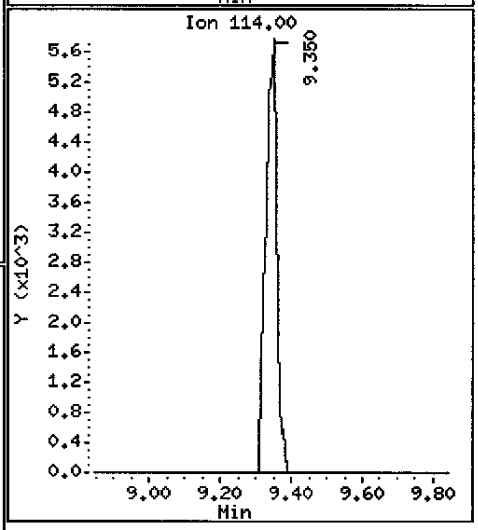
Column phase: DB-624 Column diameter: 0.25

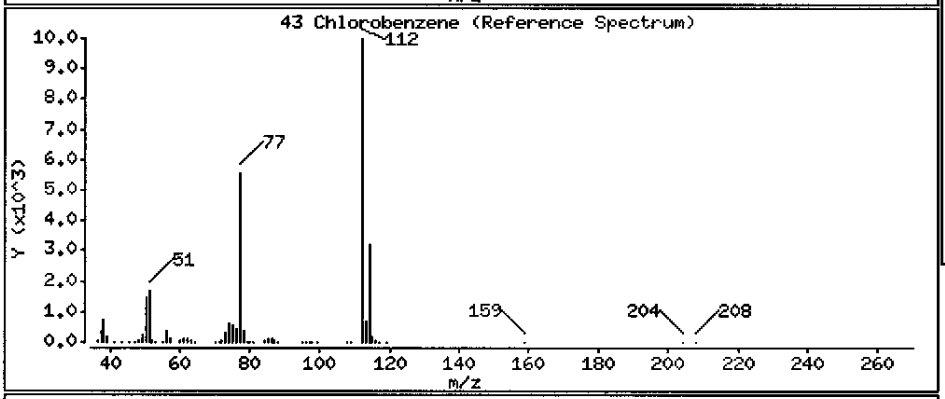
43 Chlorobenzene Concentration: 1 ug/L

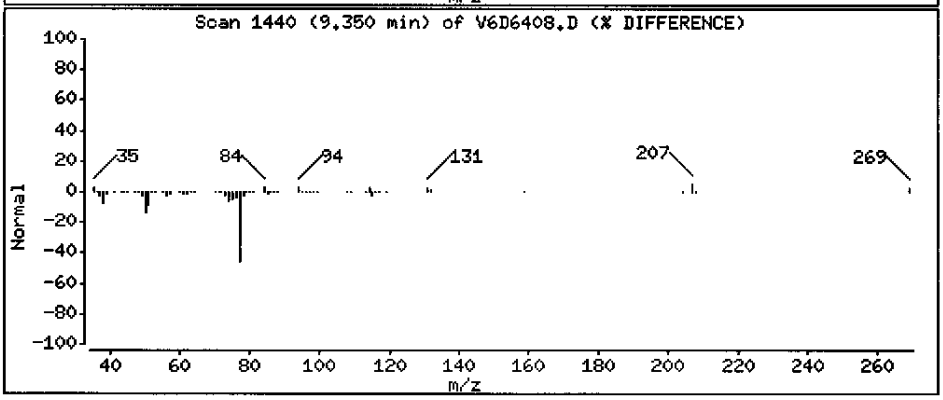












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D

Date : 02-JUN-2005 19:00

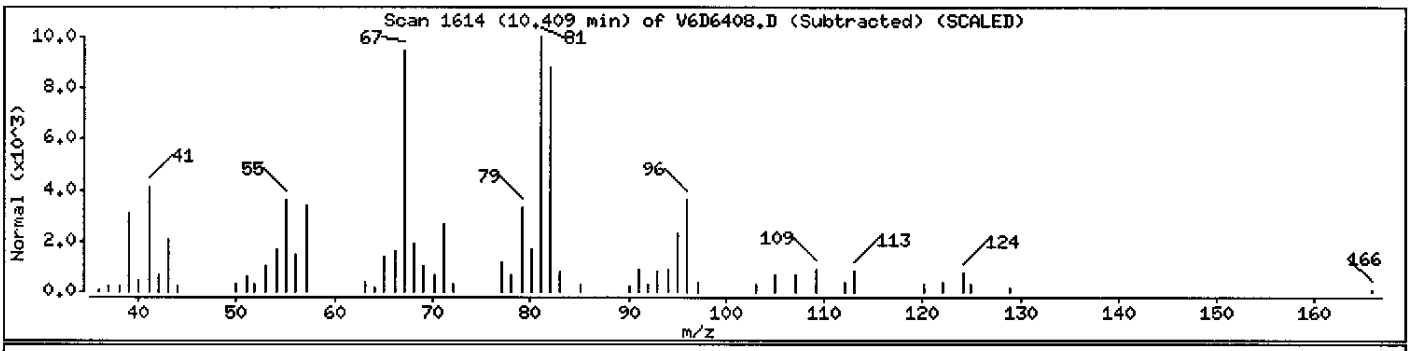
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D

Date : 02-JUN-2005 19:00

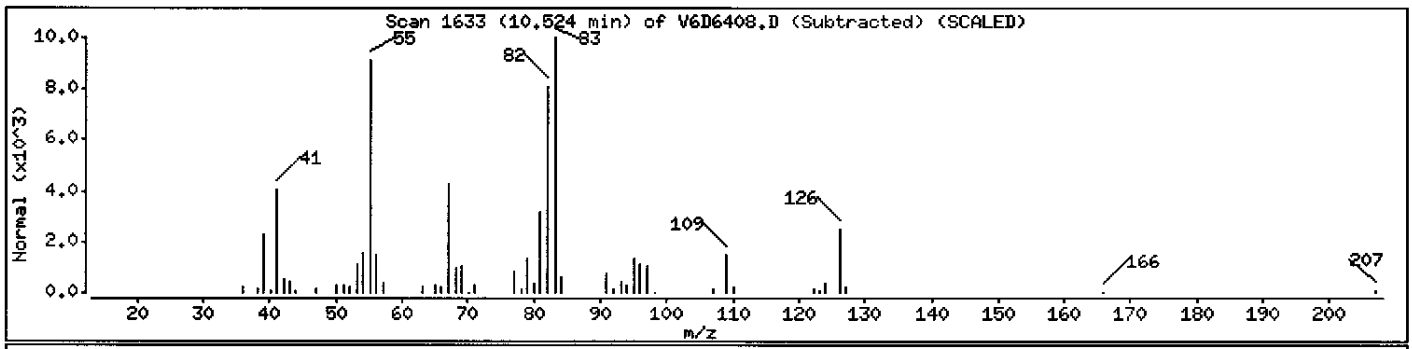
Client ID: MW-07 Instrument: V6.i

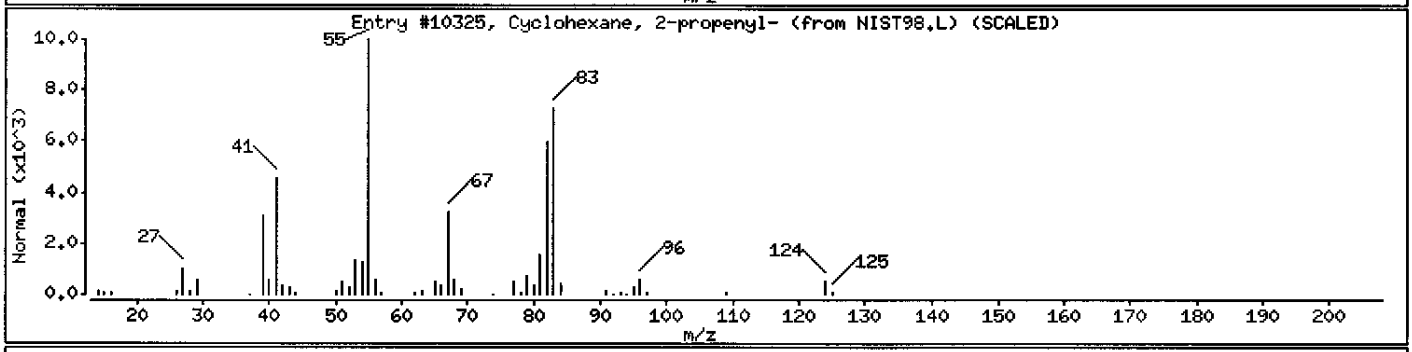
Sample Info: ,D0618-06A,MW-06,18358

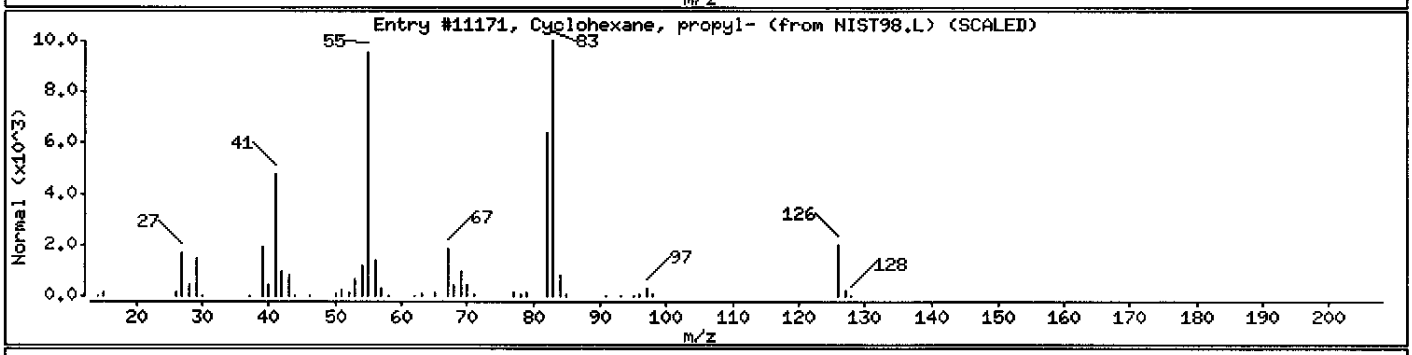
Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, 2-propenyl-	2114-42-3	NIST98.L	10325	81	C9H16	124
Cyclohexane, propyl-	1678-92-8	NIST98.L	11171	68	C9H18	126







Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D

Date : 02-JUN-2005 19:00

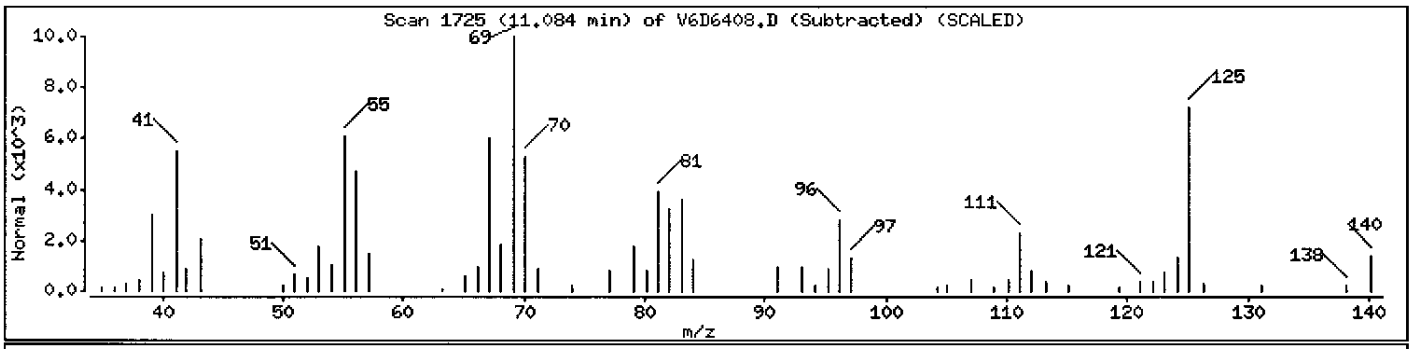
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



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Date : 02-JUN-2005 19:00

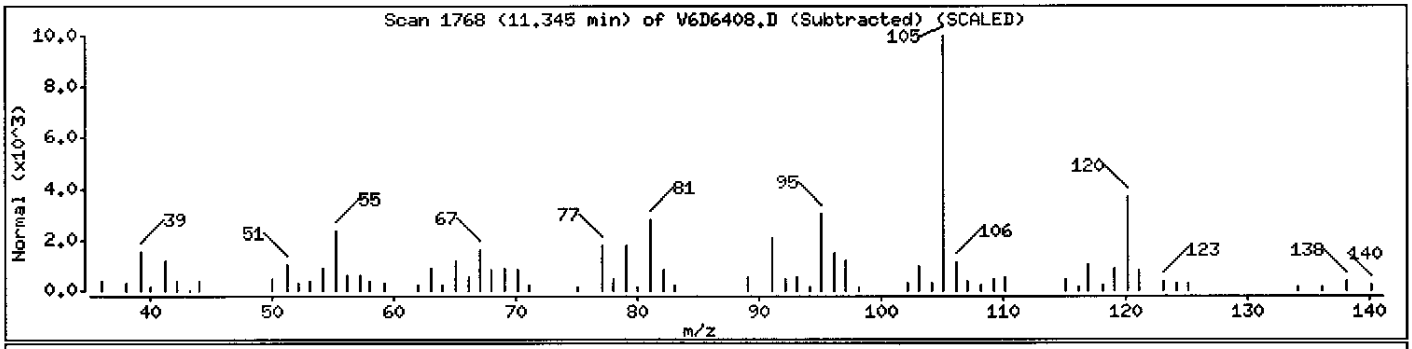
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



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Date : 02-JUN-2005 19:00

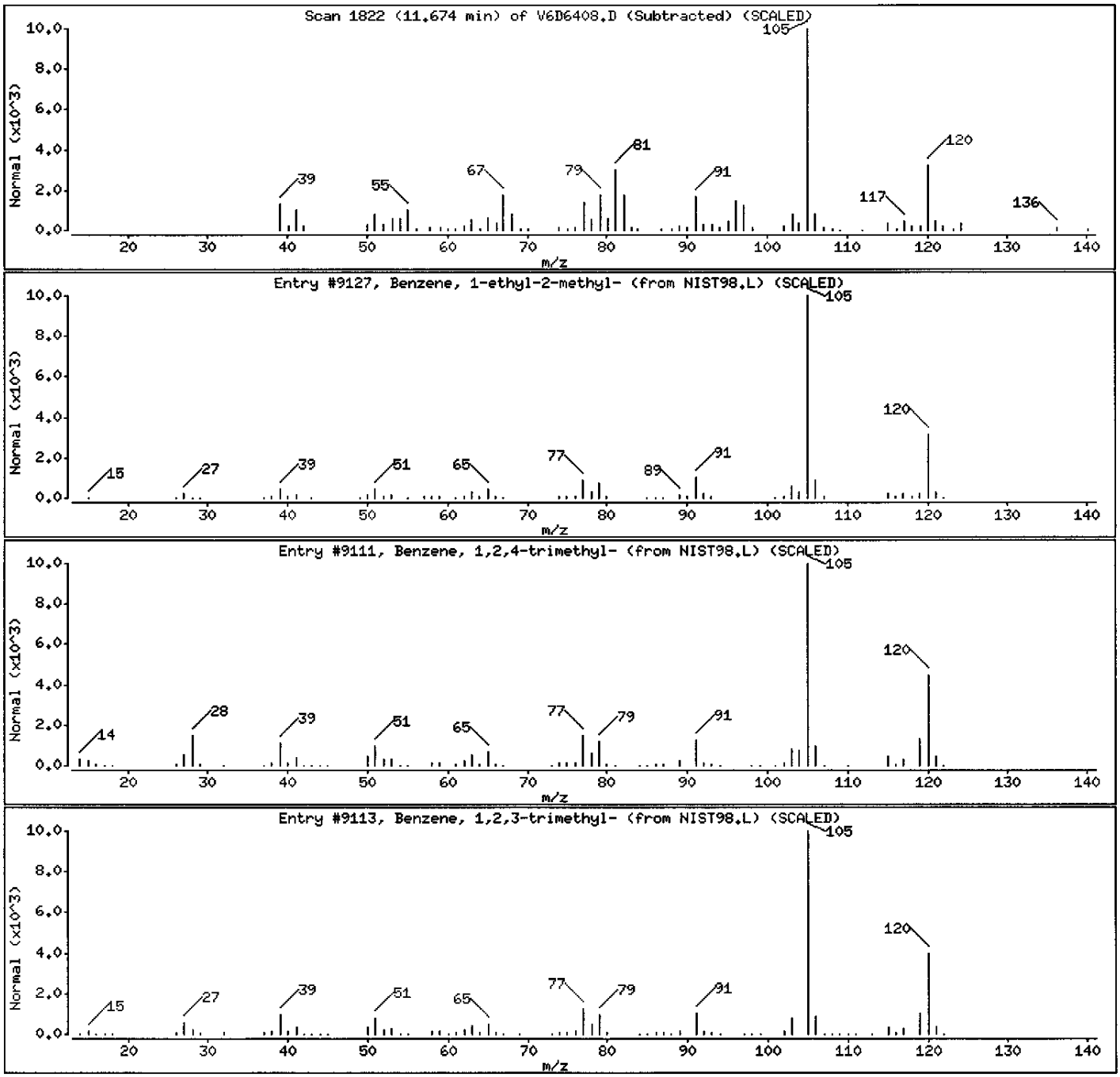
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2-methyl-	611-14-3	NIST98.L	9127	91	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NIST98.L	9111	64	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NIST98.L	9113	64	C9H12	120



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Date : 02-JUN-2005 19:00

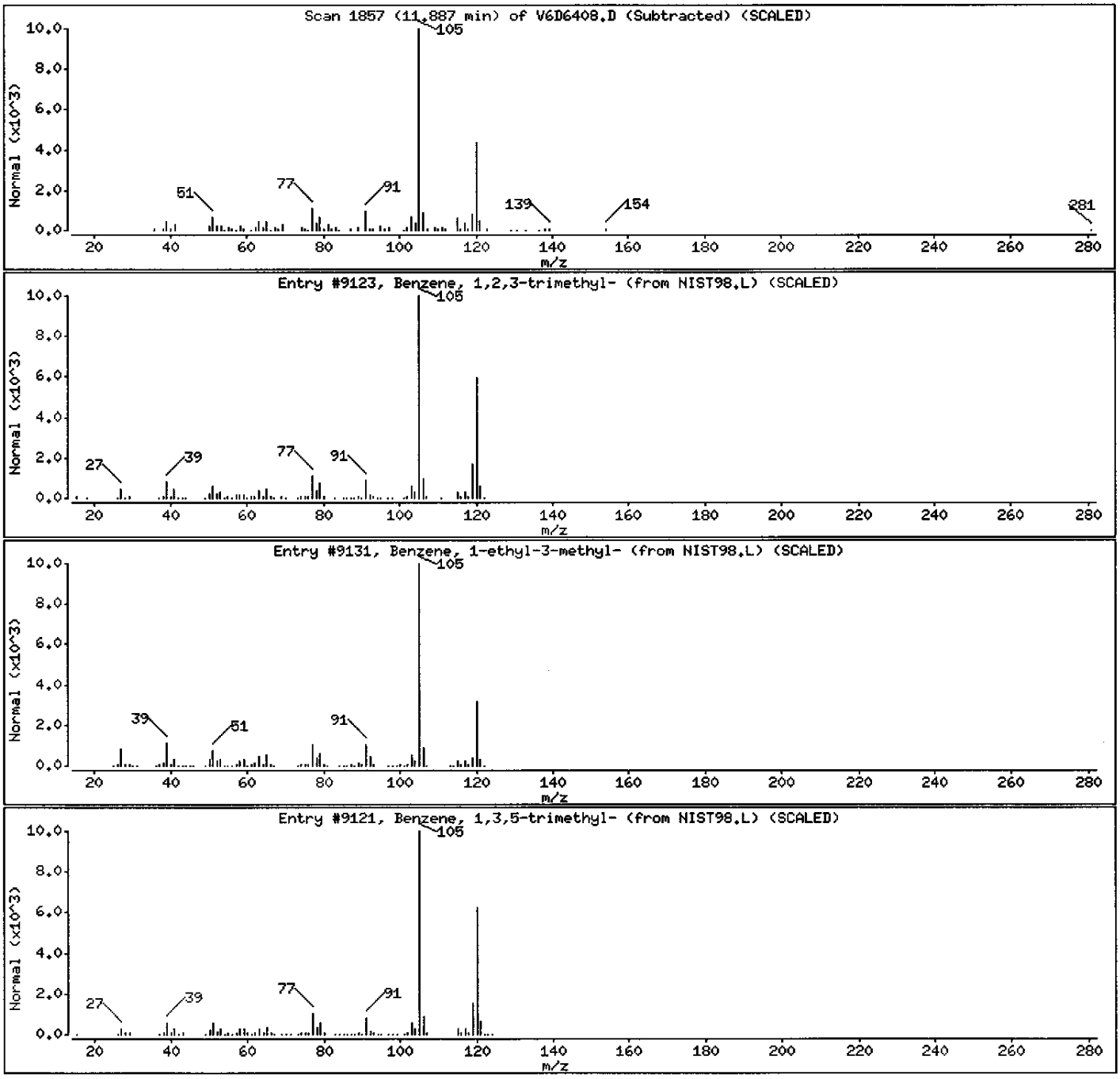
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3-trimethyl-	526-73-8	NIST98.L	9123	91	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NIST98.L	9131	91	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NIST98.L	9121	91	C9H12	120



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Date : 02-JUN-2005 19:00

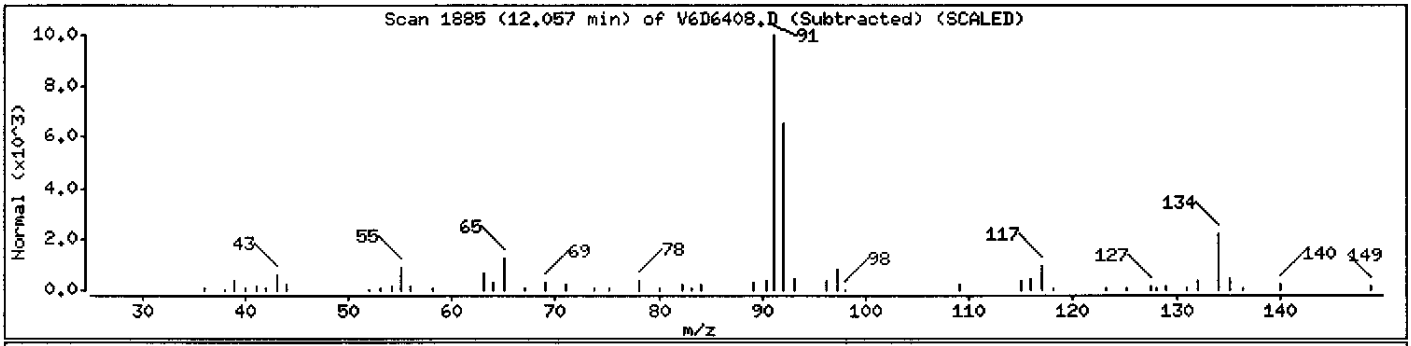
Client ID: MW-07 Instrument: V6.i

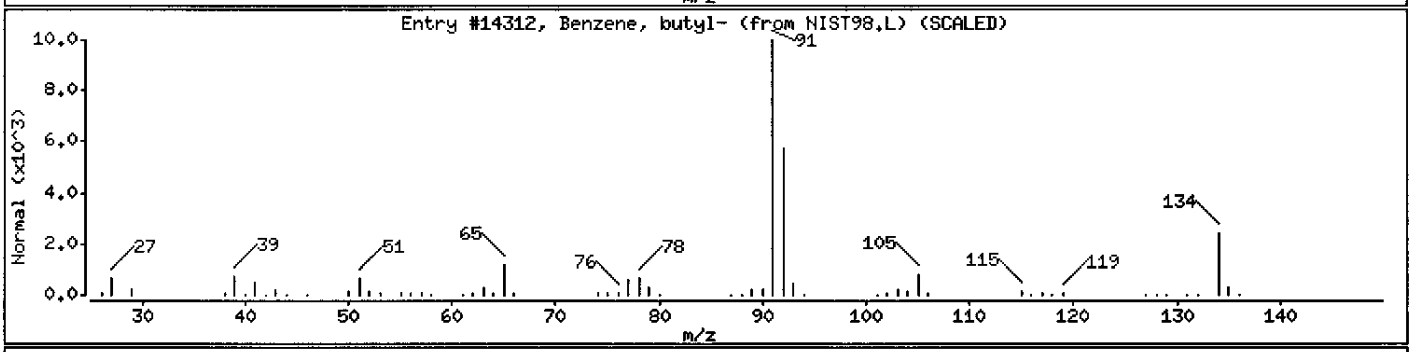
Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, butyl-	104-51-8	NIST98.L	14312	64	C10H14	134





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Date : 02-JUN-2005 19:00

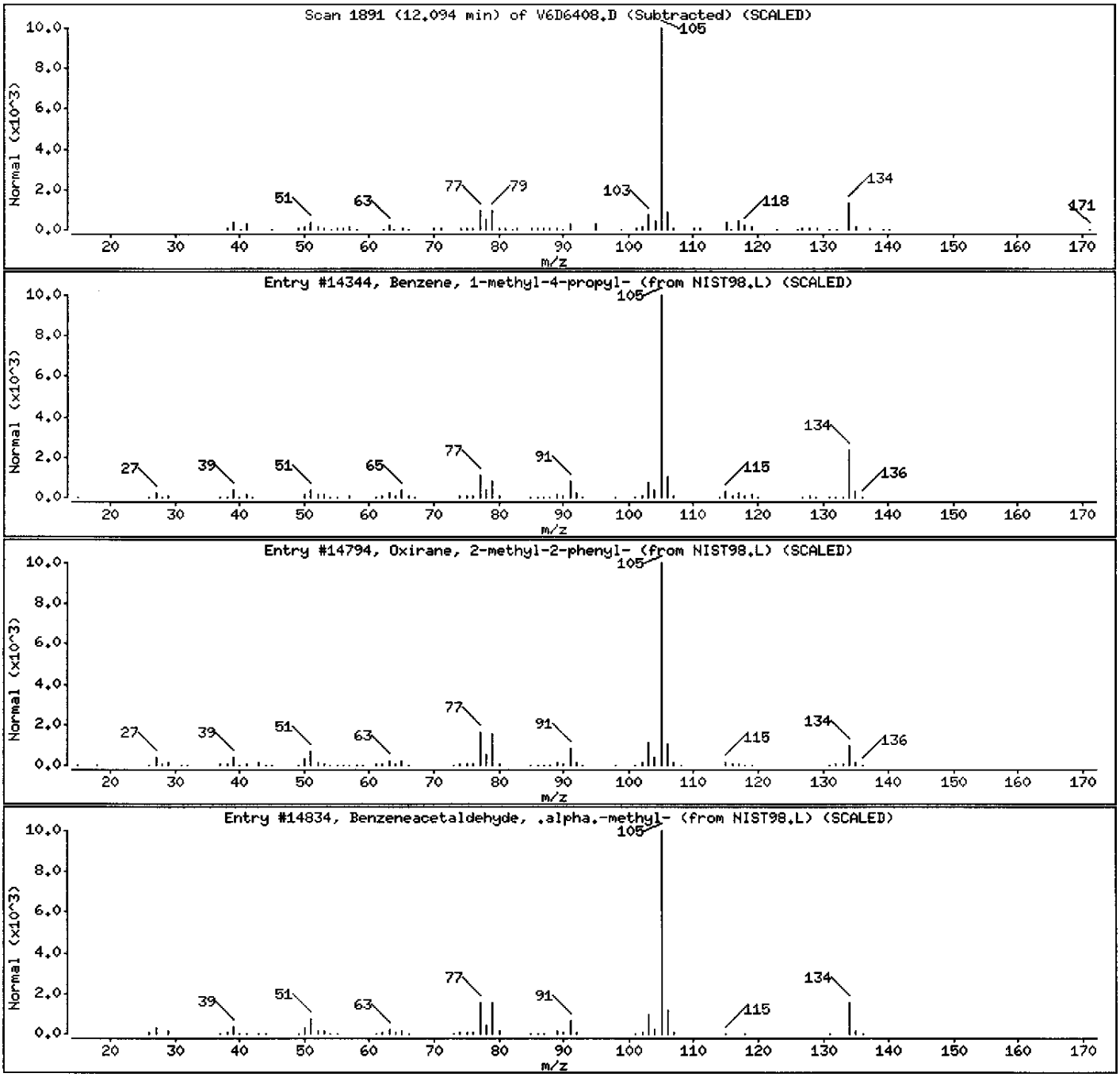
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-4-propyl-	1074-55-1	NIST98.L	14344	90	C10H14	134
Oxirane, 2-methyl-2-phenyl-	2085-88-3	NIST98.L	14794	87	C9H10O	134
Benzeneacetaldehyde, .alpha.-methyl-	93-53-8	NIST98.L	14834	80	C9H10O	134



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Date : 02-JUN-2005 19:00

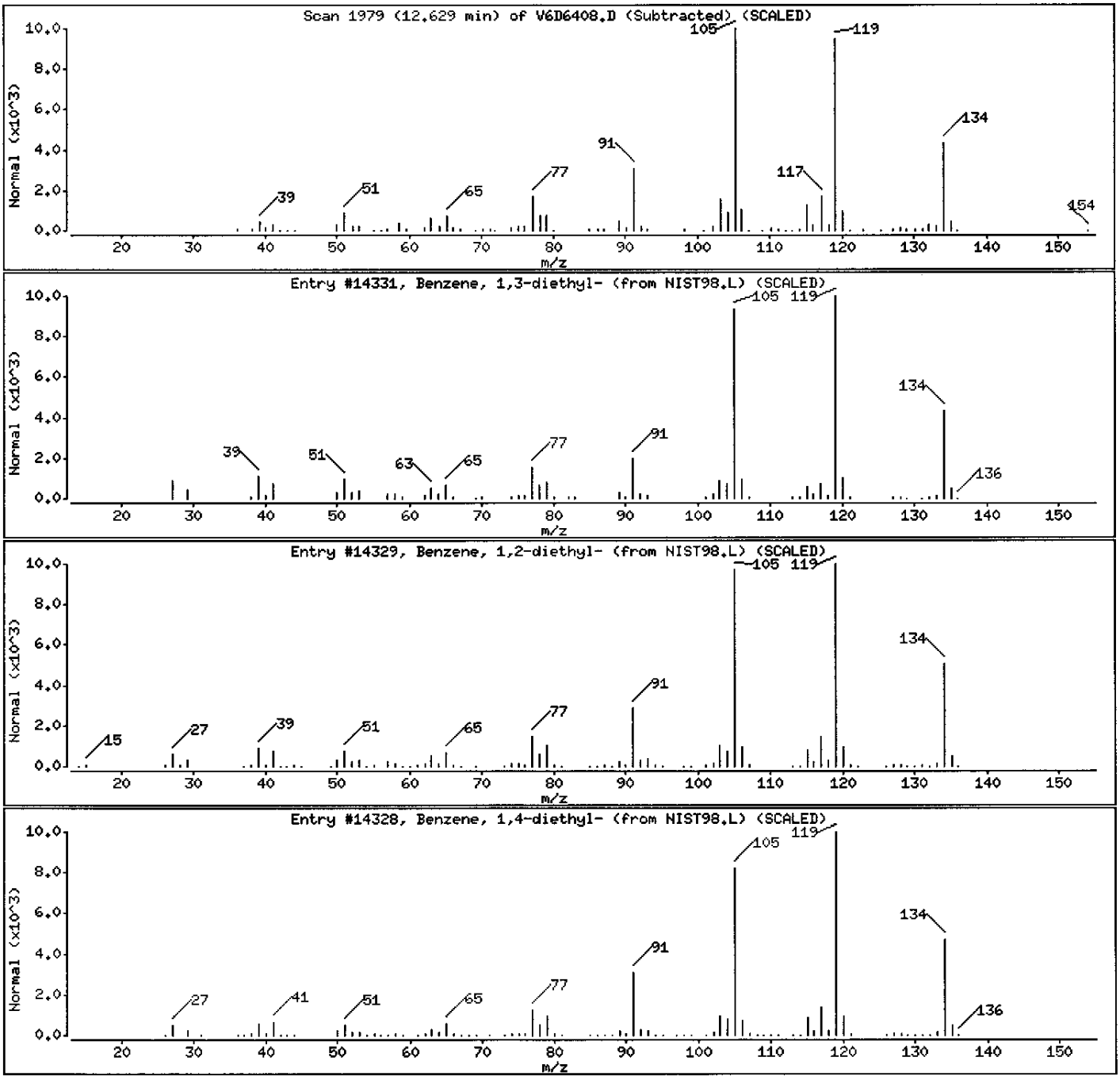
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,3-diethyl-	141-93-5	NIST98.L	14331	95	C10H14	134
Benzene, 1,2-diethyl-	135-01-3	NIST98.L	14329	94	C10H14	134
Benzene, 1,4-diethyl-	105-05-5	NIST98.L	14328	94	C10H14	134



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Date : 02-JUN-2005 19:00

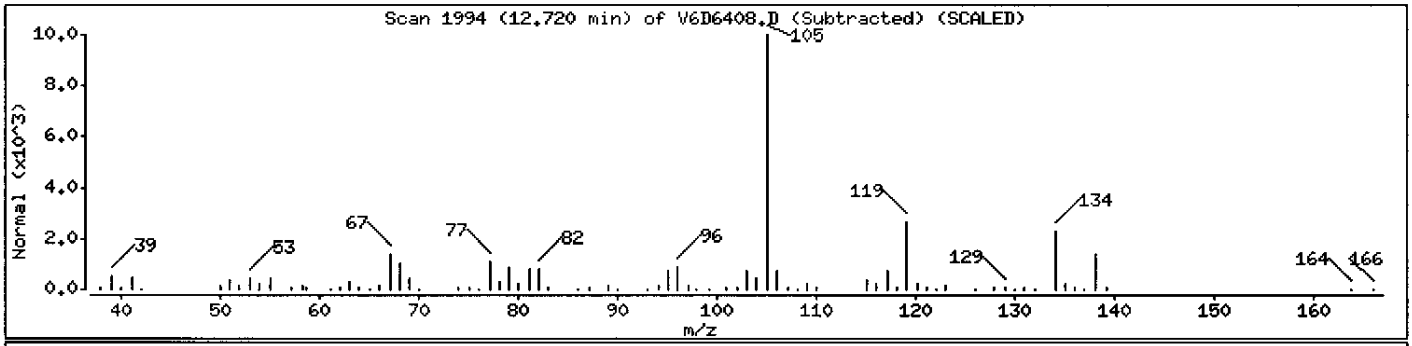
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 02-JUN-2005 19:00

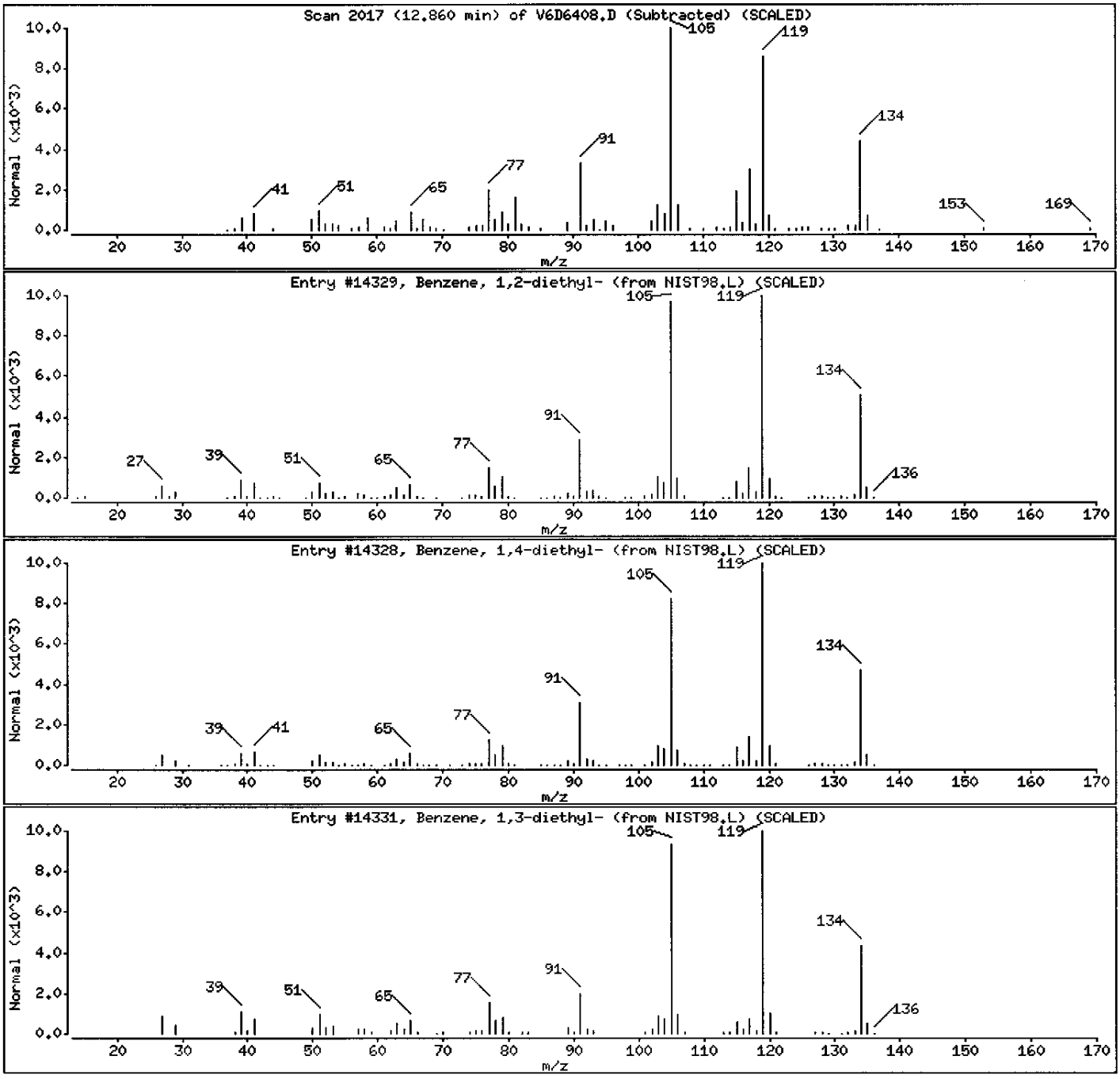
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2-diethyl-	135-01-3	NIST98.L	14329	93	C10H14	134
Benzene, 1,4-diethyl-	105-05-5	NIST98.L	14328	91	C10H14	134
Benzene, 1,3-diethyl-	141-93-5	NIST98.L	14331	87	C10H14	134



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Date : 02-JUN-2005 19:00

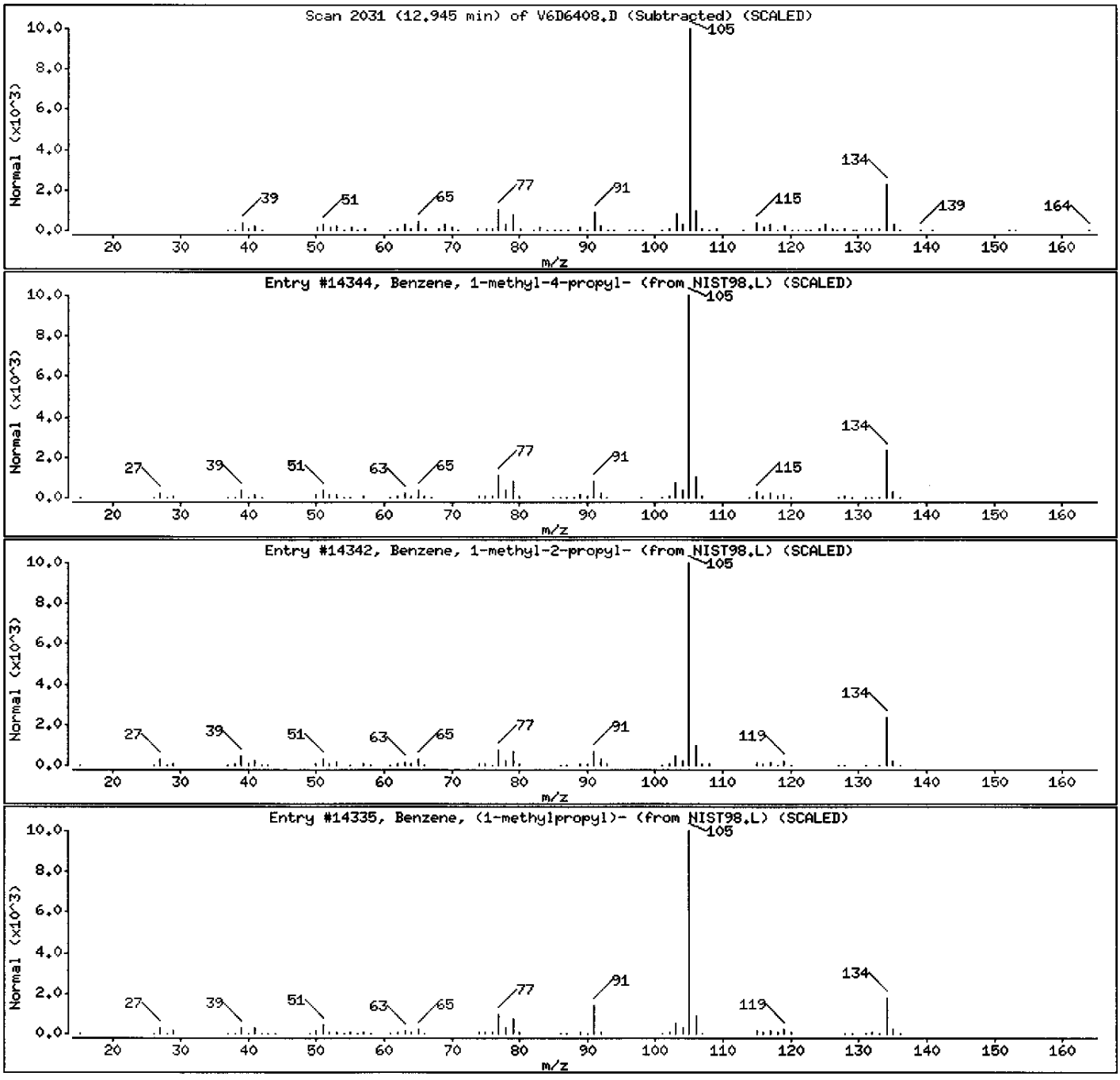
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-4-propyl-	1074-55-1	NIST98.L	14344	94	C10H14	134
Benzene, 1-methyl-2-propyl-	1074-17-5	NIST98.L	14342	91	C10H14	134
Benzene, (1-methylpropyl)-	135-98-8	NIST98.L	14335	91	C10H14	134



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Date : 02-JUN-2005 19:00

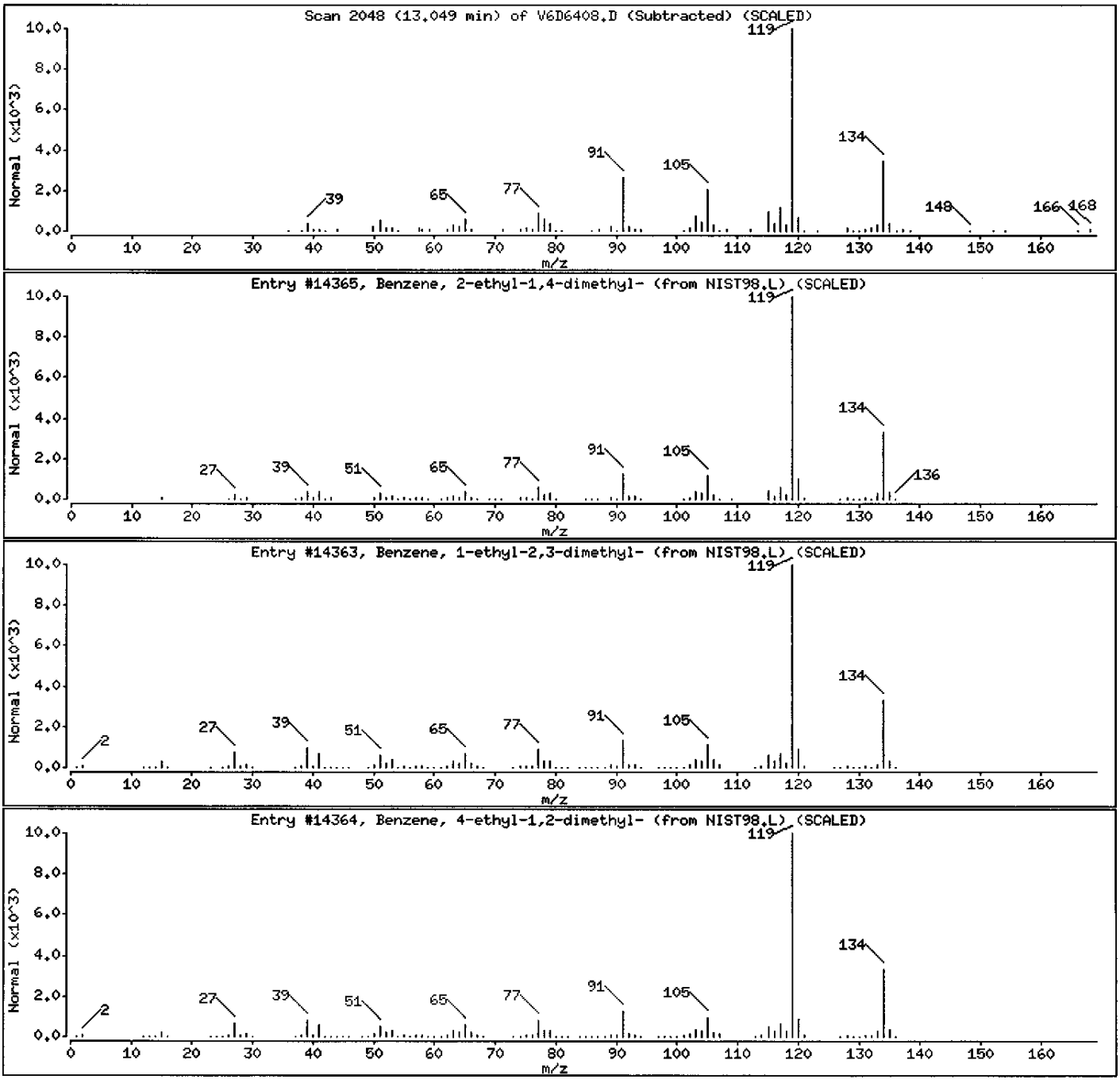
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NIST98.L	14365	91	C10H14	134
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NIST98.L	14363	91	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NIST98.L	14364	90	C10H14	134



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Date : 02-JUN-2005 19:00

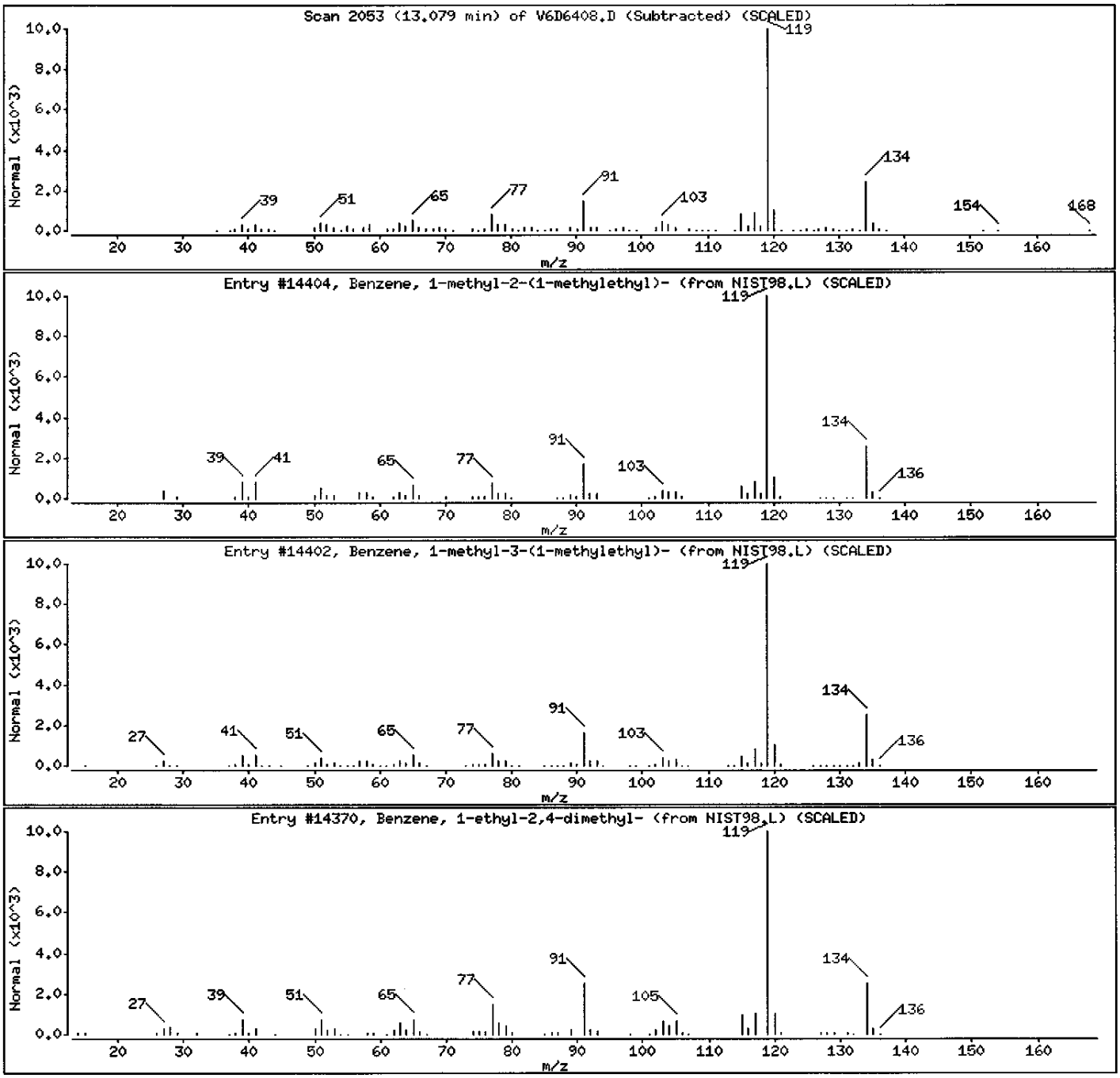
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST98.L	14404	97	C10H14	134
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NIST98.L	14402	94	C10H14	134
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NIST98.L	14370	94	C10H14	134



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Date : 02-JUN-2005 19:00

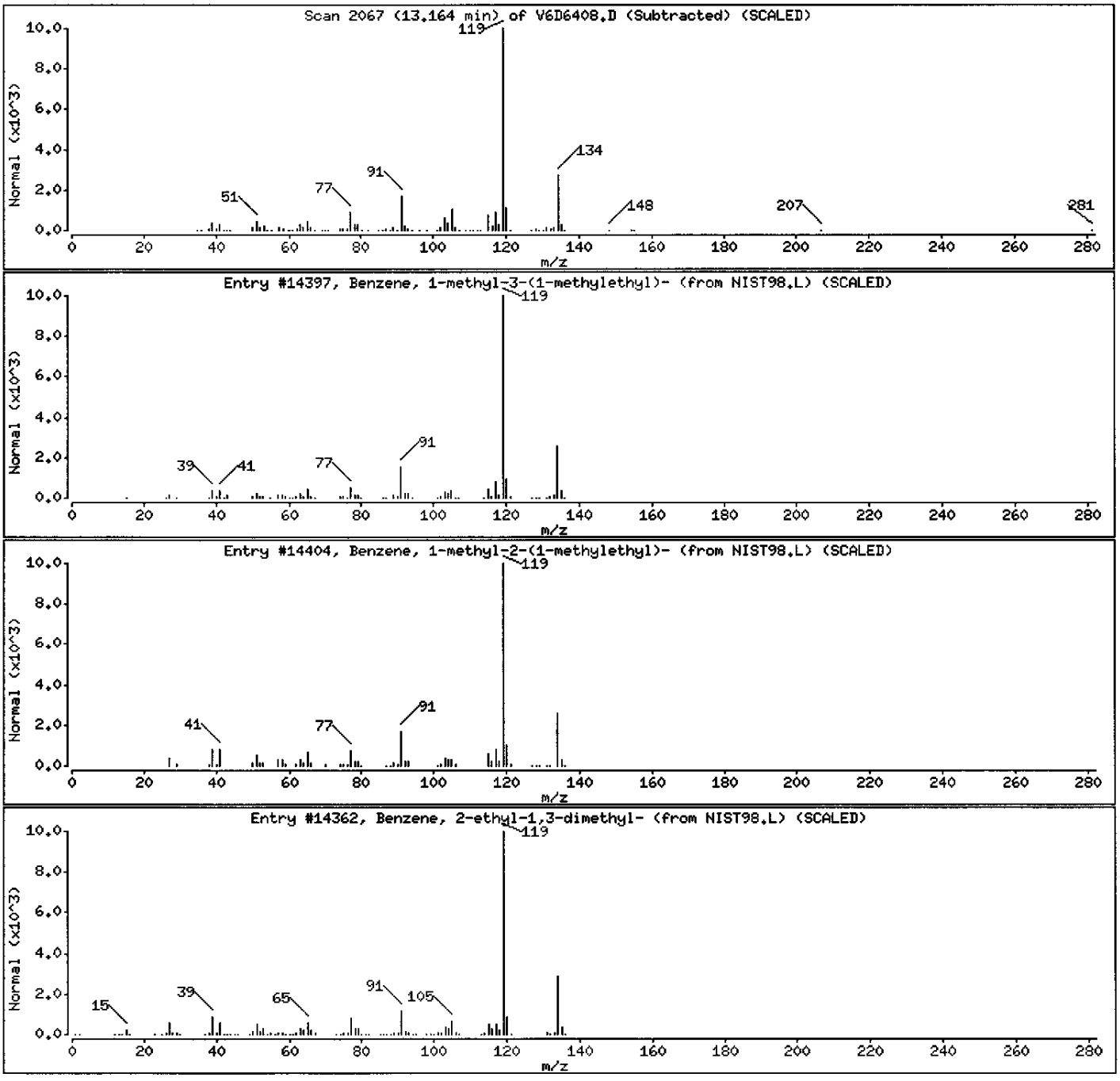
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NIST98.L	14397	95	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST98.L	14404	95	C10H14	134
Benzene, 2-ethyl-1,3-dimethyl-	2870-04-4	NIST98.L	14362	94	C10H14	134



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Date : 02-JUN-2005 19:00

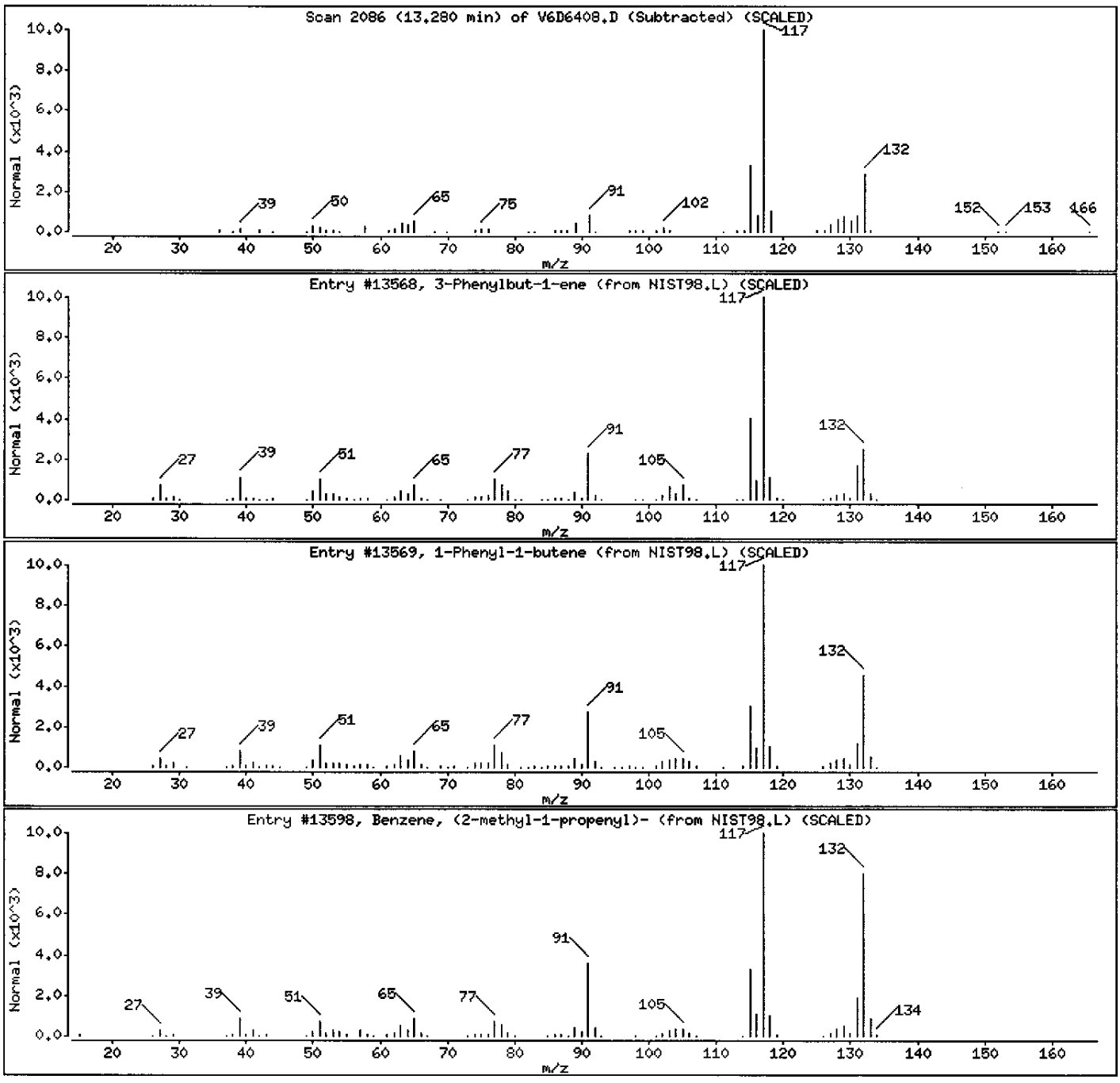
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Phenylbut-1-ene	934-10-1	NIST98.L	13568	80	C10H12	132
1-Phenyl-1-butene	824-90-8	NIST98.L	13569	78	C10H12	132
Benzene, (2-methyl-1-propenyl)-	768-49-0	NIST98.L	13598	78	C10H12	132



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Date : 02-JUN-2005 19:00

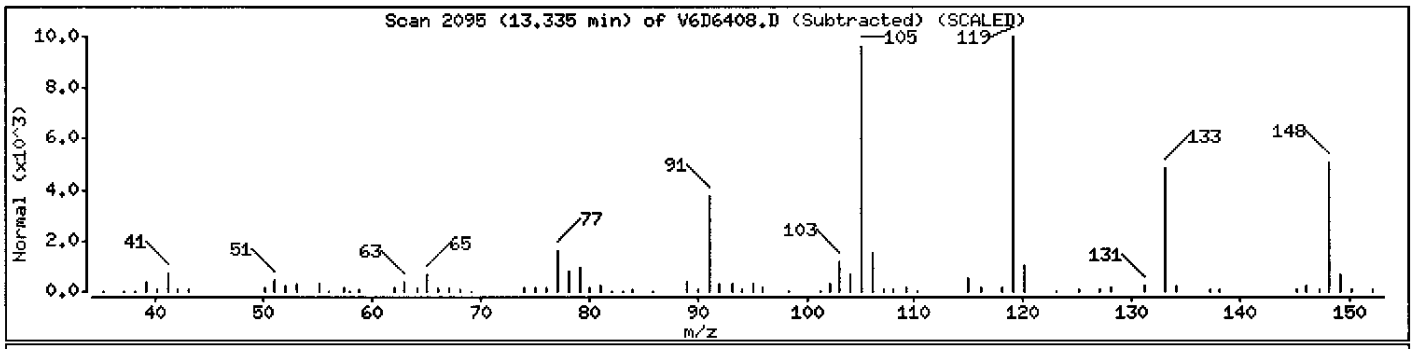
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 02-JUN-2005 19:00

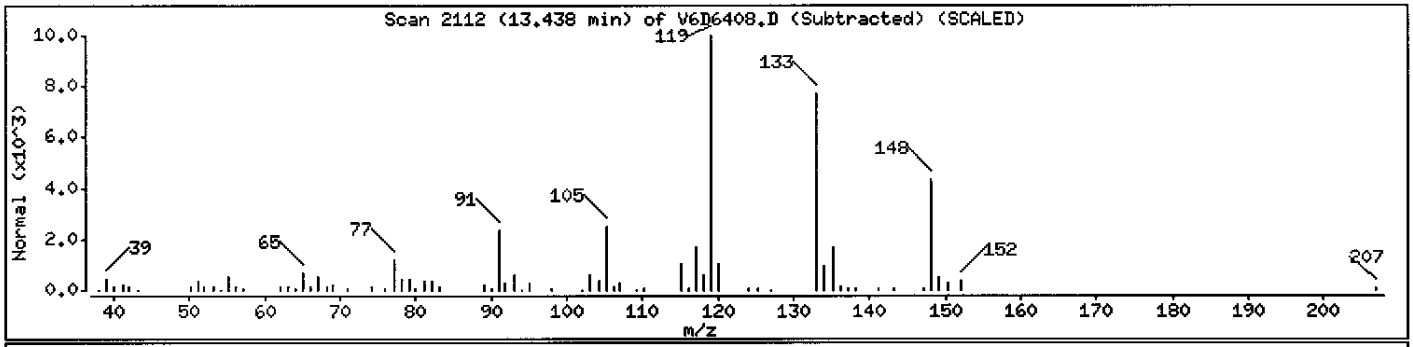
Client ID: MW-07 Instrument: V6.i

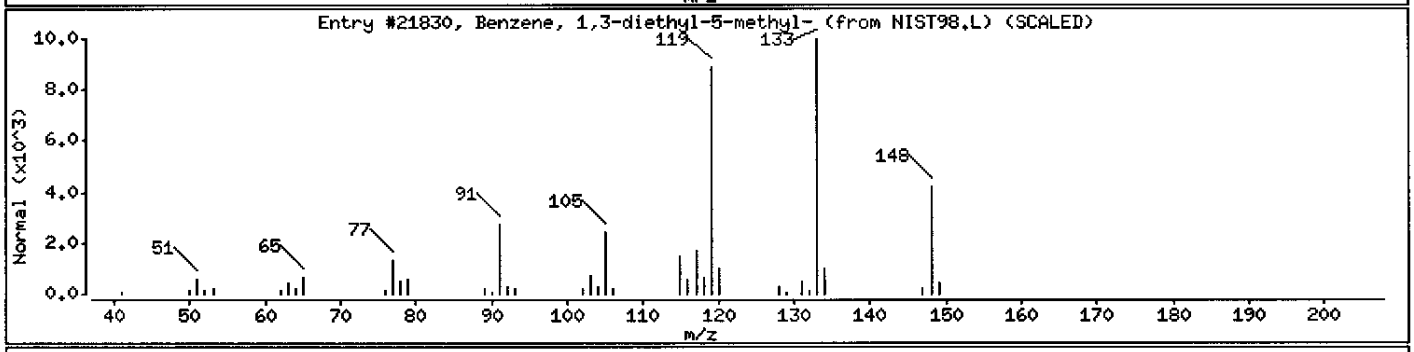
Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,3-diethyl-5-methyl-	2050-24-0	NIST98.L	21830	94	C11H16	148





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Date : 02-JUN-2005 19:00

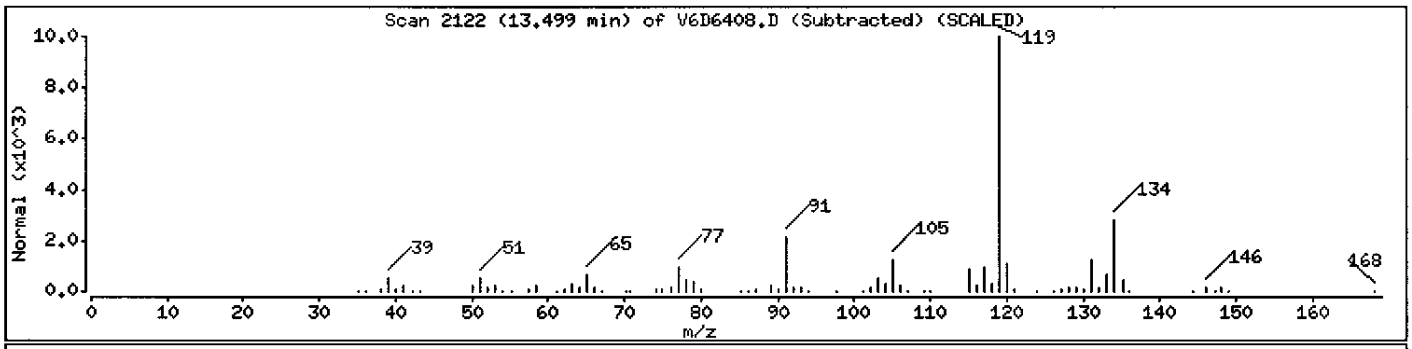
Client ID: MW-07 Instrument: V6.i

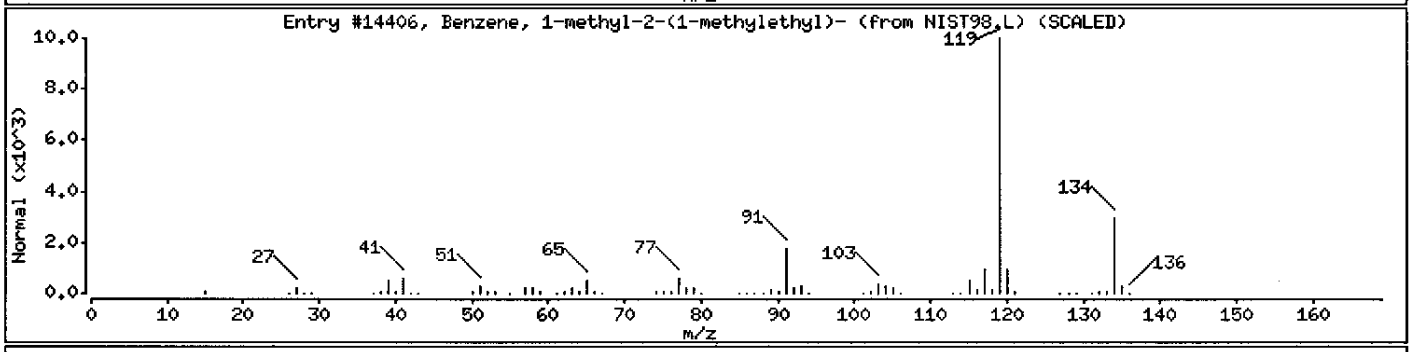
Sample Info: ,D0618-06A,MW-06,18358

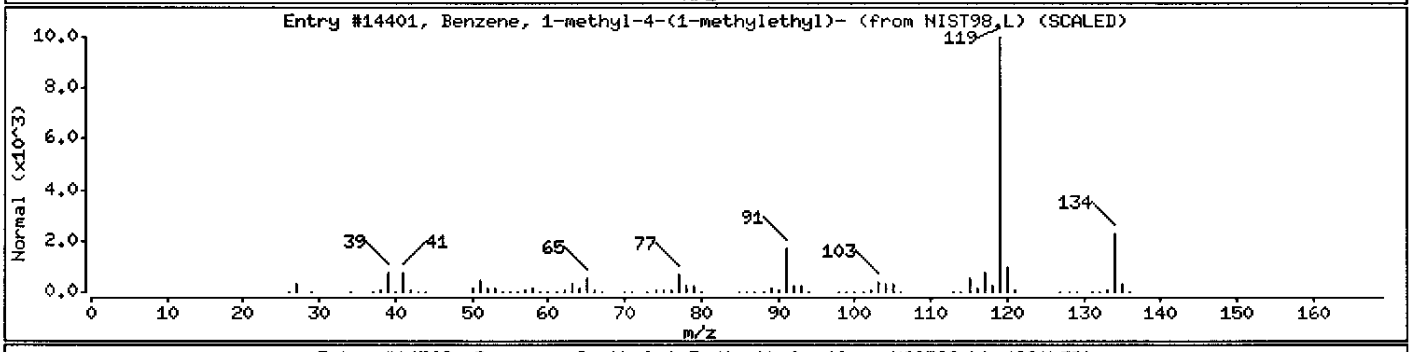
Purge Volume: 5.0 Operator: SB SRC: LIMS

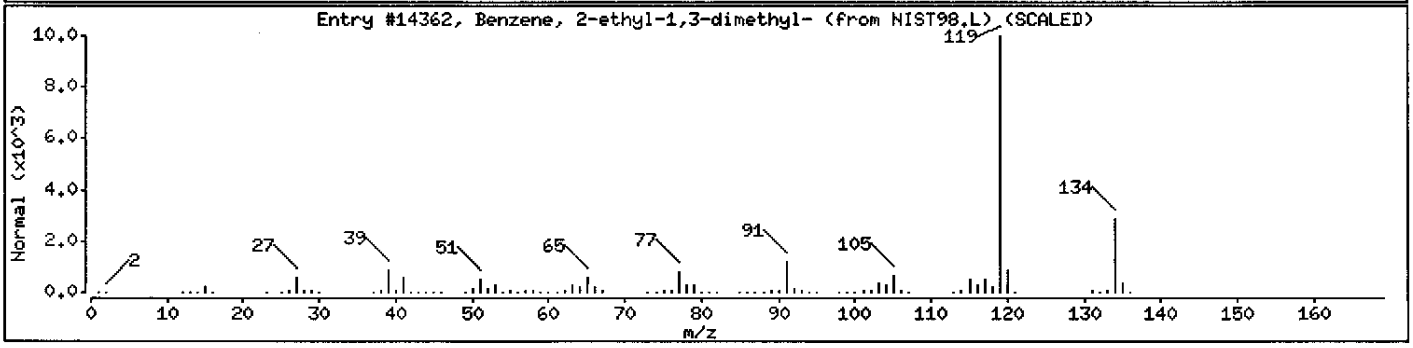
Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST98.L	14406	94	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NIST98.L	14401	94	C10H14	134
Benzene, 2-ethyl-1,3-dimethyl-	2870-04-4	NIST98.L	14362	93	C10H14	134









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Date : 02-JUN-2005 19:00

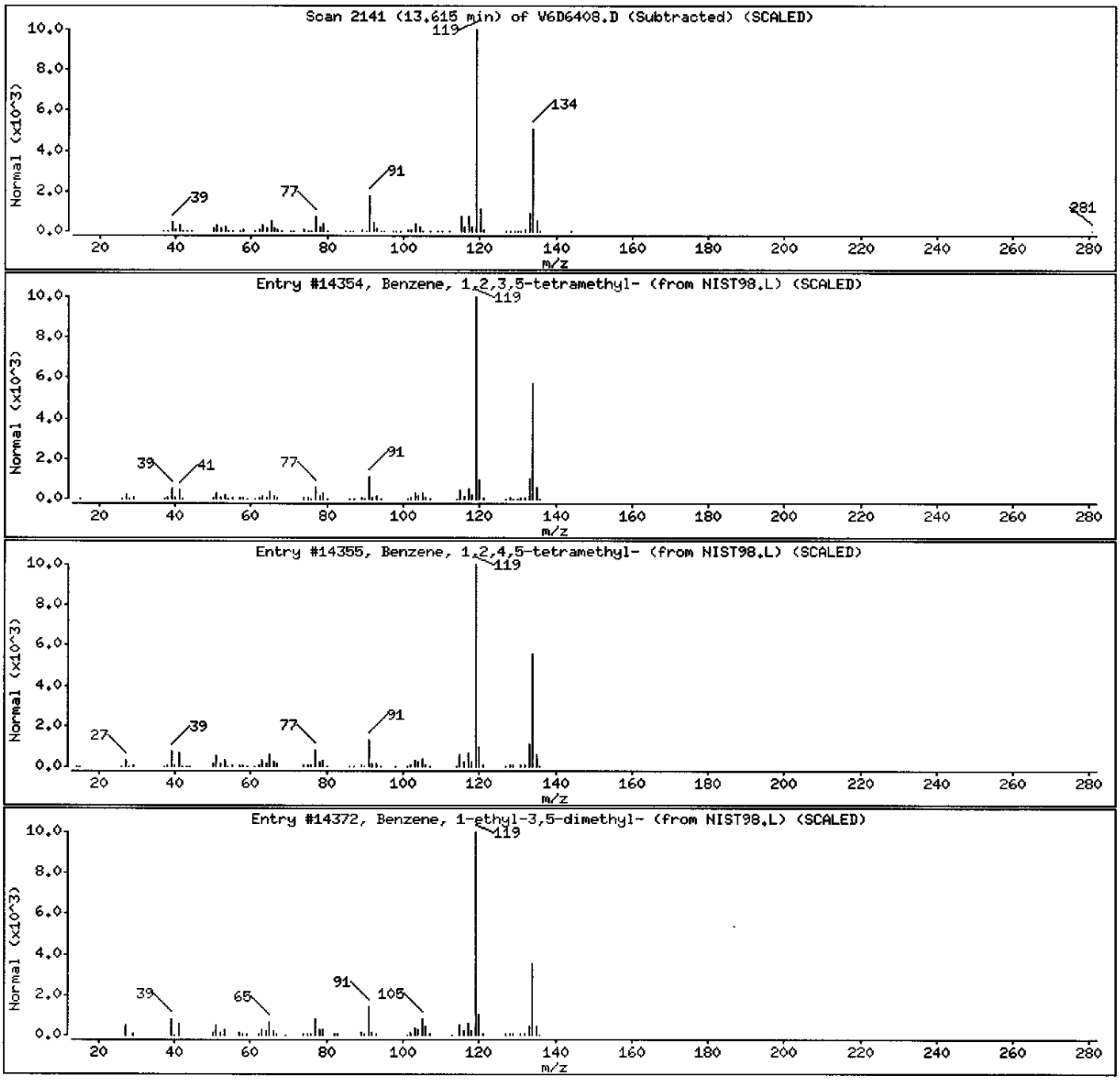
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3,5-tetramethyl-	527-53-7	NIST98.L	14354	94	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NIST98.L	14355	94	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NIST98.L	14372	94	C10H14	134



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Date : 02-JUN-2005 19:00

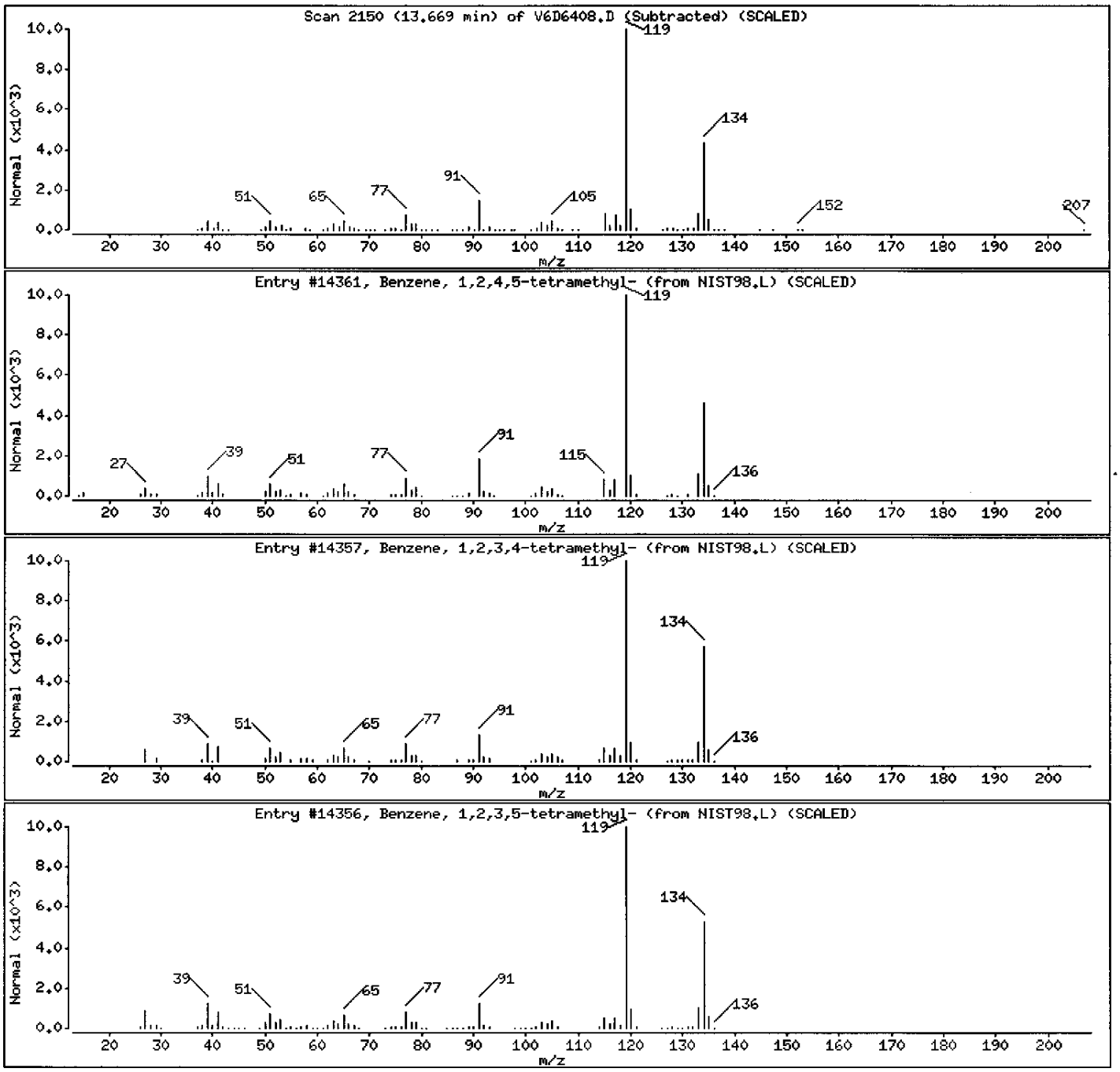
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NIST98.L	14361	97	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NIST98.L	14357	95	C10H14	134
Benzene, 1,2,3,5-tetramethyl-	527-53-7	NIST98.L	14356	95	C10H14	134



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Date : 02-JUN-2005 19:00

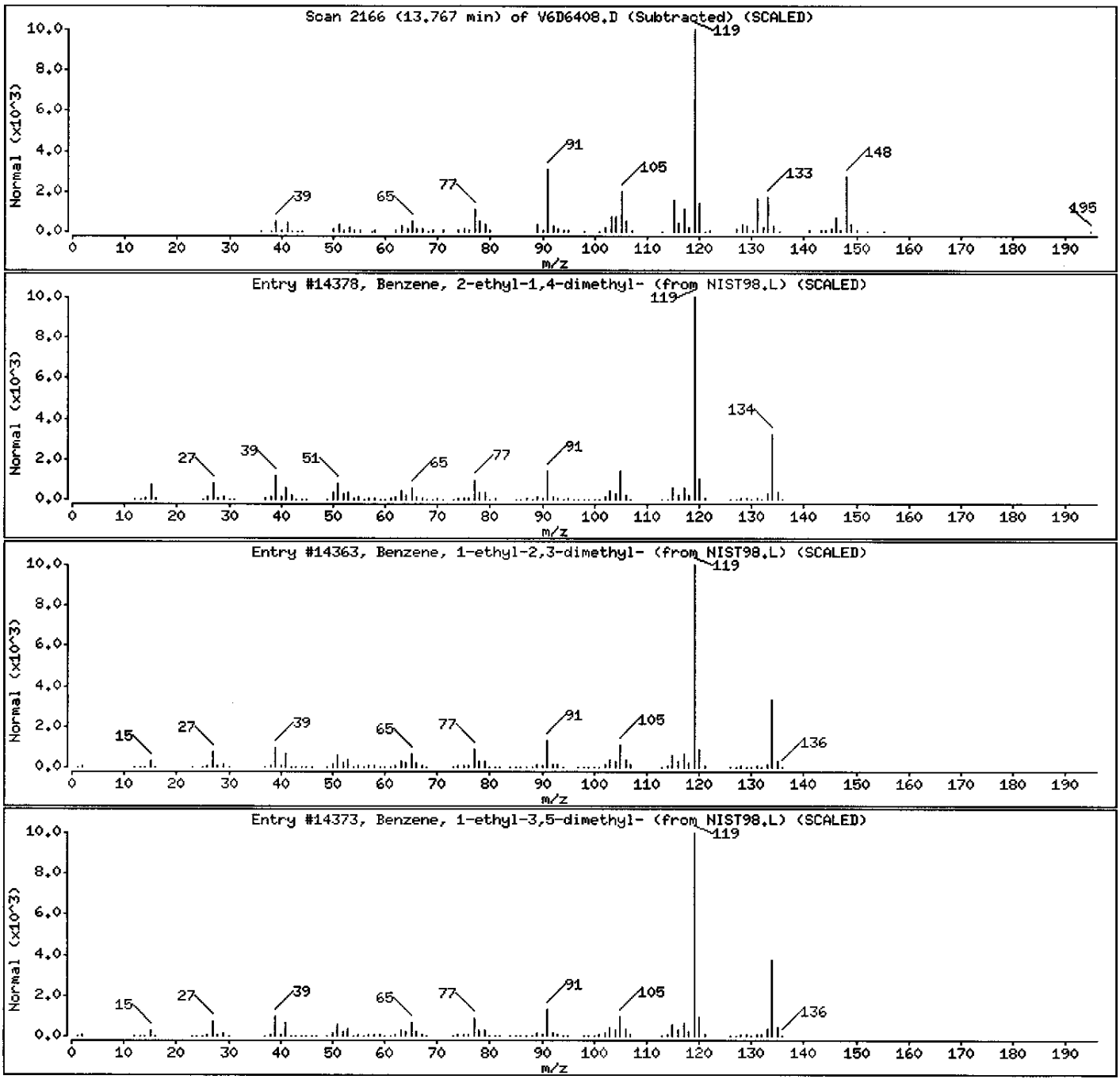
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NIST98.L	14378	64	C10H14	134
Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	NIST98.L	14363	64	C10H14	134
Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	NIST98.L	14373	60	C10H14	134



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D

Date : 02-JUN-2005 19:00

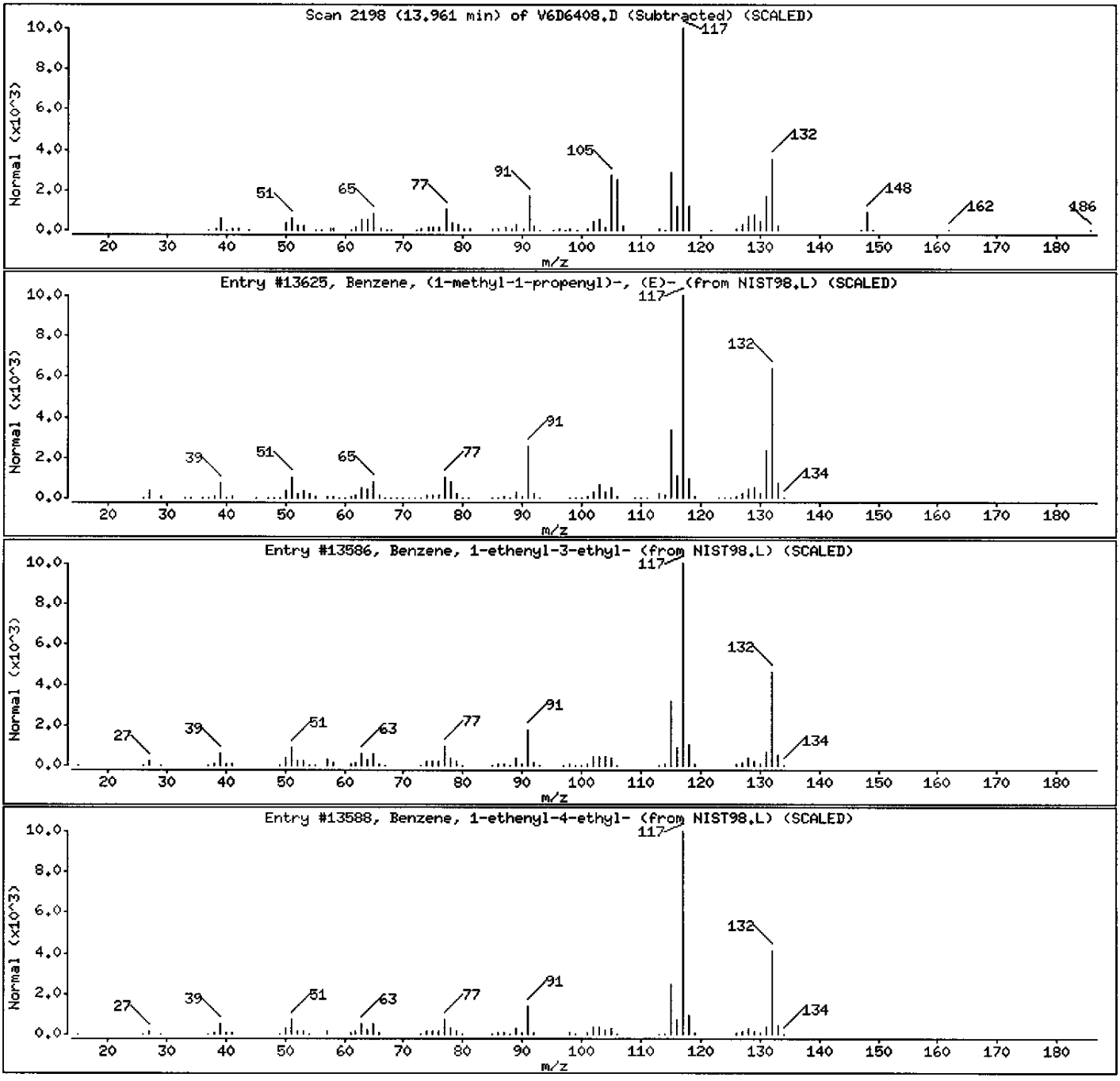
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methyl-1-propenyl)-, (E)-	768-00-3	NIST98.L	13625	76	C10H12	132
Benzene, 1-ethenyl-3-ethyl-	7525-62-4	NIST98.L	13586	70	C10H12	132
Benzene, 1-ethenyl-4-ethyl-	3454-07-7	NIST98.L	13588	70	C10H12	132



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Date : 02-JUN-2005 19:00

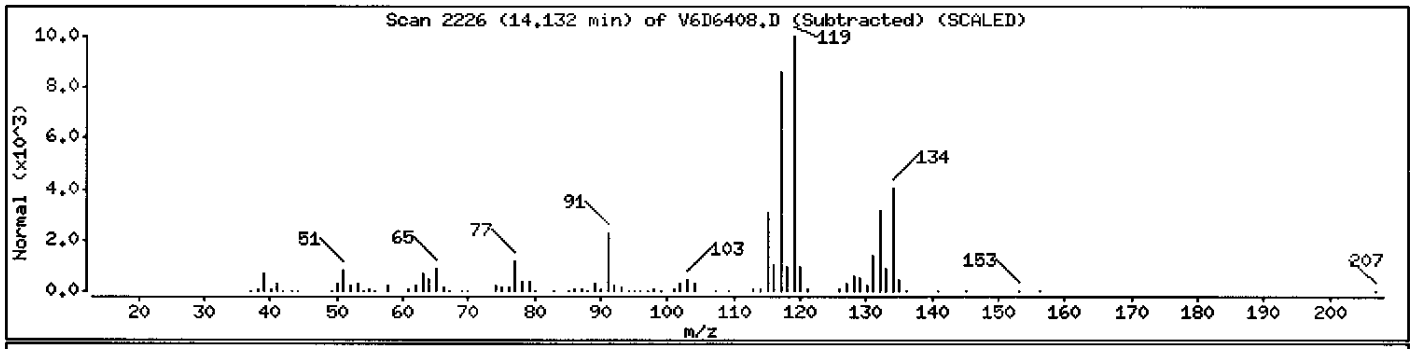
Client ID: MW-07 Instrument: V6.i

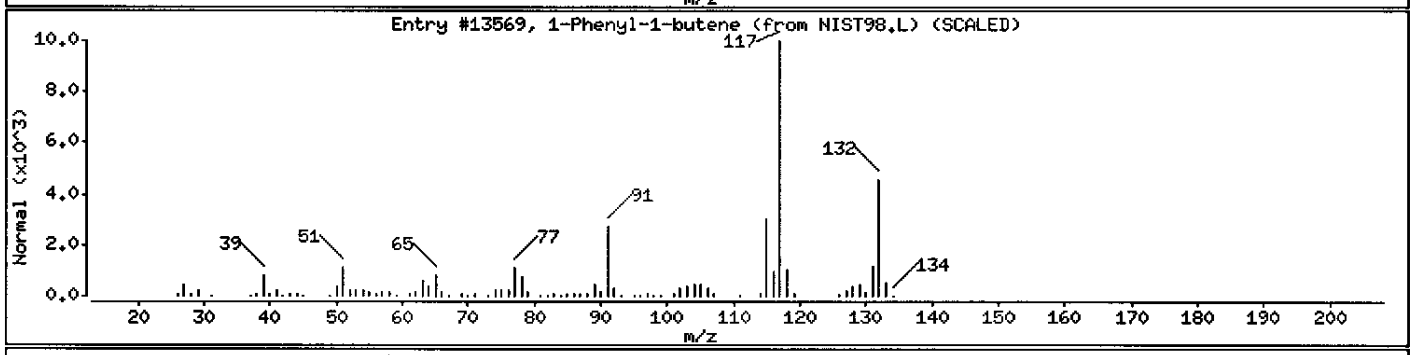
Sample Info: ,D0618-06A,MW-06,18358

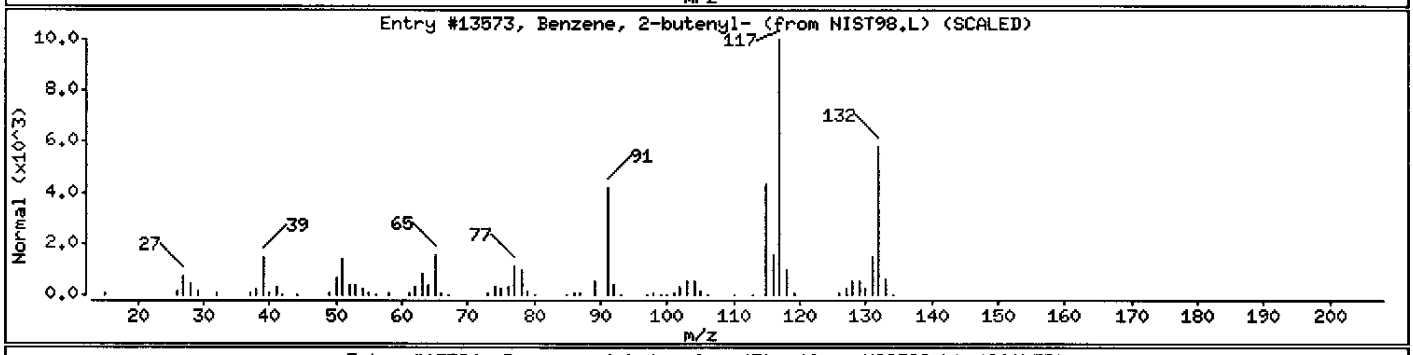
Purge Volume: 5.0 Operator: SB SRC: LIMS

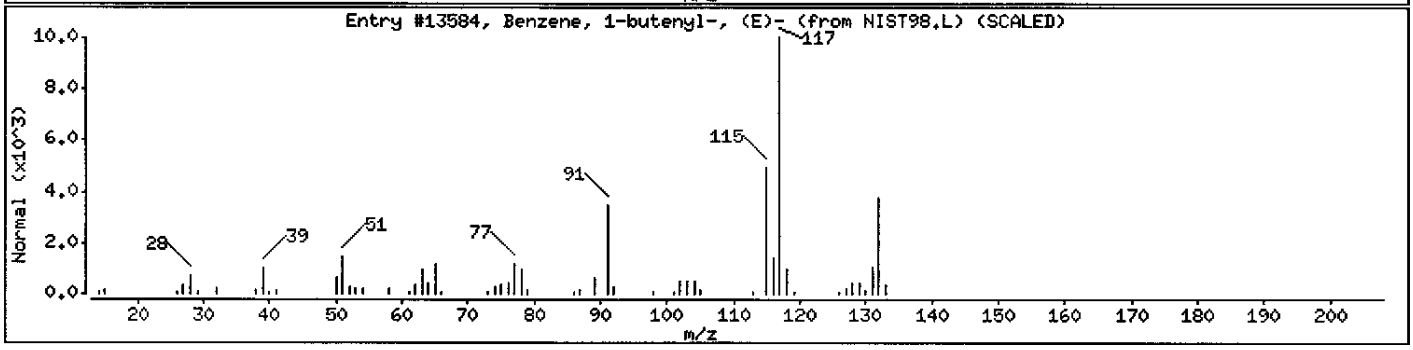
Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Phenyl-1-butene	824-90-8	NIST98.L	13569	95	C10H12	132
Benzene, 2-butenyl-	1560-06-1	NIST98.L	13573	64	C10H12	132
Benzene, 1-butenyl-, (E)-	1005-64-7	NIST98.L	13584	64	C10H12	132









Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6408.D

Date : 02-JUN-2005 19:00

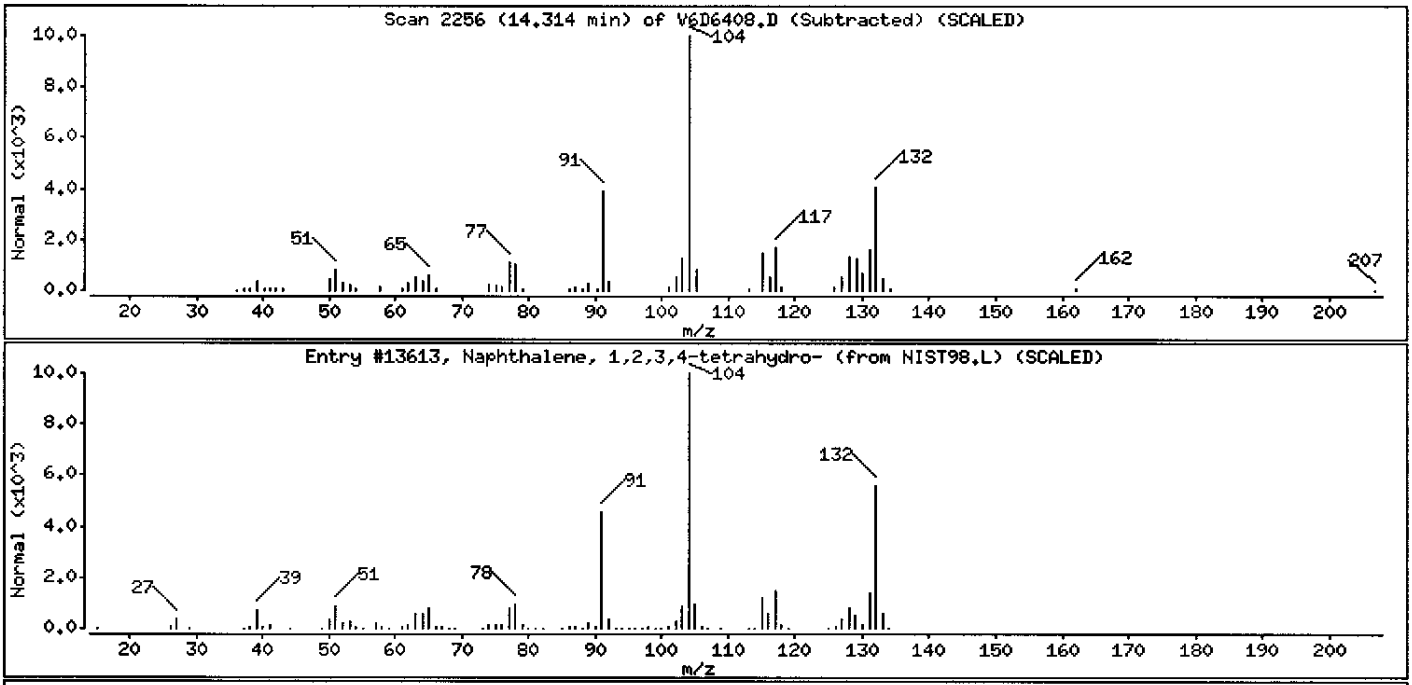
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-	119-64-2	NIST98.L	13613	93	C10H12	132



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Date : 02-JUN-2005 19:00

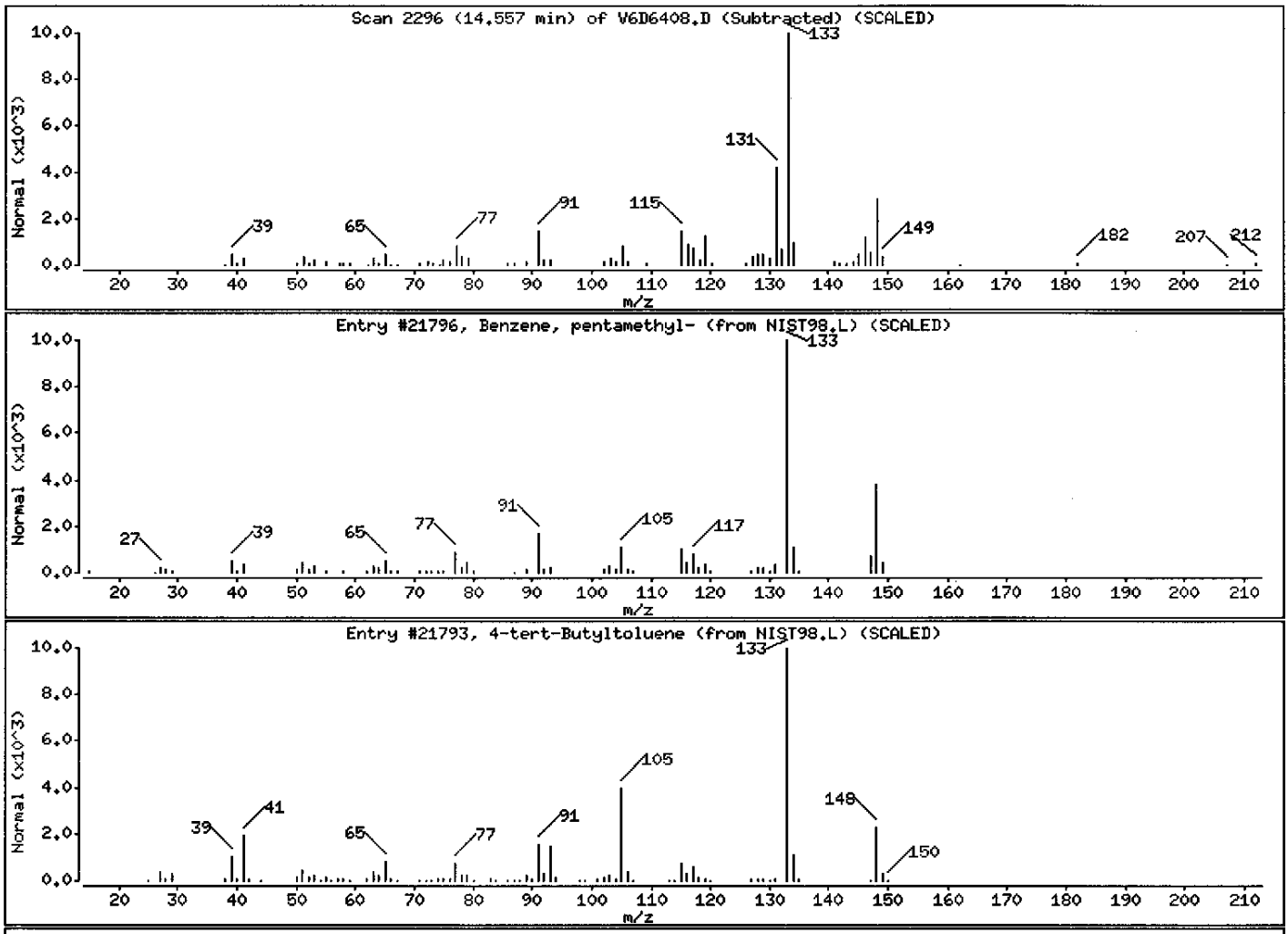
Client ID: MW-07 Instrument: V6.i

Sample Info: ,D0618-06A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, pentamethyl-	700-12-9	NIST98.L	21796	64	C11H16	148
4-tert-Butyltoluene	98-51-1	NIST98.L	21793	60	C11H16	148



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6432

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	500	U
74-87-3	Chloromethane	500	U
75-01-4	Vinyl Chloride	1000	D
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	500	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	500	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	500	U
79-20-9	Methyl Acetate	500	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
1634-04-4	Methyl tert-Butyl Ether	500	U
75-34-3	1,1-Dichloroethane	500	U
156-59-2	cis-1,2-Dichloroethene	7100	D
78-93-3	2-Butanone	500	U
67-66-3	Chloroform	500	U
71-55-6	1,1,1-Trichloroethane	500	U
110-82-7	Cyclohexane	500	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	500	U
107-06-2	1,2-Dichloroethane	500	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6432

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	6500	D
108-87-2	Methylcyclohexane	500	U
78-87-5	1,2-Dichloropropane	500	U
75-27-4	Bromodichloromethane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	12000	DE
591-78-6	2-Hexanone	500	U
124-48-1	Dibromochloromethane	500	U
106-93-4	1,2-Dibromoethane	500	U
108-90-7	Chlorobenzene	500	U
100-41-4	Ethylbenzene	500	U
1330-20-7	Xylene (Total)	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
98-82-8	Isopropylbenzene	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
95-50-1	1,2-Dichlorobenzene	500	U
96-12-8	1,2-Dibromo-3-chloropropane	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U

1F

EPA SAMPLE NO.

MW-07DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6432

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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21.					
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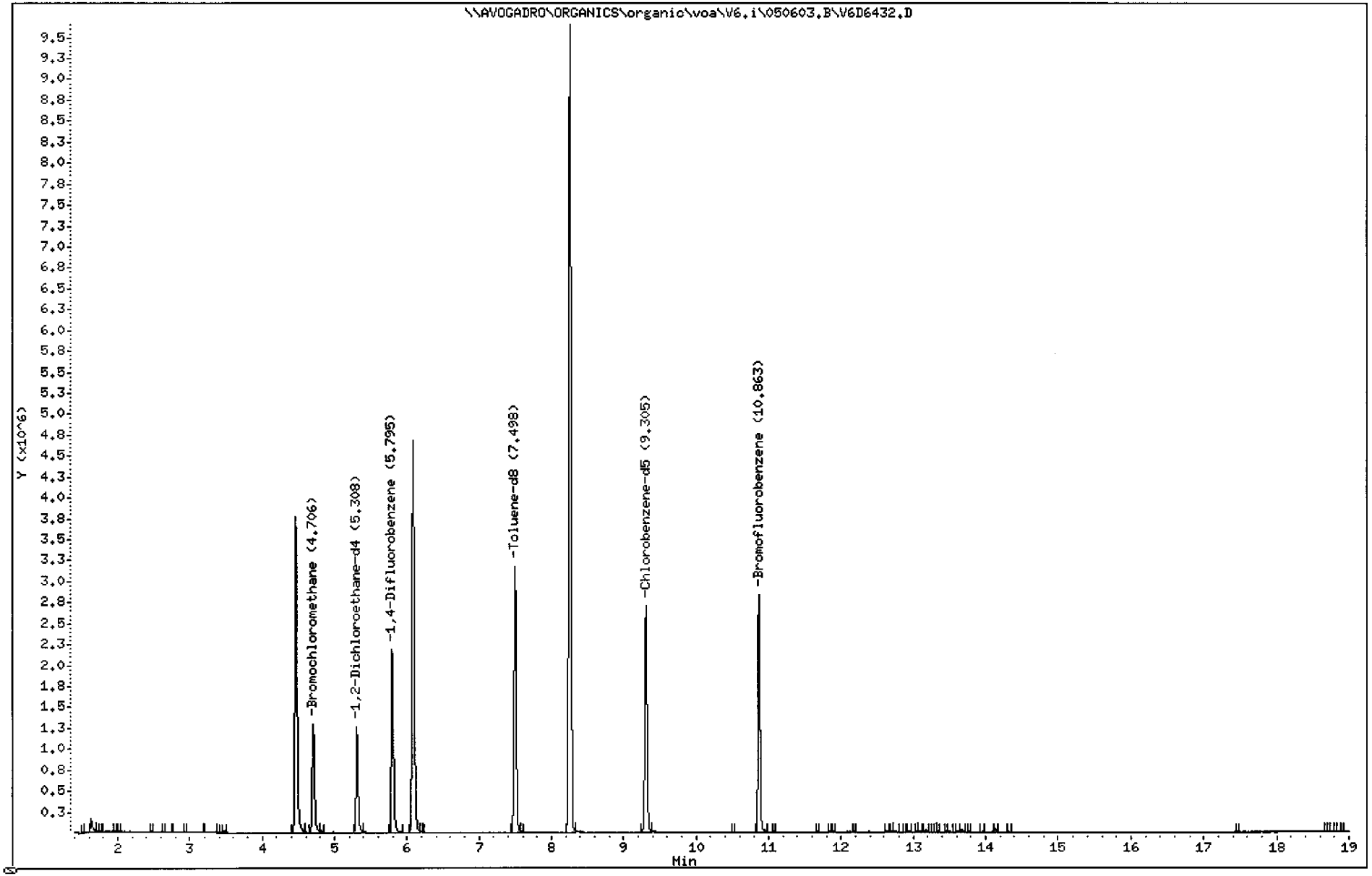
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6432.D
Date : 03-JUN-2005 18:41
Client ID: MW-07DL
Instrument: V6.i
Sample Info: ,D0618-06ADL,18379,50X
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0150

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6432.D
Report Date: 22-Jun-2005 17:02

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6432.D
Lab Smp Id: D0618-06ADL Client Smp ID: MW-07DL
Inj Date : 03-JUN-2005 18:41
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-06ADL,18379,50X
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\v6clp4s.m
Meth Date : 06-Jun-2005 09:32 mtl Quant Type: ISTD
Cal Date : 03-JUN-2005 11:51 Cal File: V6D6421.D
Als bottle: 12
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	50.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	3 Vinyl Chloride	62	1.634	1.627	(0.347)	215555	20.1141	1000
	17 cis-1,2-Dichloroethene	96	4.463	4.462	(0.948)	1666716	141.366	7100
*	18 Bromochloromethane	128	4.706	4.699	(1.000)	409844	50.0000	
$	23 1,2-Dichloroethane-d4	65	5.308	5.301	(1.128)	1151082	49.2743	49
*	26 1,4-Difluorobenzene	114	5.795	5.794	(1.000)	1901301	50.0000	
	27 Trichloroethene	130	6.087	6.086	(1.050)	1819756	129.586	6500
$	33 Toluene-d8	98	7.498	7.492	(0.806)	2411440	48.2657	48
	37 Tetrachloroethene	164	8.259	8.252	(0.888)	2764409	241.505	12000(A)
*	42 Chlorobenzene-d5	117	9.305	9.304	(1.000)	1839459	50.0000	
$	50 Bromofluorobenzene	95	10.863	10.862	(1.167)	1027280	49.3973	49

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

KL 6/22/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6432.D
Report Date: 22-Jun-2005 17:02

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6432.D
Lab Smp Id: D0618-06ADL Client Smp ID: MW-07DL
Inj Date : 03-JUN-2005 18:41
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-06ADL,18379,50X
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\v6clp4s.m
Meth Date : 06-Jun-2005 09:32 mtl Quant Type: ISTD
Cal Date : 03-JUN-2005 11:51 Cal File: V6D6421.D
Als bottle: 12
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6432.D

Date : 03-JUN-2005 18:41

Client ID: MW-07DL

Instrument: V6.i

Sample Info: ,D0618-06ADL,18379,50X

Purge Volume: 5.0

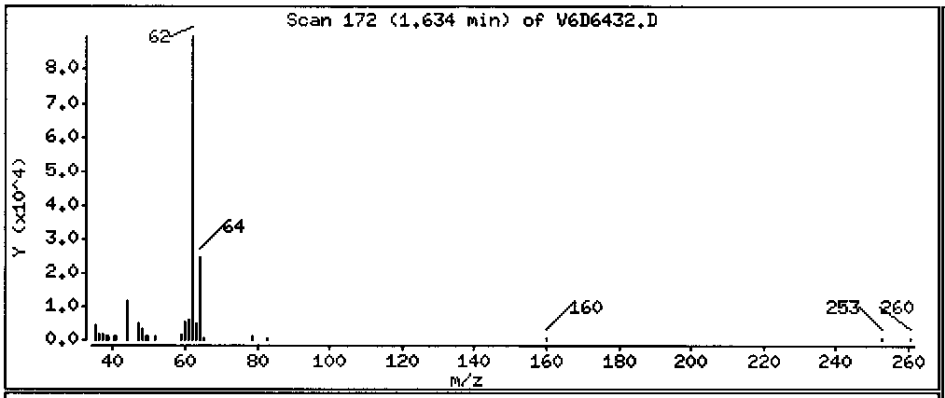
Operator: SB SRC: SB

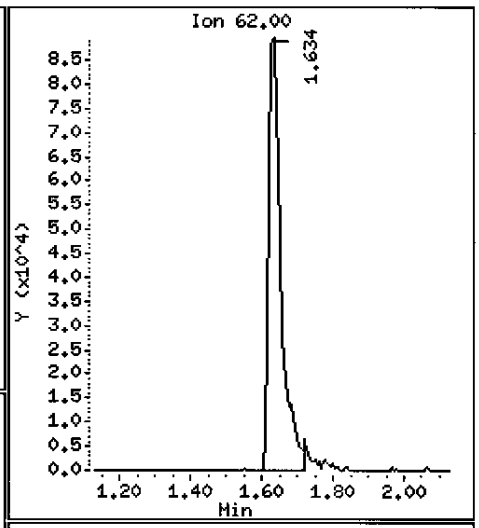
Column phase: DB-624

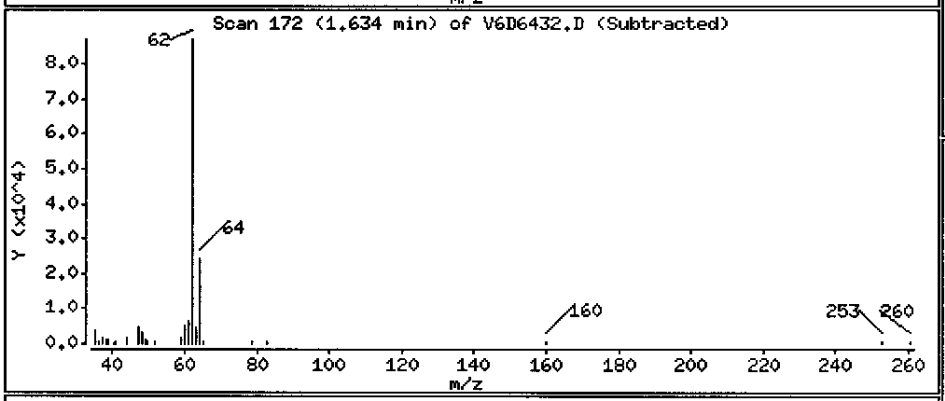
Column diameter: 0.25

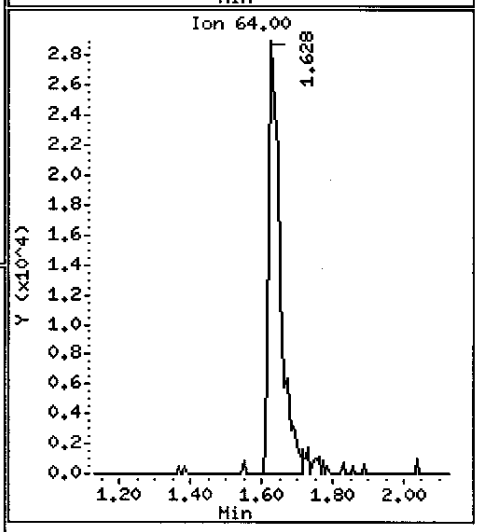
3 Vinyl Chloride

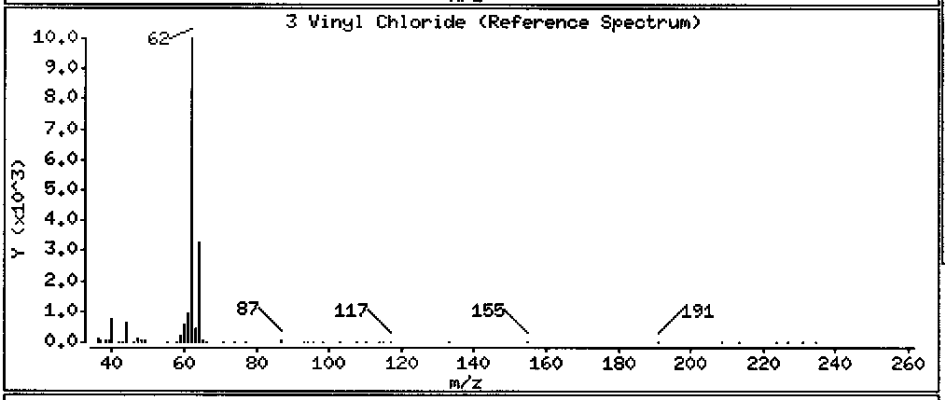
Concentration: 1000 ug/L

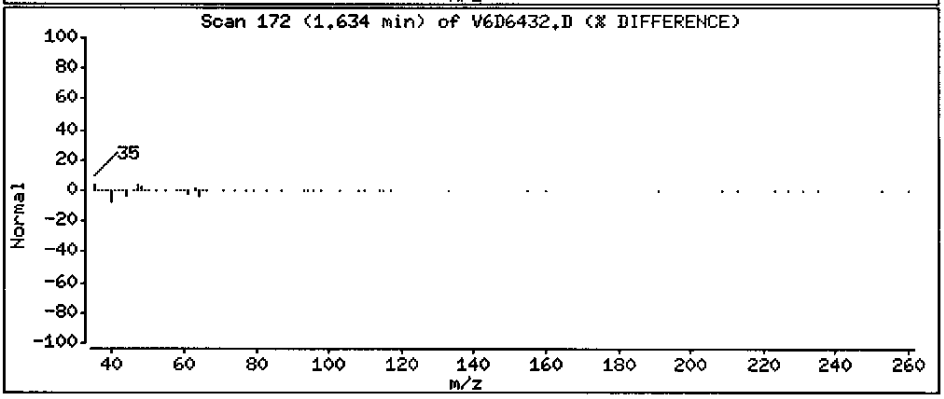












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6432.D

Date : 03-JUN-2005 18:41

Client ID: MW-07DL

Instrument: V6.i

Sample Info: ,D0618-06ADL,18379,50X

Purge Volume: 5.0

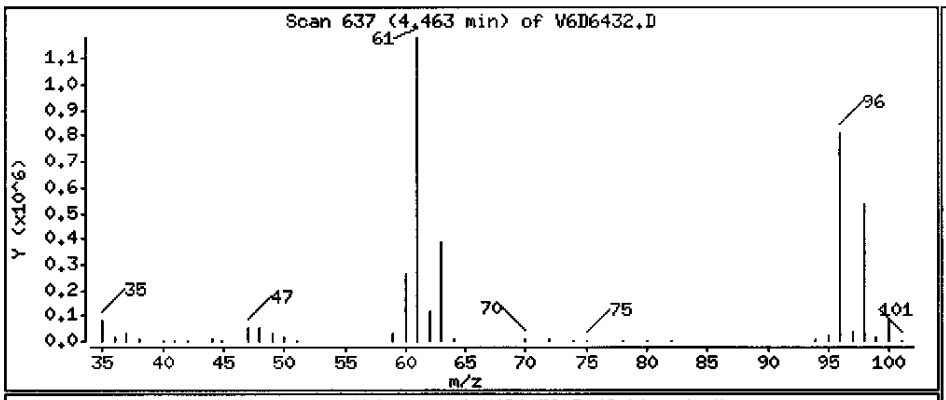
Operator: SB SRC: SB

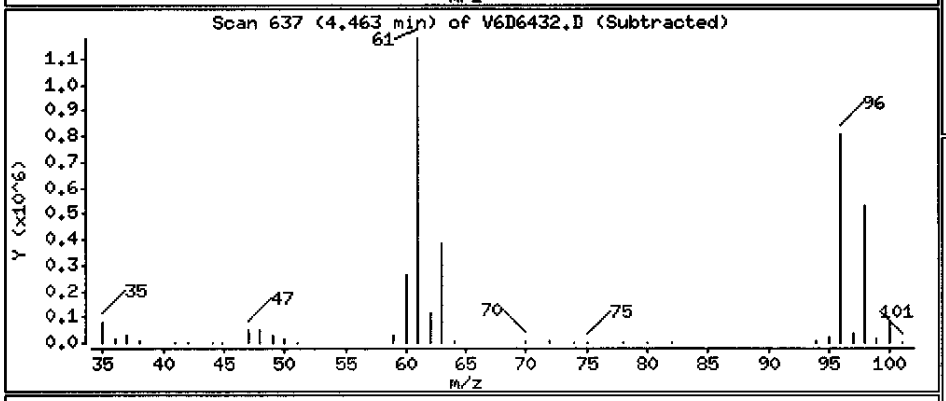
Column phase: DB-624

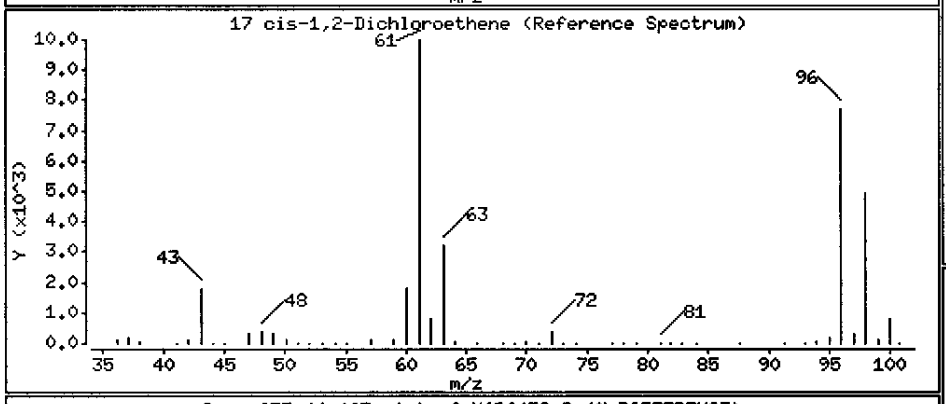
Column diameter: 0.25

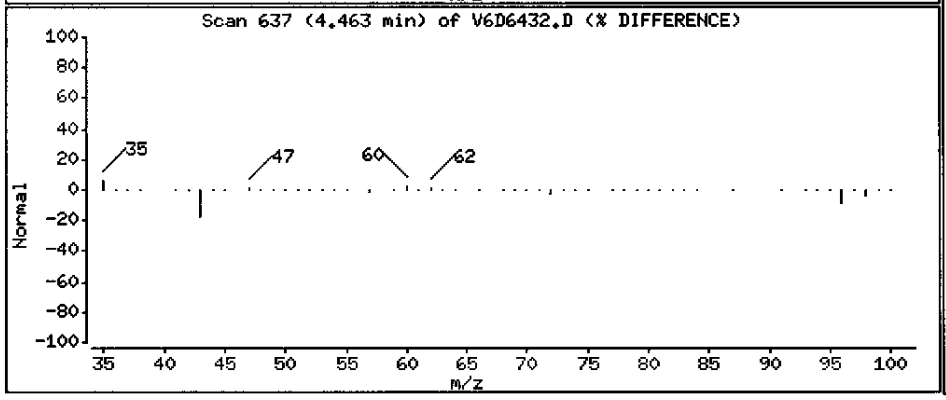
17 cis-1,2-Dichloroethene

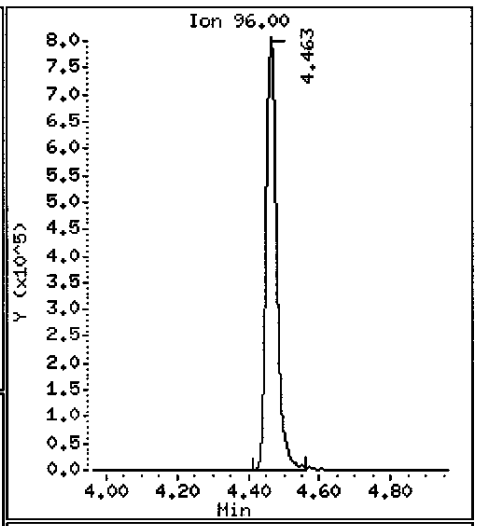
Concentration: 7100 ug/L

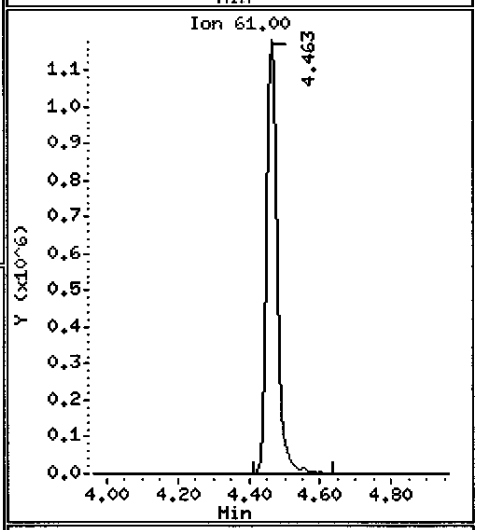


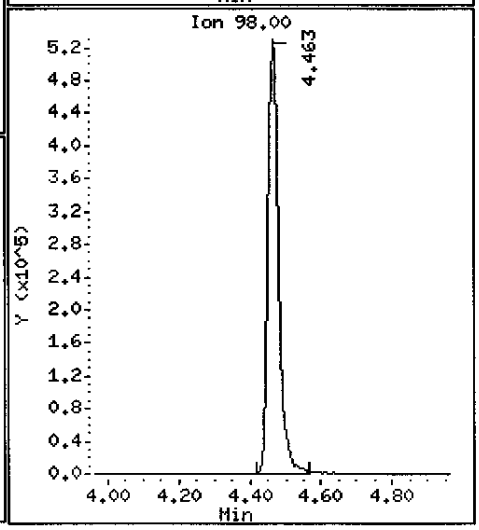












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6432.D

Date : 03-JUN-2005 18:41

Client ID: MW-07DL

Instrument: V6.i

Sample Info: ,D0618-06ADL,18379,50X

Purge Volume: 5.0

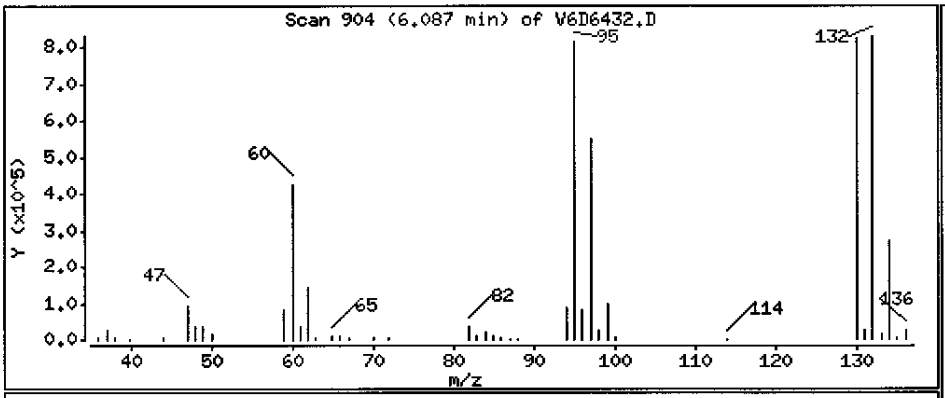
Operator: SB SRC: SB

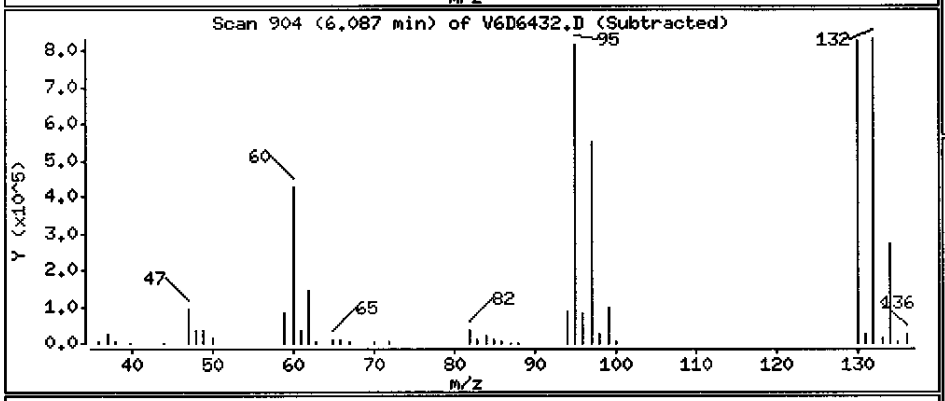
Column phase: DB-624

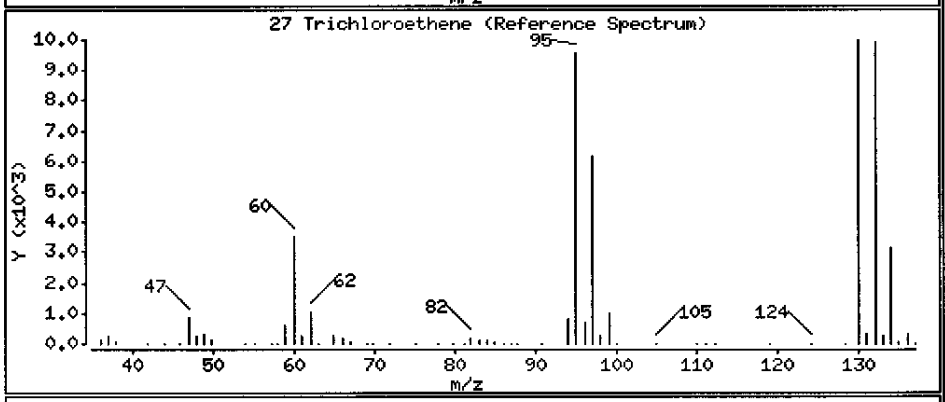
Column diameter: 0.25

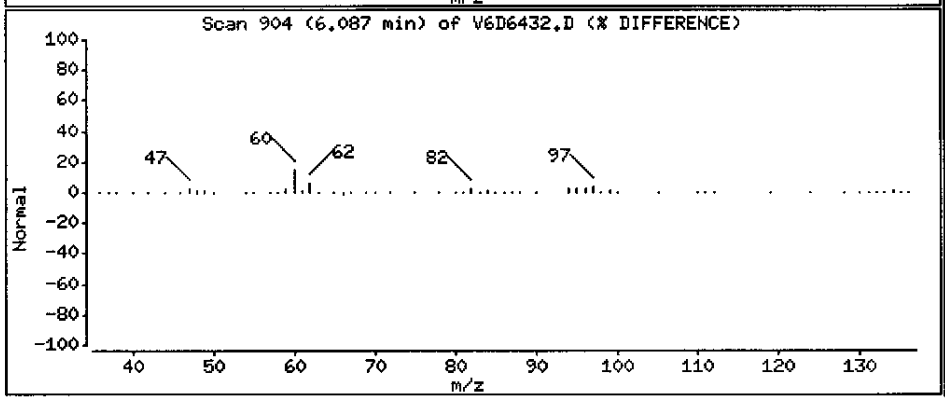
27 Trichloroethene

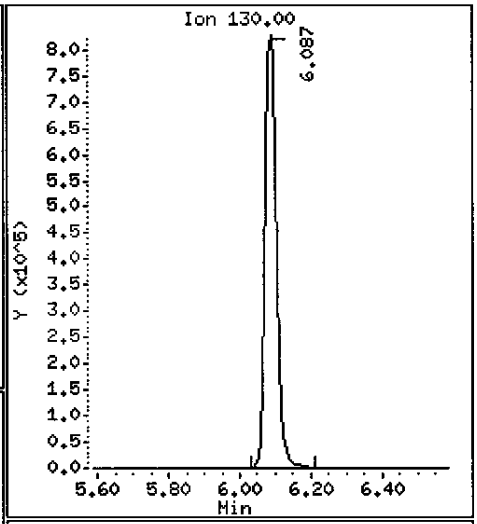
Concentration: 6500 ug/L

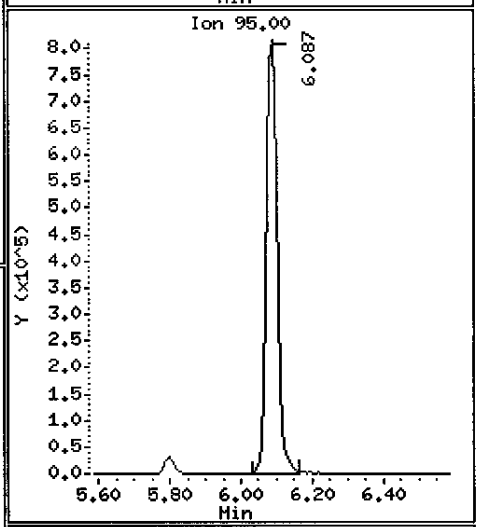


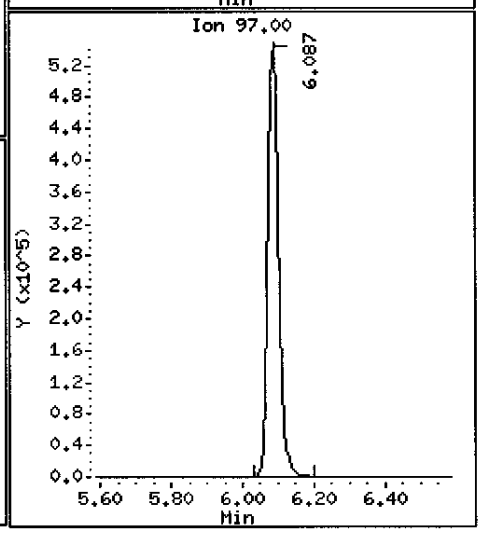












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6432.D

Date : 03-JUN-2005 18:41

Client ID: MW-07DL

Instrument: V6.i

Sample Info: ,D0618-06ADL,18379,50X

Purge Volume: 5.0

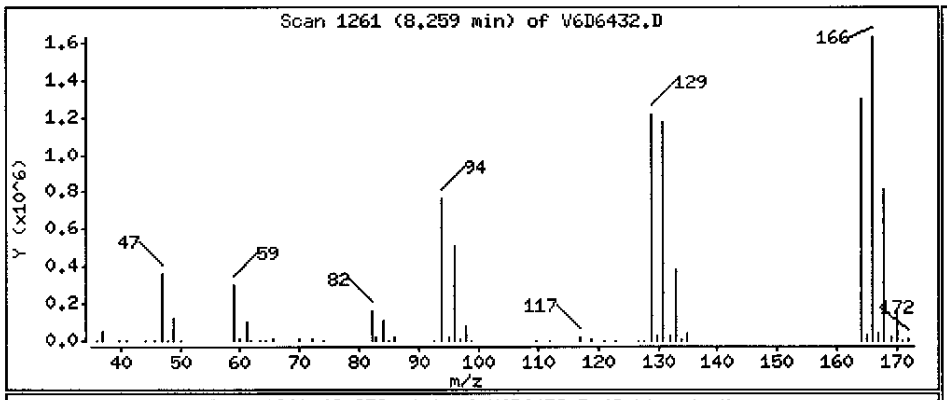
Operator: SB SRC: SB

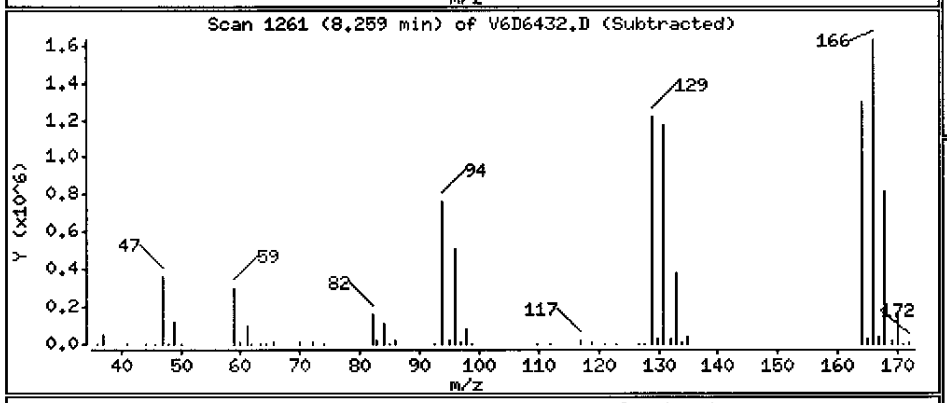
Column phase: DB-624

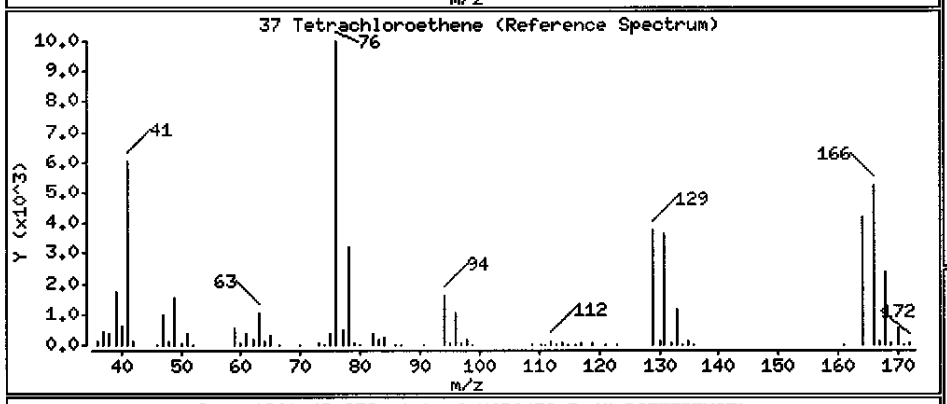
Column diameter: 0.25

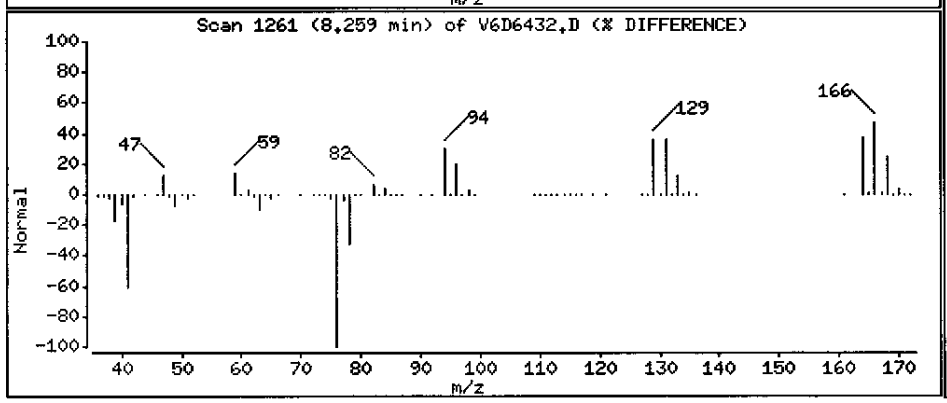
37 Tetrachloroethene

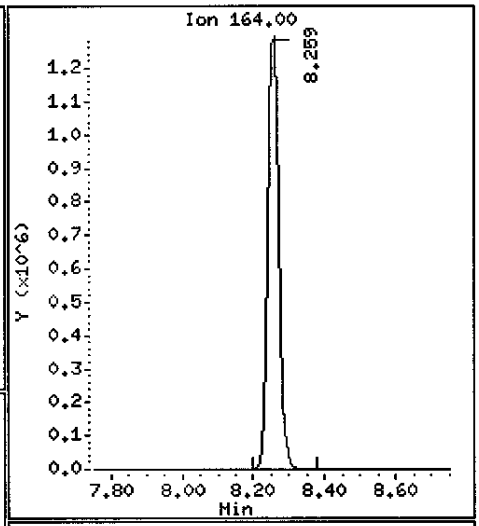
Concentration: 12000 ug/L

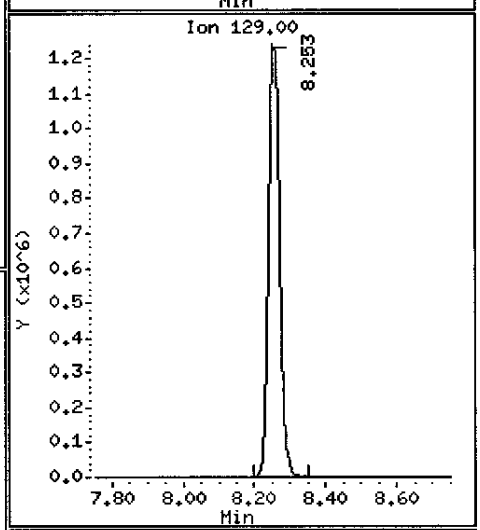


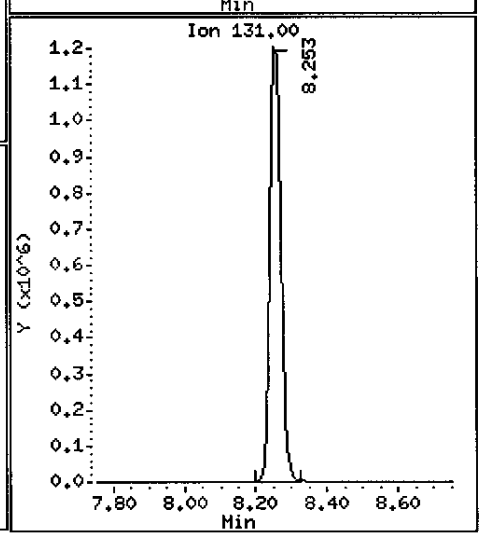












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07DL1

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06ADL1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6826

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	1000	U
74-87-3	Chloromethane	1000	U
75-01-4	Vinyl Chloride	660	DJ
74-83-9	Bromomethane	1000	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	1000	U
75-35-4	1,1-Dichloroethene	1000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1000	U
67-64-1	Acetone	1000	U
75-15-0	Carbon Disulfide	1000	U
79-20-9	Methyl Acetate	1000	U
75-09-2	Methylene Chloride	1000	U
156-60-5	trans-1,2-Dichloroethene	1000	U
1634-04-4	Methyl tert-Butyl Ether	1000	U
75-34-3	1,1-Dichloroethane	1000	U
156-59-2	cis-1,2-Dichloroethene	6200	D
78-93-3	2-Butanone	1000	U
67-66-3	Chloroform	1000	U
71-55-6	1,1,1-Trichloroethane	1000	U
110-82-7	Cyclohexane	1000	U
56-23-5	Carbon Tetrachloride	1000	U
71-43-2	Benzene	1000	U
107-06-2	1,2-Dichloroethane	1000	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07DL1

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06ADL1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6826

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5900	D
108-87-2	Methylcyclohexane	1000	U
78-87-5	1,2-Dichloropropane	1000	U
75-27-4	Bromodichloromethane	1000	U
10061-01-5	cis-1,3-Dichloropropene	1000	U
108-10-1	4-Methyl-2-Pentanone	1000	U
108-88-3	Toluene	1000	U
10061-02-6	trans-1,3-Dichloropropene	1000	U
79-00-5	1,1,2-Trichloroethane	1000	U
127-18-4	Tetrachloroethene	9600	D
591-78-6	2-Hexanone	1000	U
124-48-1	Dibromochloromethane	1000	U
106-93-4	1,2-Dibromoethane	1000	U
108-90-7	Chlorobenzene	1000	U
100-41-4	Ethylbenzene	1000	U
1330-20-7	Xylene (Total)	1000	U
100-42-5	Styrene	1000	U
75-25-2	Bromoform	1000	U
98-82-8	Isopropylbenzene	1000	U
79-34-5	1,1,2,2-Tetrachloroethane	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
96-12-8	1,2-Dibromo-3-chloropropane	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U

1F

EPA SAMPLE NO.

MW-07DL1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06ADL1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6826

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

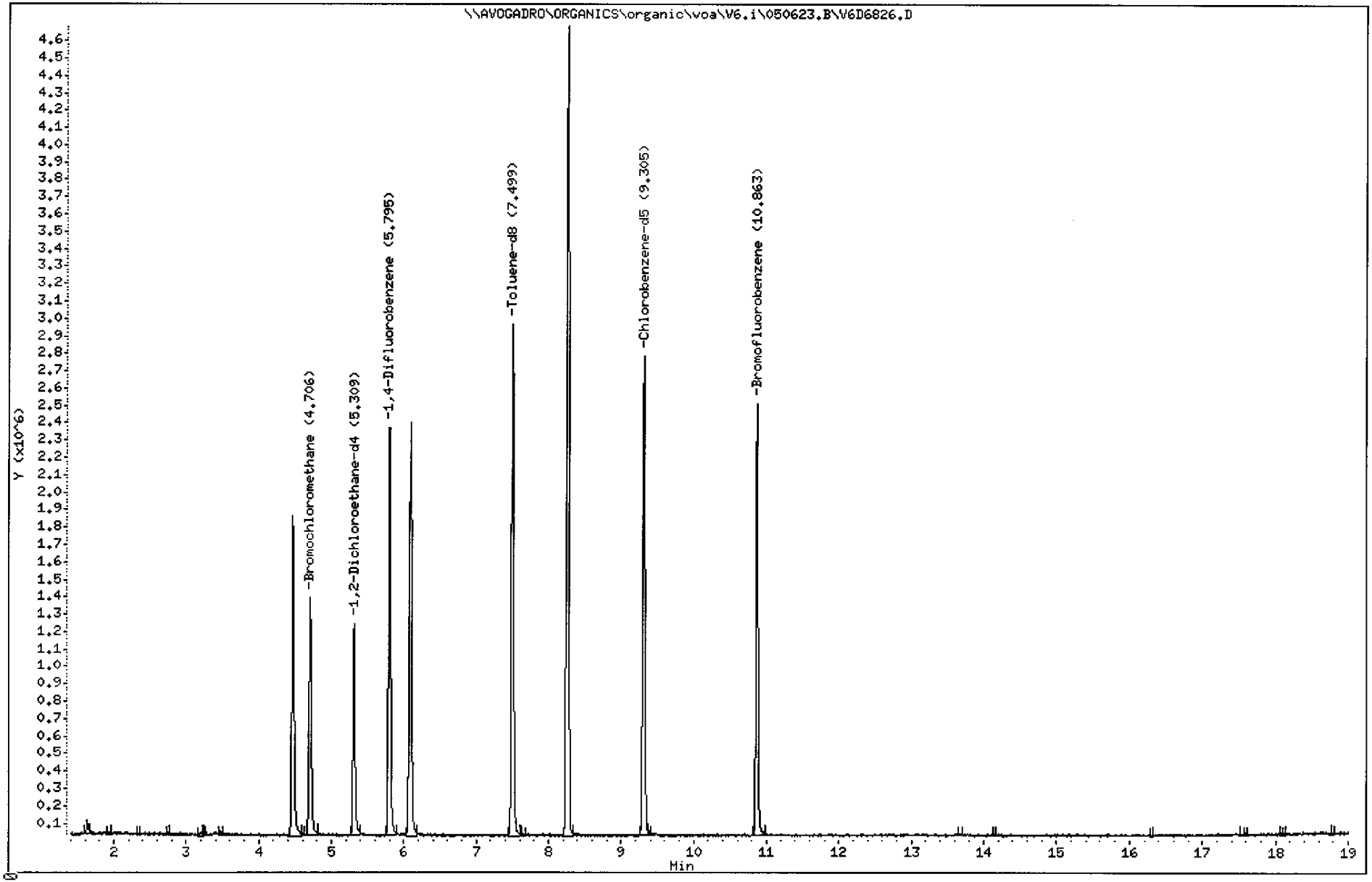
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6826.D
Date : 23-JUN-2005 13:44
Client ID: MW-07DL KL 6/26/05
Sample Info: ,D0618-06ADL,,18686,100
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i
Operator: SB SRC: SB
Column diameter: 0.25



0910

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6826.D
Report Date: 24-Jun-2005 13:29

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6826.D
Lab Smp Id: D0618-06ADL Client Smp ID: MW-07DL1
Inj Date : 23-JUN-2005 13:44
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-06ADL,,18686,100
Misc Info : ,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\v6clp4s.m
Meth Date : 24-Jun-2005 13:28 mtl Quant Type: ISTD
Cal Date : 23-JUN-2005 09:25 Cal File: V6D6821.D
Als bottle: 6
Dil Factor: 100.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

KL 6/24/05

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	100.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	3 Vinyl Chloride	62	1.628	1.630	(0.346)	90705	6.55916	660(a)
	17 cis-1,2-Dichloroethene	96	4.463	4.459	(0.948)	773522	62.4676	6200
*	18 Bromochloromethane	128	4.706	4.702	(1.000)	425096	50.0000	
$	23 1,2-Dichloroethane-d4	65	5.309	5.304	(1.128)	1152057	42.8680	43
*	26 1,4-Difluorobenzene	114	5.801	5.797	(1.000)	1942196	50.0000	
	27 Trichloroethene	130	6.087	6.083	(1.049)	882549	59.1644	5900
$	33 Toluene-d8	98	7.499	7.494	(0.806)	2184742	43.0151	43(R)
	37 Tetrachloroethene	164	8.259	8.255	(0.888)	1297213	96.3928	9600
*	42 Chlorobenzene-d5	117	9.305	9.307	(1.000)	1794608	50.0000	
$	50 Bromofluorobenzene	95	10.863	10.858	(1.167)	905286	42.6620	43(R)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

SB 6/24/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6826.D
Report Date: 24-Jun-2005 13:29

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6826.D
Lab Smp Id: D0618-06ADL Client Smp ID: MW-07DL KL 6/24/05
Inj Date : 23-JUN-2005 13:44
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-06ADL,,18686,100
Misc Info : ,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\v6clp4s.m
Meth Date : 24-Jun-2005 13:28 mtl Quant Type: ISTD
Cal Date : 23-JUN-2005 09:25 Cal File: V6D6821.D
Als bottle: 6
Dil Factor: 100.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6826.D

Date : 23-JUN-2005 13:44

Client ID: MW-07DL KC 6/26/05

Instrument: V6.i

Sample Info: ,D0618-06ADL,,18686,100

Purge Volume: 5.0

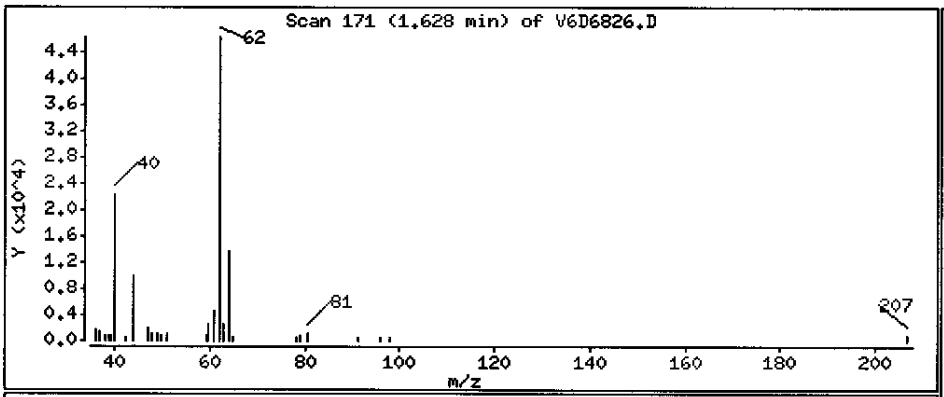
Operator: SB SRC: SB

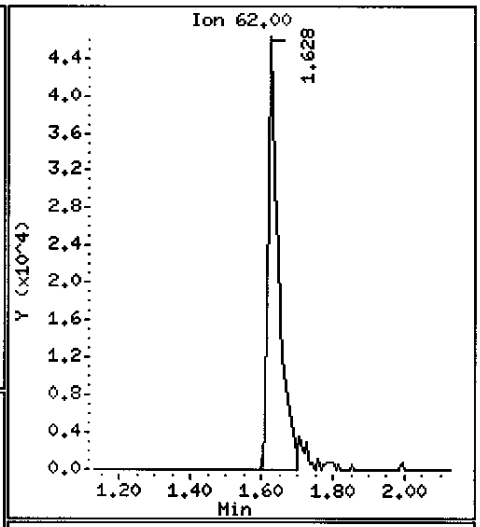
Column phase: DB-624

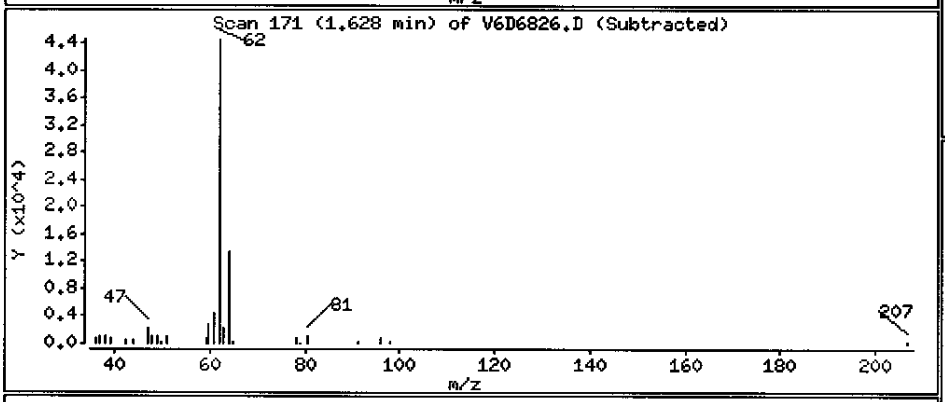
Column diameter: 0.25

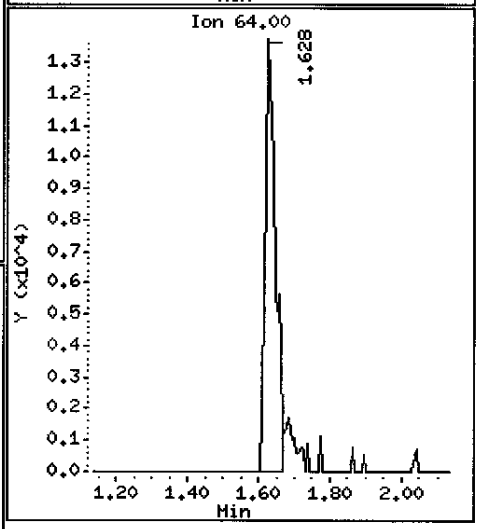
3 Vinyl Chloride

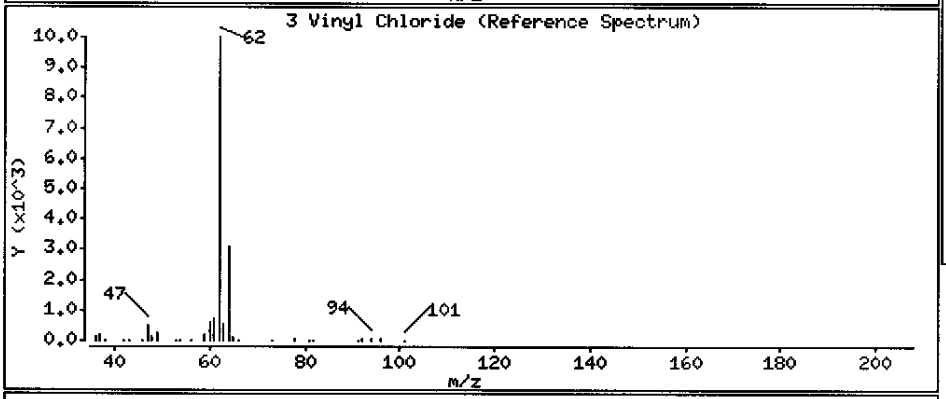
Concentration: 660 ug/L

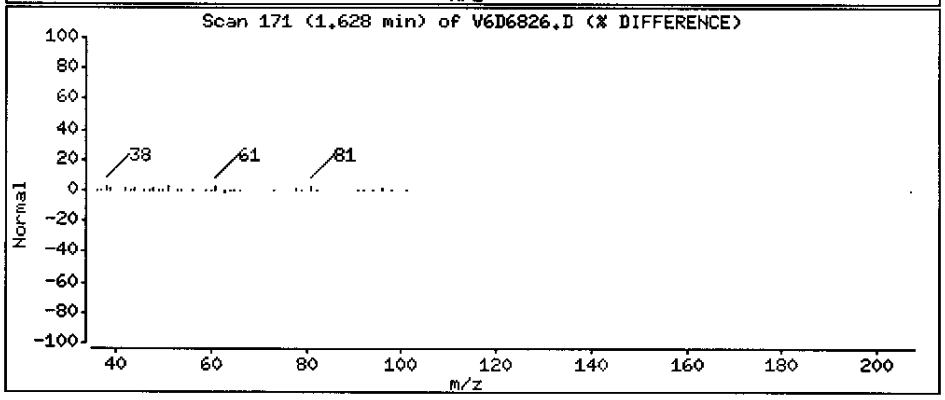












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6826.D

Date : 23-JUN-2005 13:44

Client ID: MW-07DL | KC 6/26/05

Instrument: V6.i

Sample Info: ,D0618-06ADL,,18686,100

Purge Volume: 5.0

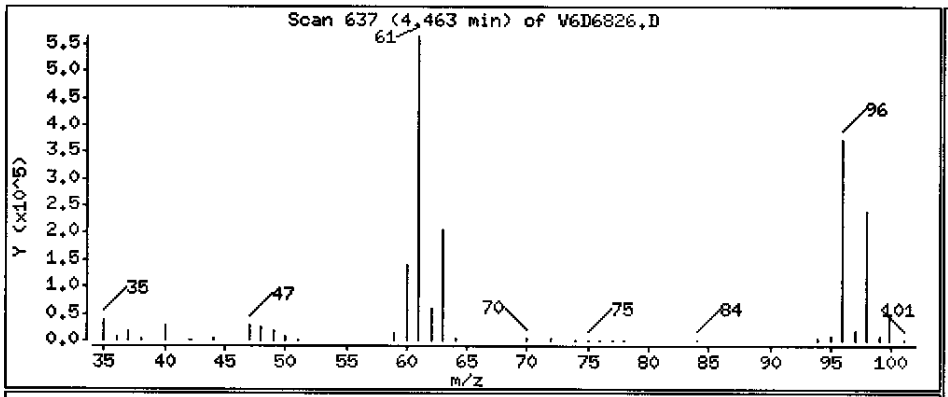
Operator: SB SRC: SB

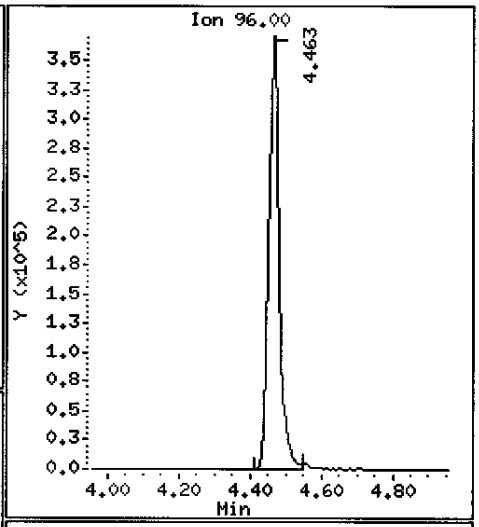
Column phase: DB-624

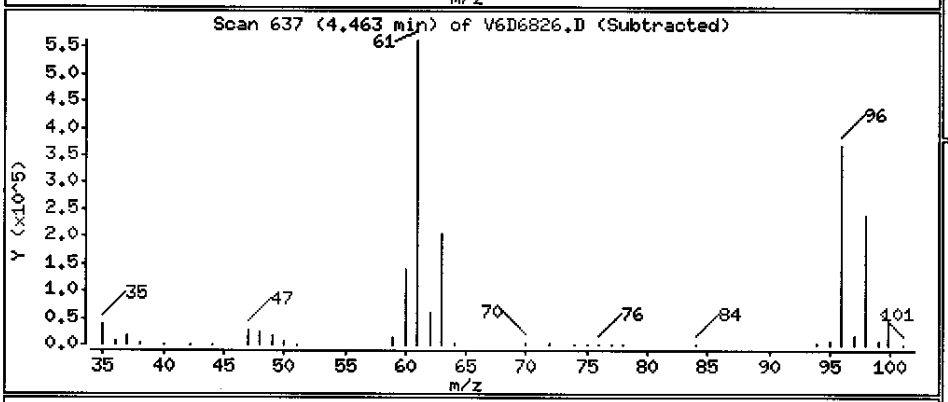
Column diameter: 0.25

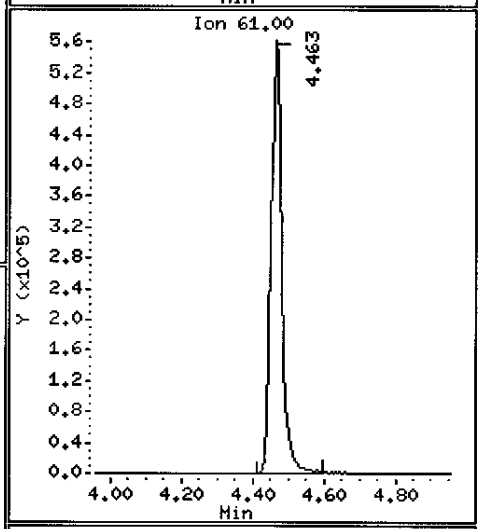
17 cis-1,2-Dichloroethene

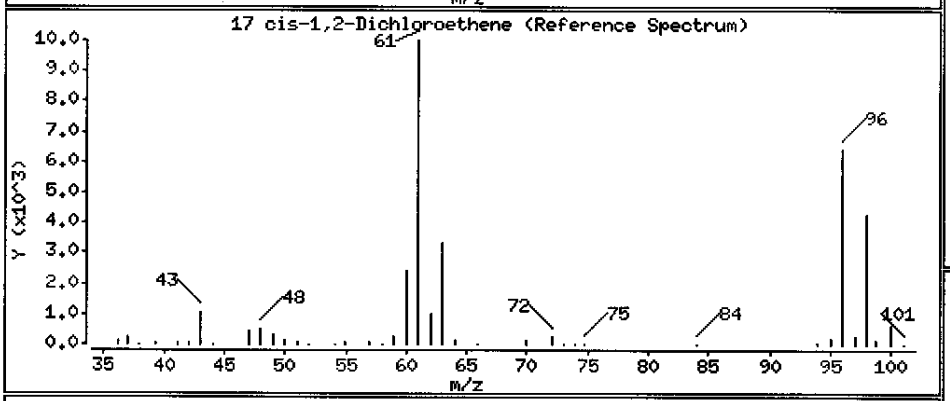
Concentration: 6200 ug/L

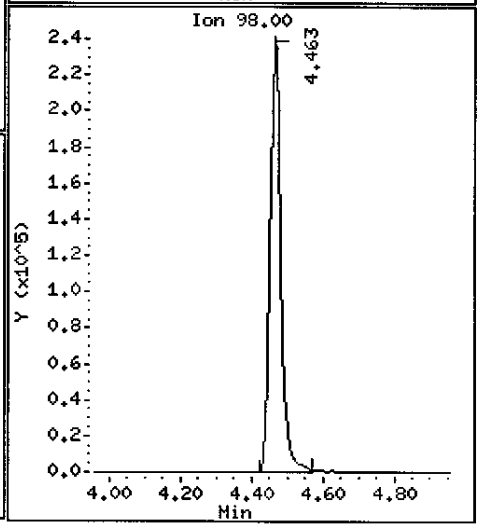


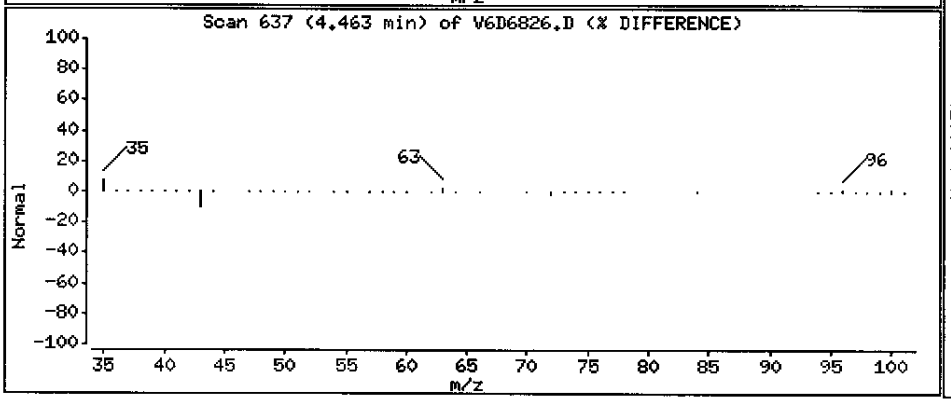












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6826.D

Date : 23-JUN-2005 13:44

Client ID: MW-07DL KC 6/26/05

Instrument: V6.i

Sample Info: ,D0618-06ADL,,18686,100

Purge Volume: 5.0

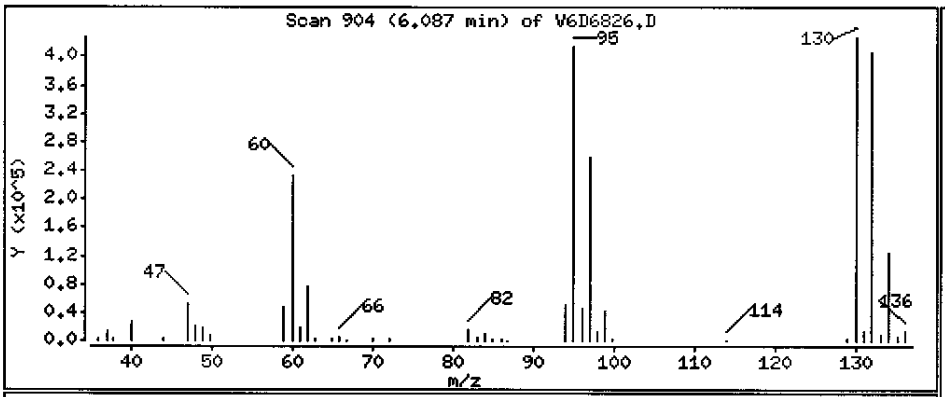
Operator: SB SRC: SB

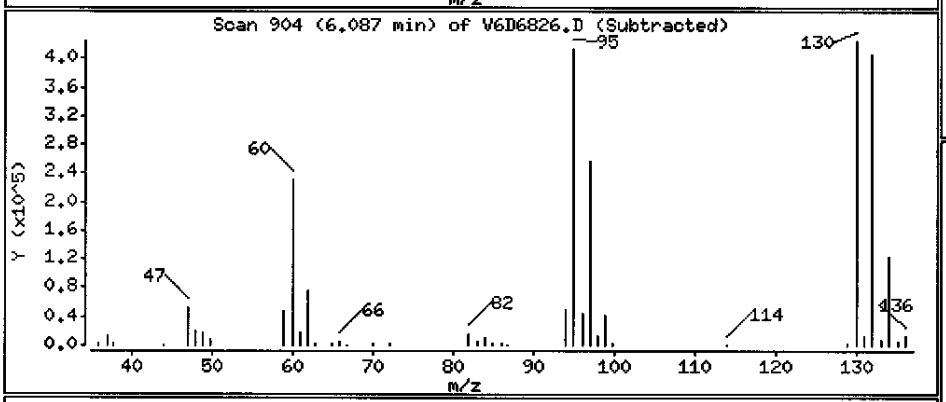
Column phase: DB-624

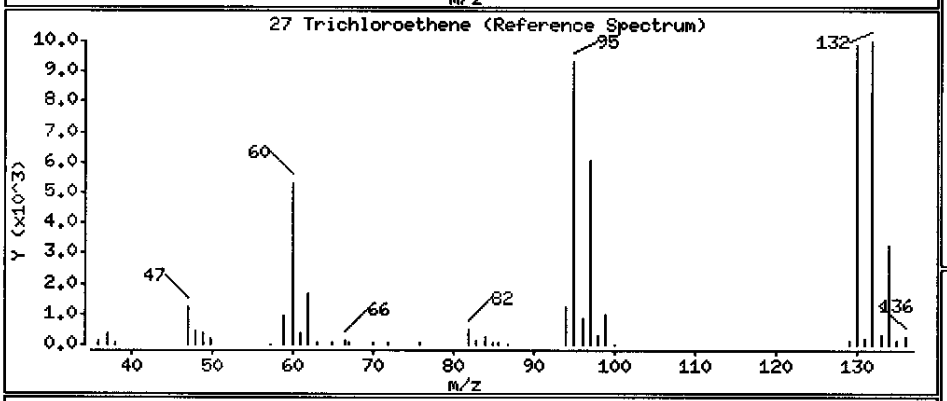
Column diameter: 0.25

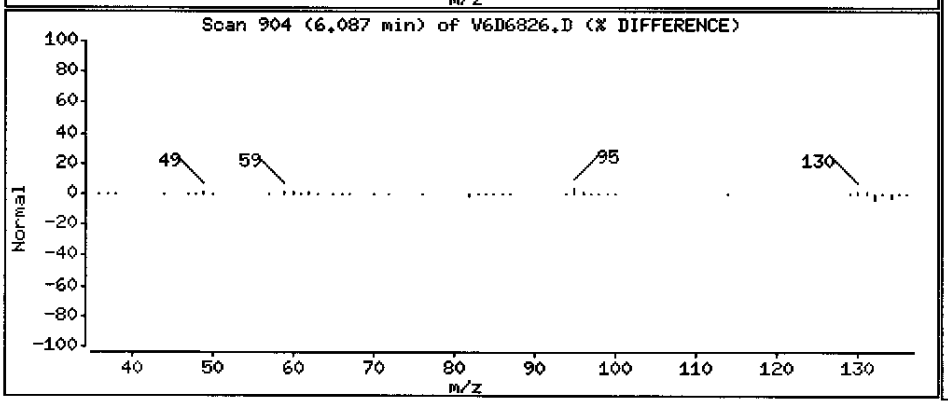
27 Trichloroethene

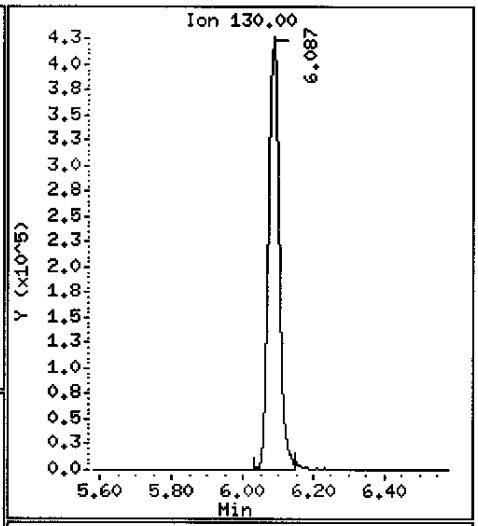
Concentration: 5900 ug/L

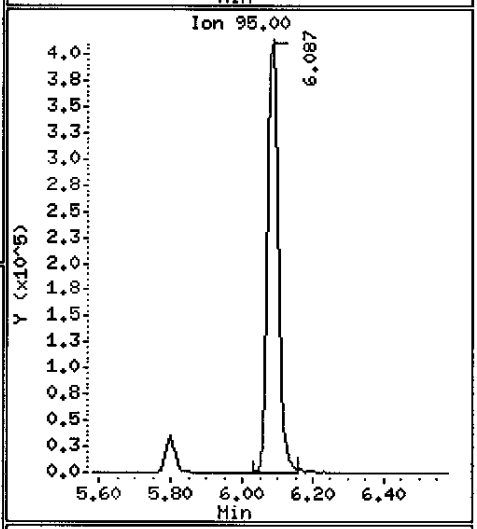


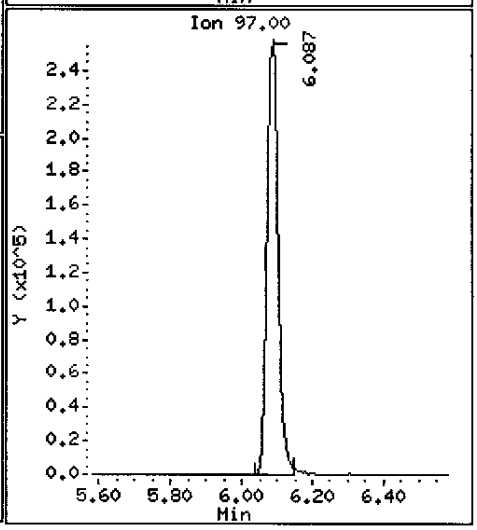












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6826.D

Date : 23-JUN-2005 13:44

Client ID: MW-07DL KC 6/24/05

Instrument: V6.i

Sample Info: ,D0618-06ADL,,18686,100

Purge Volume: 5.0

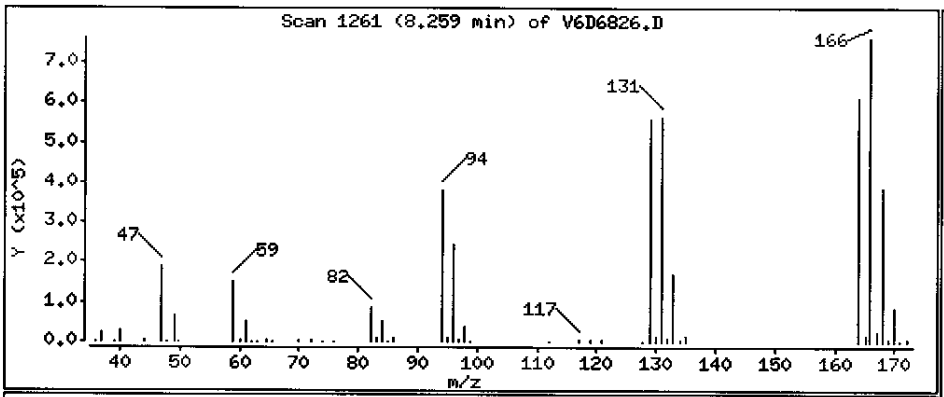
Operator: SB SRC: SB

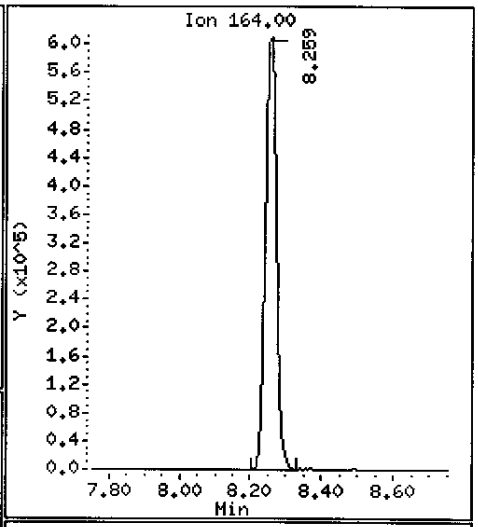
Column phase: DB-624

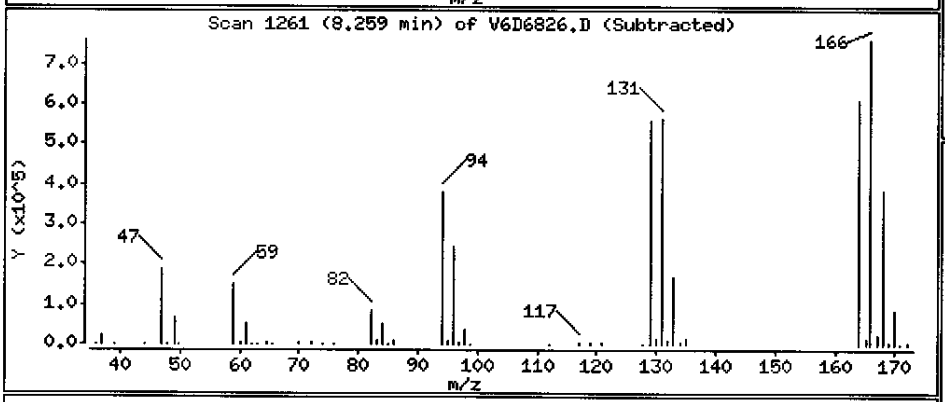
Column diameter: 0.25

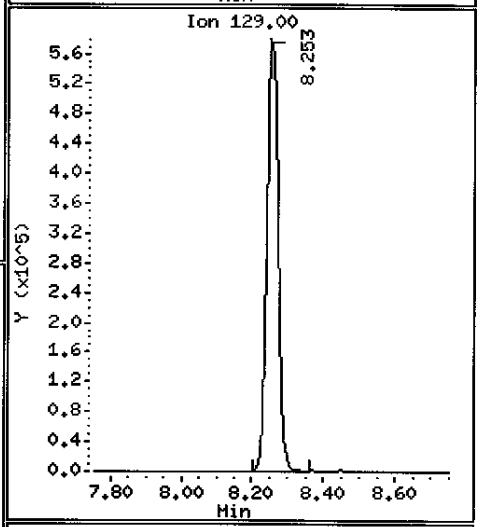
37 Tetrachloroethene

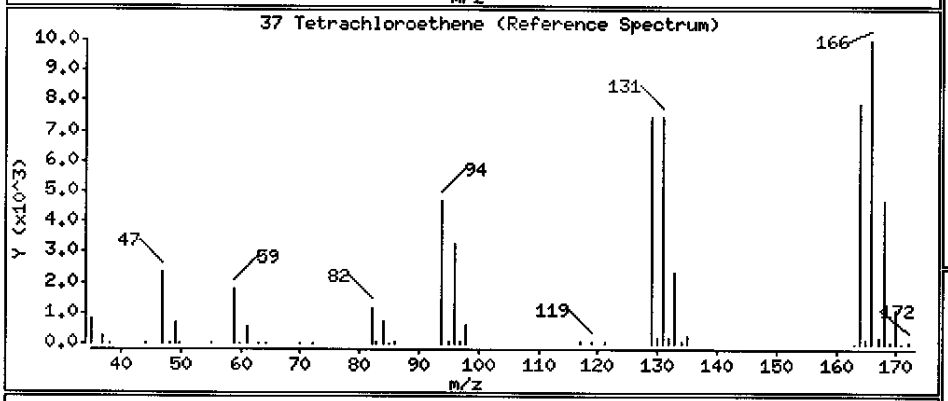
Concentration: 9600 ug/L

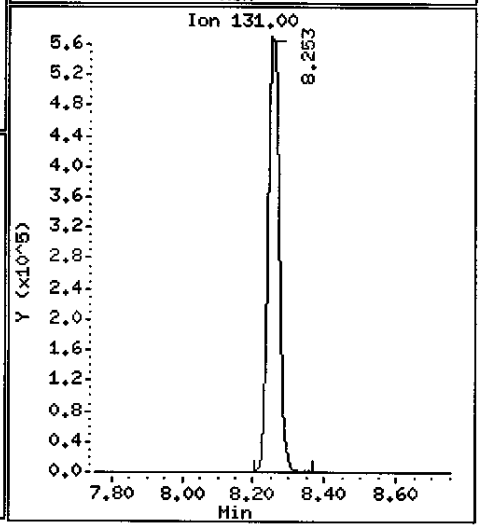


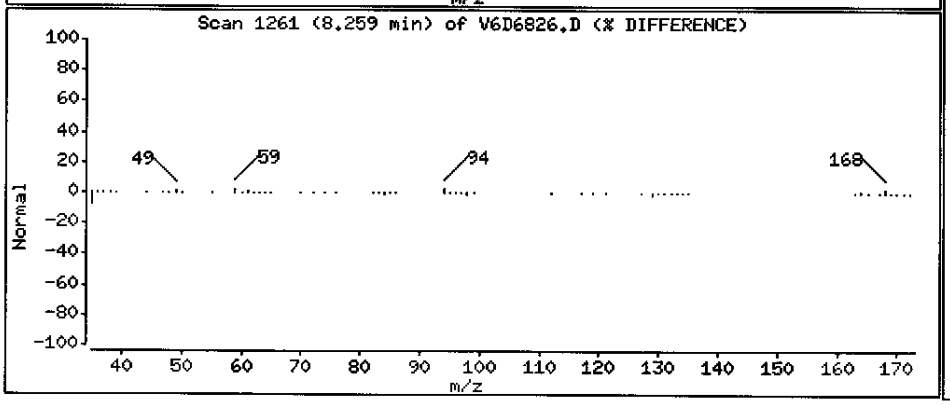












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6434

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	2	J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	8	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	95	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	51	
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6434

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	81	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	1	J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	3	J
127-18-4	Tetrachloroethene	5600	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	2	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

MW-7

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6434

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

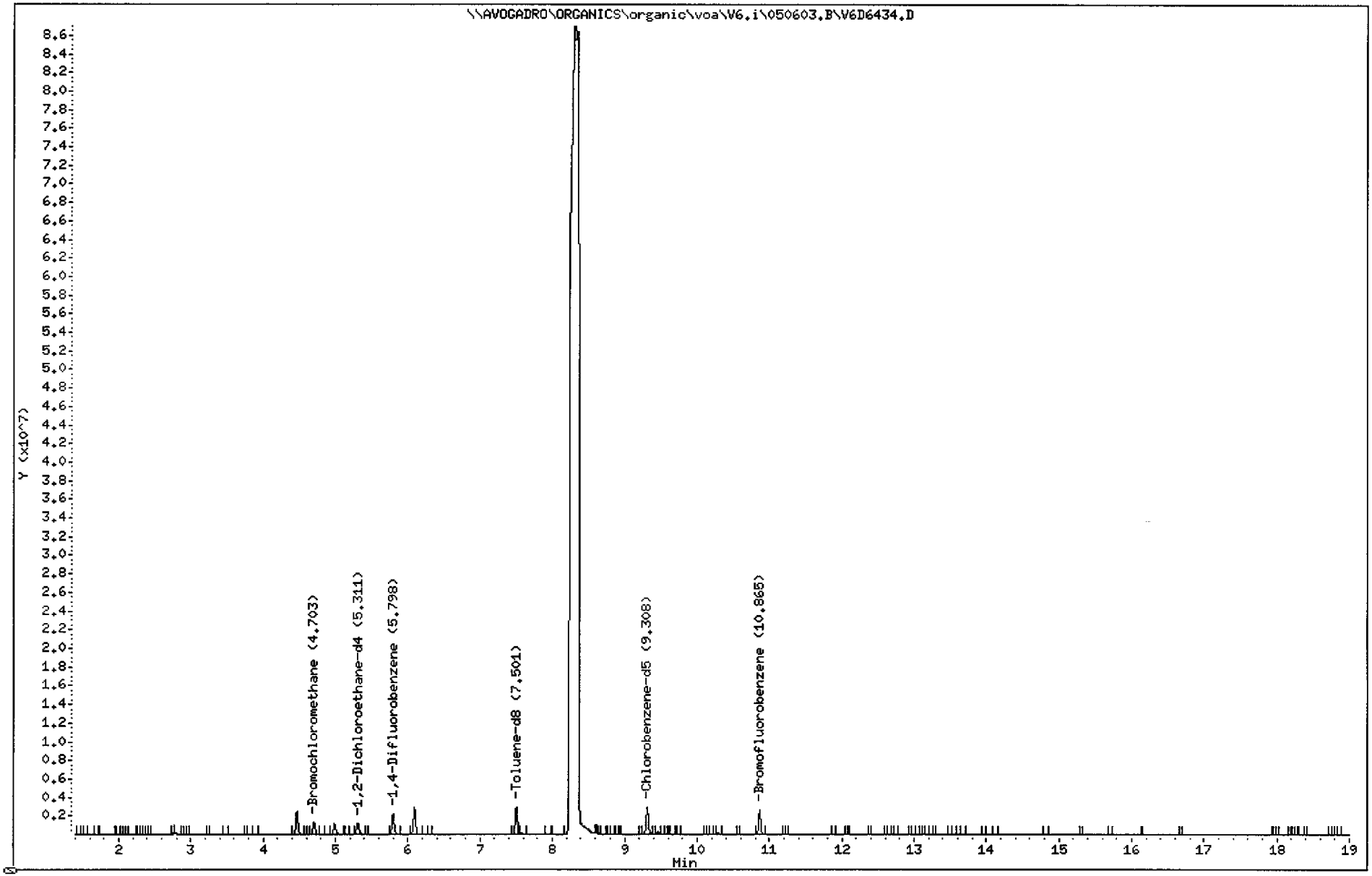
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6434.D
Date : 03-JUN-2005 19:36
Client ID: MW-7 Instrument: V6.i
Sample Info: ,D0618-08A,18379
Purge Volume: 5.0 Operator: SB SRC: SB
Column phase: DB-624 Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6434.D
Report Date: 22-Jun-2005 17:02

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6434.D
Lab Smp Id: D0618-08A Client Smp ID: MW-7
Inj Date : 03-JUN-2005 19:36
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-08A,18379
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\v6clp4s.m
Meth Date : 06-Jun-2005 09:32 mtl Quant Type: ISTD
Cal Date : 03-JUN-2005 11:51 Cal File: V6D6421.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	3 Vinyl Chloride	62	1.631	1.627	(0.347)	18135	1.74782	2(a)
	7 1,1-Dichloroethene	96	2.774	2.752	(0.590)	84248	8.28460	8(a)
	17 cis-1,2-Dichloroethene	96	4.465	4.462	(0.950)	1084551	95.0102	95
*	18 Bromochloromethane	128	4.703	4.699	(1.000)	396809	50.0000	
	20 1,1,1-Trichloroethane	97	4.989	4.979	(0.860)	957666	50.7756	51
$	23 1,2-Dichloroethane-d4	65	5.311	5.301	(1.129)	1050233	46.4341	46
*	26 1,4-Difluorobenzene	114	5.798	5.794	(1.000)	1856694	50.0000	
	27 Trichloroethene	130	6.090	6.086	(1.050)	1106631	80.6970	81
$	33 Toluene-d8	98	7.501	7.492	(0.806)	2231962	43.6713	44(R)
	34 Toluene	91	7.580	7.571	(0.814)	63039	1.25213	1(a)
	36 1,1,2-Trichloroethane	97	8.079	8.063	(1.393)	27828	2.62149	3(aQ)
	37 Tetrachloroethene	164	8.316	8.252	(0.893)	65353455	5581.35	5600(A)
*	42 Chlorobenzene-d5	117	9.308	9.304	(1.000)	1881669	50.0000	
	43 Chlorobenzene	112	9.344	9.341	(1.004)	56194	1.57059	2(a)
$	50 Bromofluorobenzene	95	10.859	10.862	(1.167)	963355	45.2843	45

KL 6/22/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6434.D
Report Date: 22-Jun-2005 17:02

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6434.D
Report Date: 22-Jun-2005 17:02

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6434.D
Lab Smp Id: D0618-08A Client Smp ID: MW-7
Inj Date : 03-JUN-2005 19:36
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-08A,18379
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\v6clp4s.m
Meth Date : 06-Jun-2005 09:32 mtl Quant Type: ISTD
Cal Date : 03-JUN-2005 11:51 Cal File: V6D6421.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6434.D

Date : 03-JUN-2005 19:36

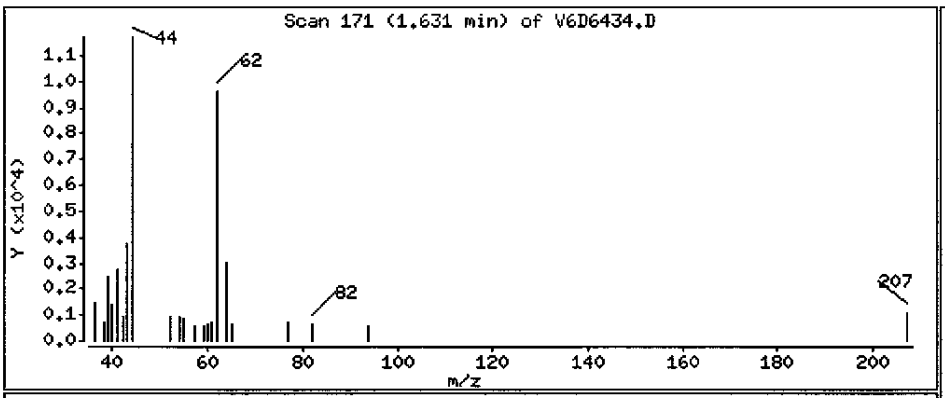
Client ID: MW-7 Instrument: V6.i

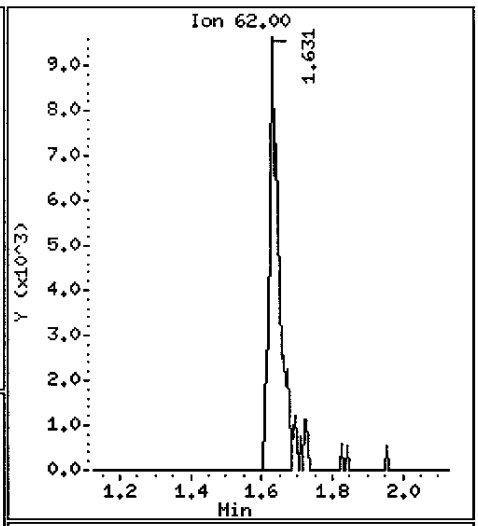
Sample Info: ,D0618-08A,18379

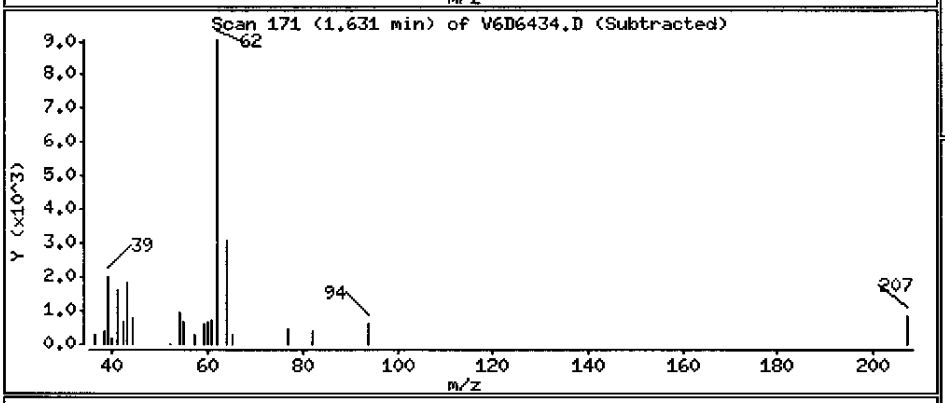
Purge Volume: 5.0 Operator: SB SRC: SB

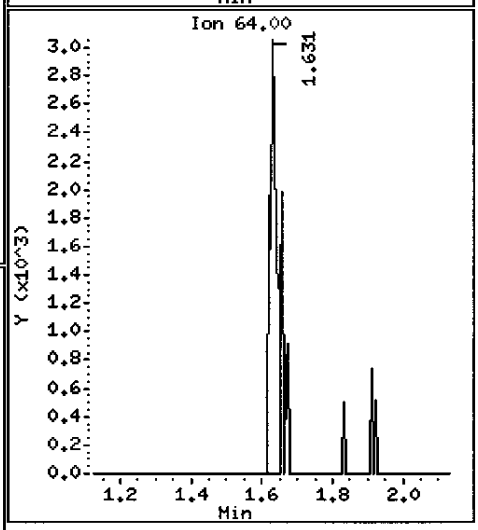
Column phase: DB-624 Column diameter: 0.25

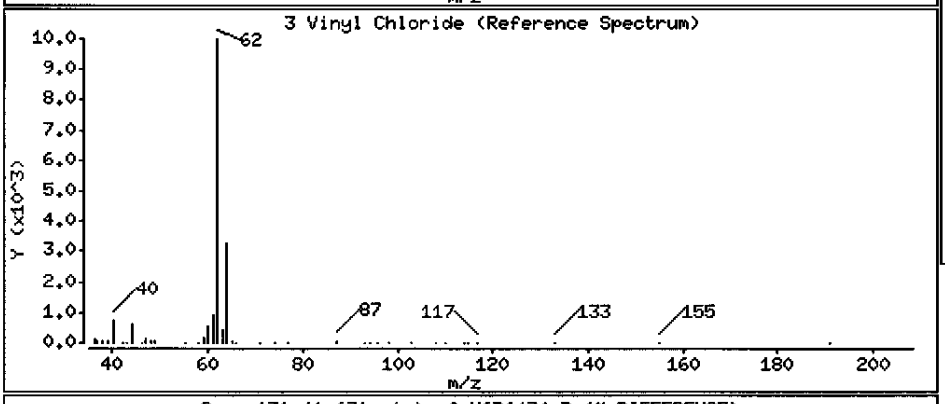
3 Vinyl Chloride Concentration: 2 ug/L

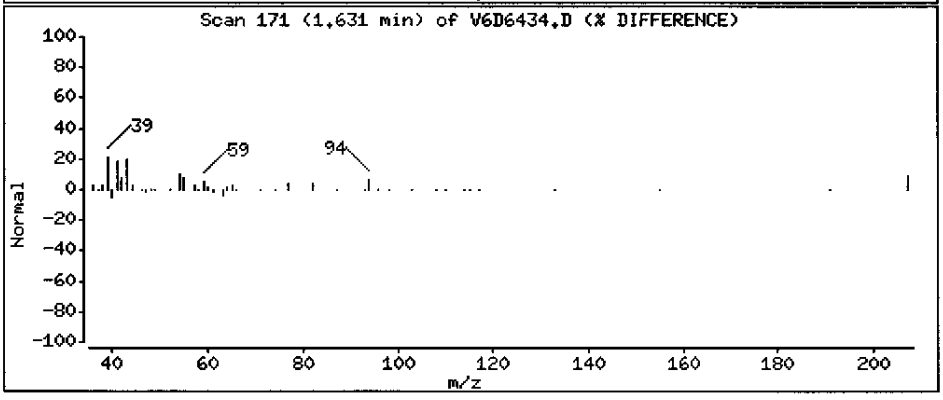












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6434.D

Date : 03-JUN-2005 19:36

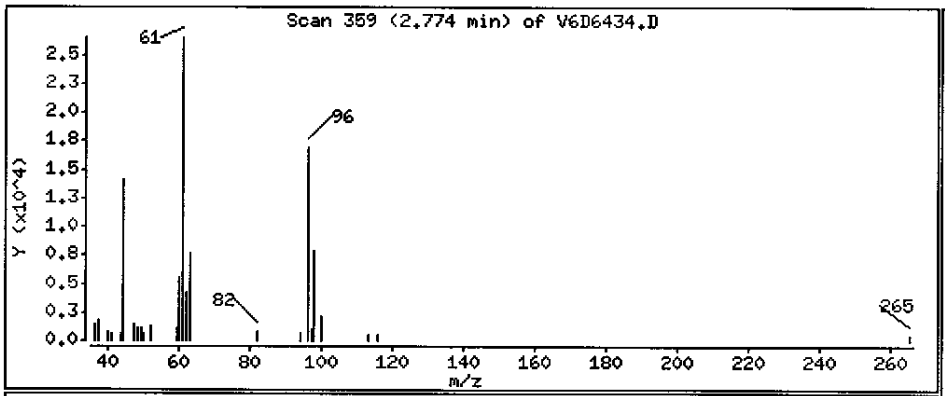
Client ID: MW-7 Instrument: V6.i

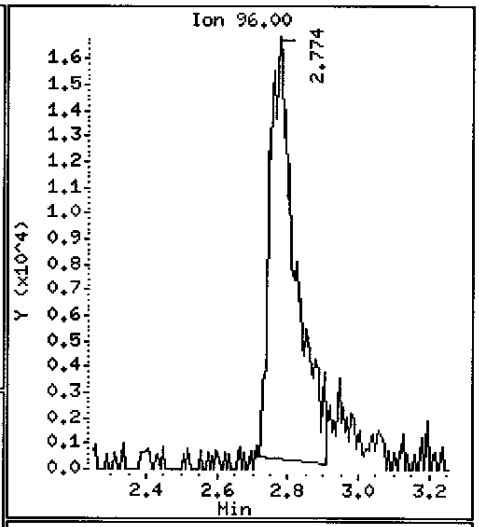
Sample Info: ,D0618-08A,18379

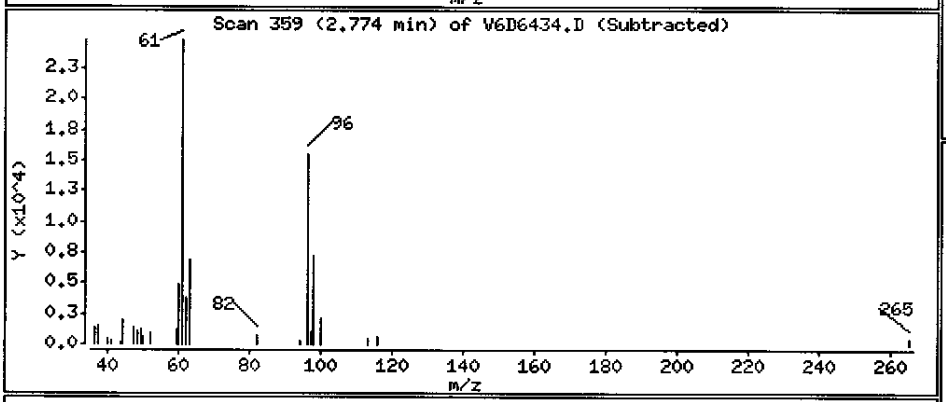
Purge Volume: 5.0 Operator: SB SRC: SB

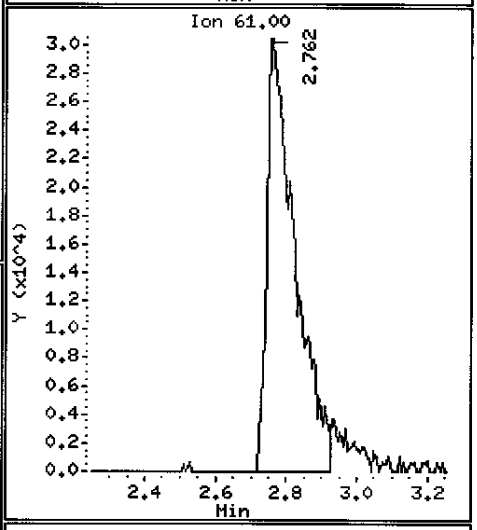
Column phase: DB-624 Column diameter: 0.25

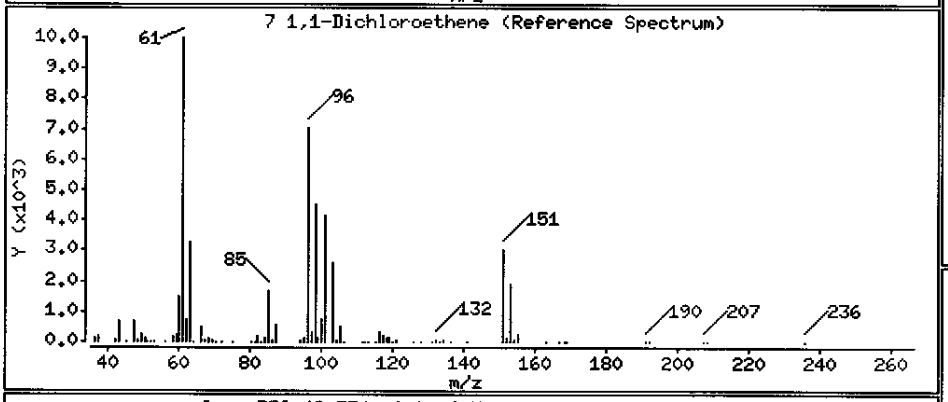
7 1,1-Dichloroethene Concentration: 8 ug/L

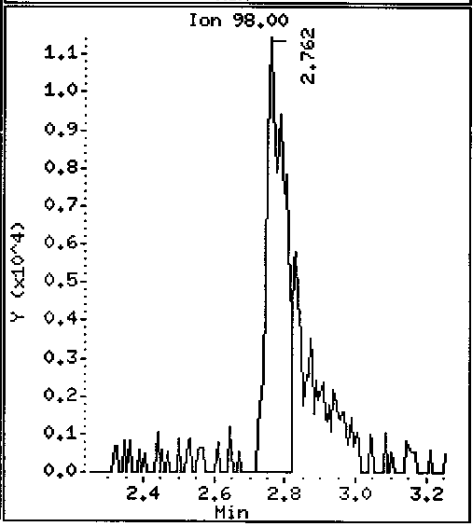


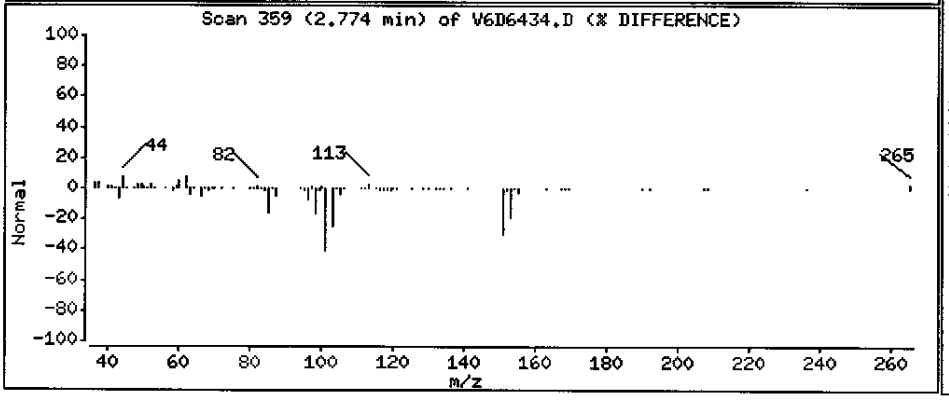












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6434.D

Date : 03-JUN-2005 19:36

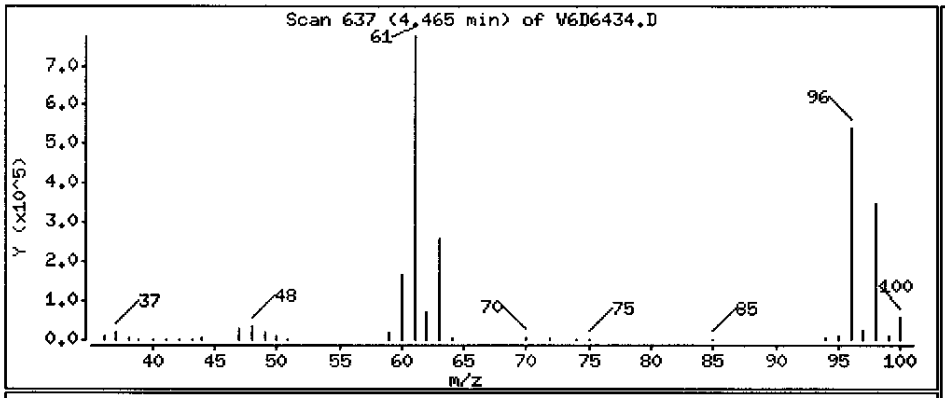
Client ID: MW-7 Instrument: V6.i

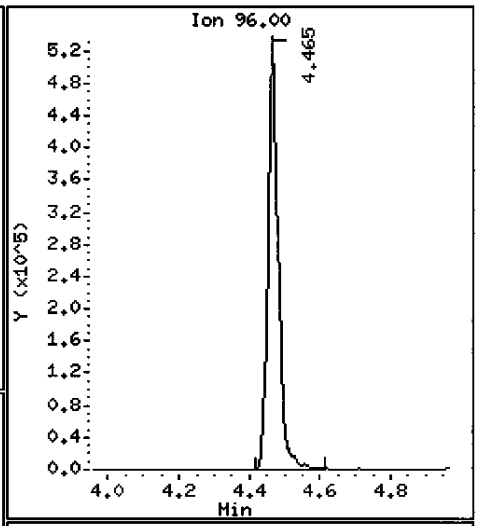
Sample Info: ,D0618-08A,18379

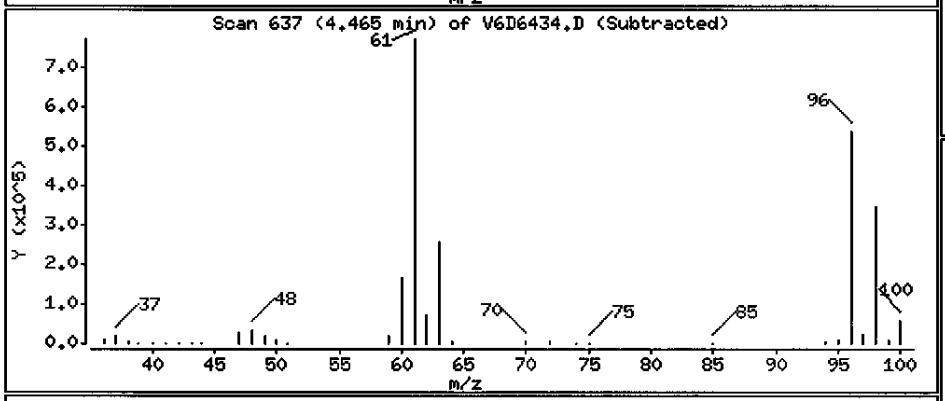
Purge Volume: 5.0 Operator: SB SRC: SB

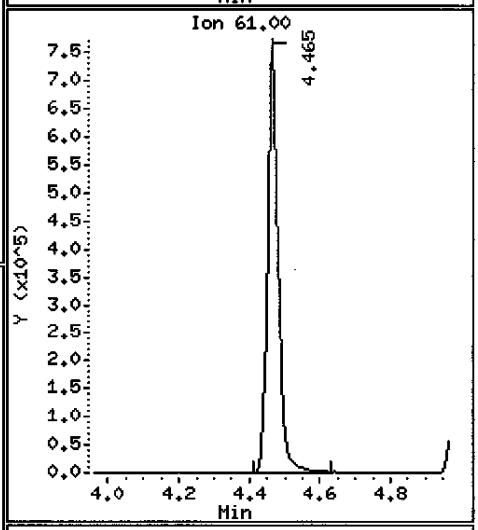
Column phase: DB-624 Column diameter: 0.25

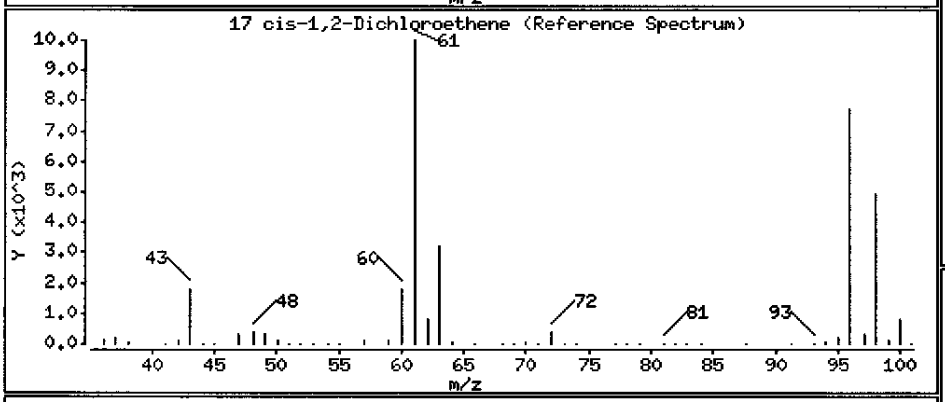
17 cis-1,2-Dichloroethene Concentration: 95 ug/L

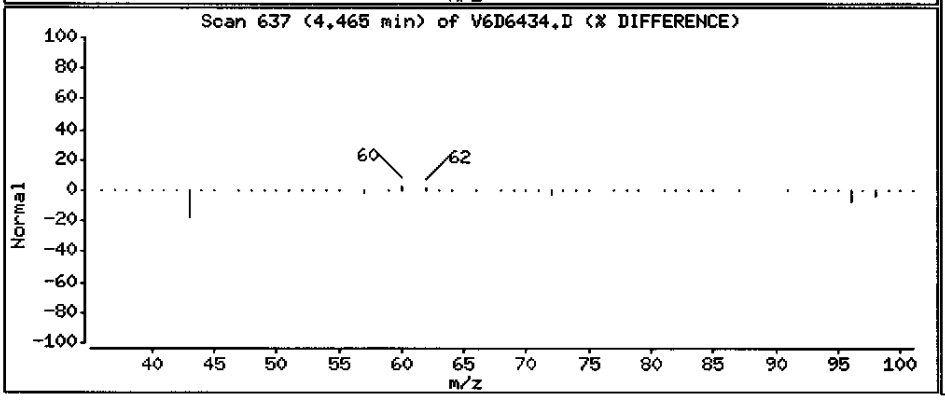


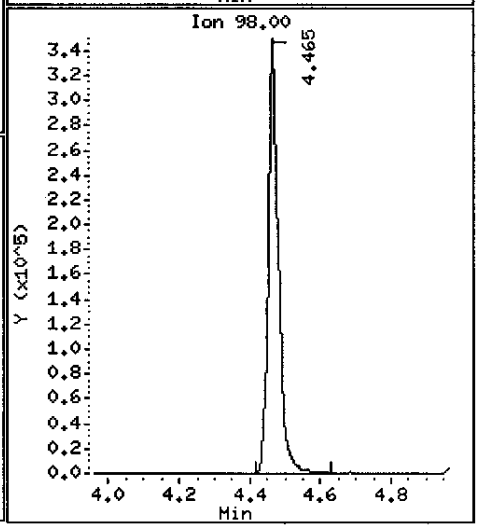












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6434.D

Date : 03-JUN-2005 19:36

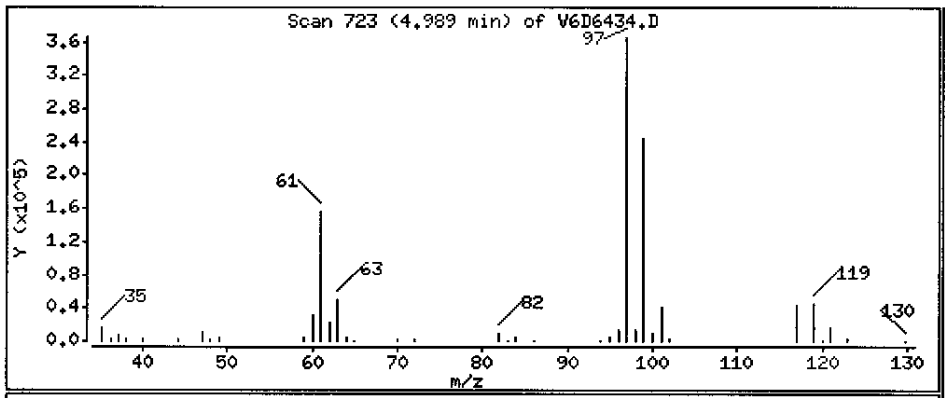
Client ID: MW-7 Instrument: V6.i

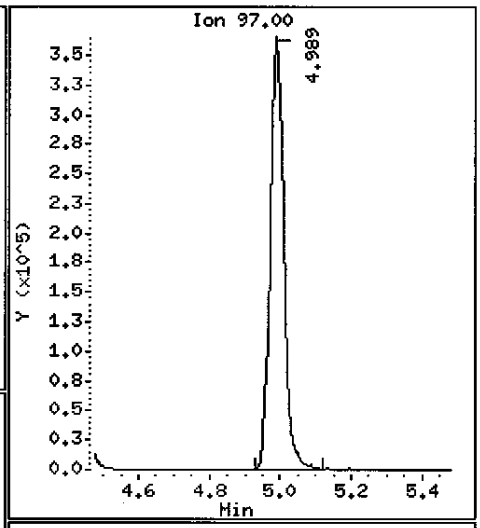
Sample Info: ,D0618-08A,18379

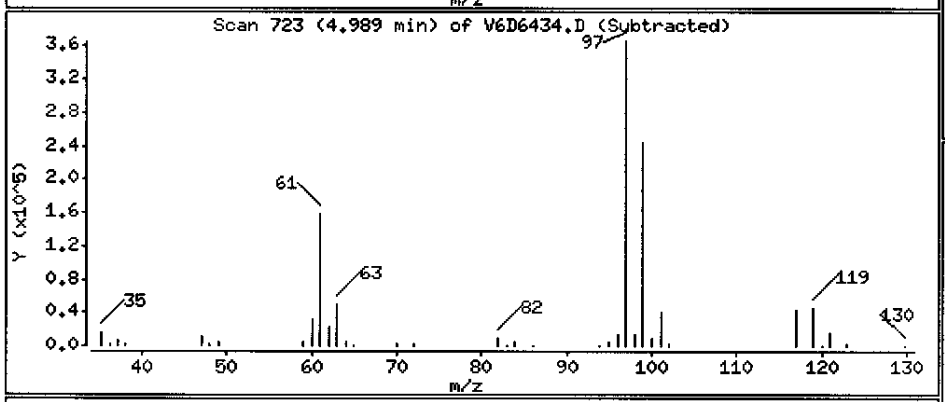
Purge Volume: 5.0 Operator: SB SRC: SB

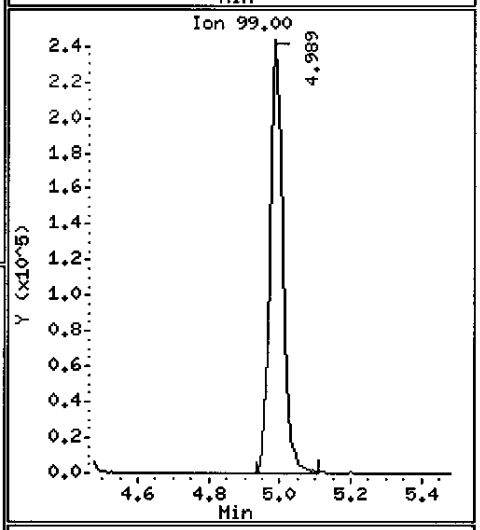
Column phase: DB-624 Column diameter: 0.25

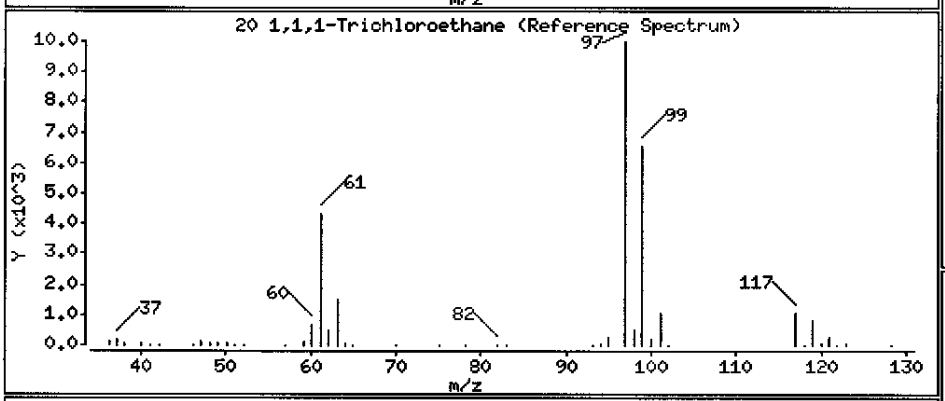
20 1,1,1-Trichloroethane Concentration: 51 ug/L

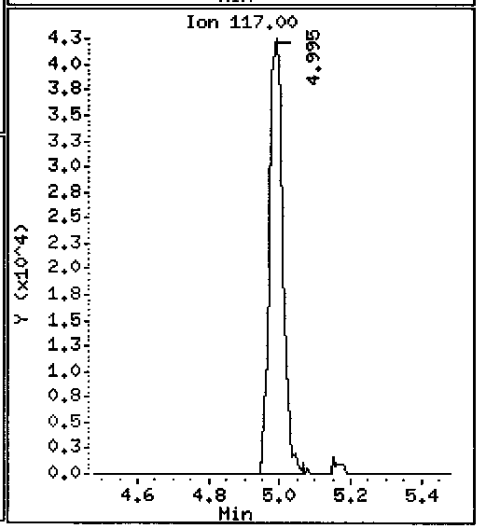


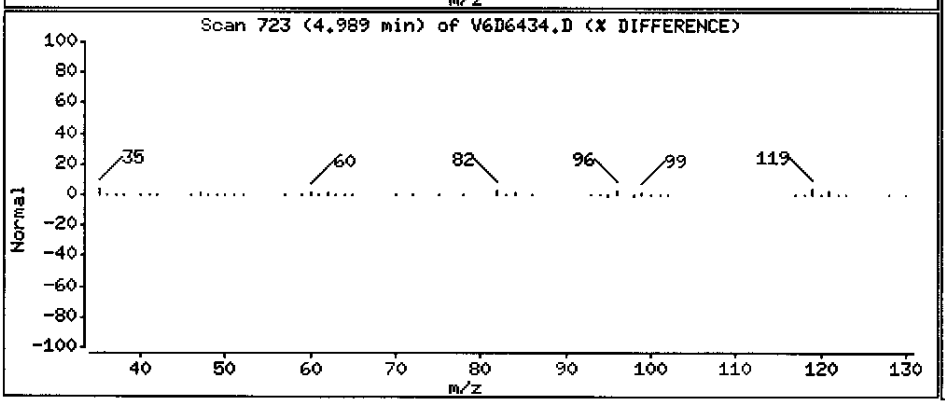












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6434.D

Date : 03-JUN-2005 19:36

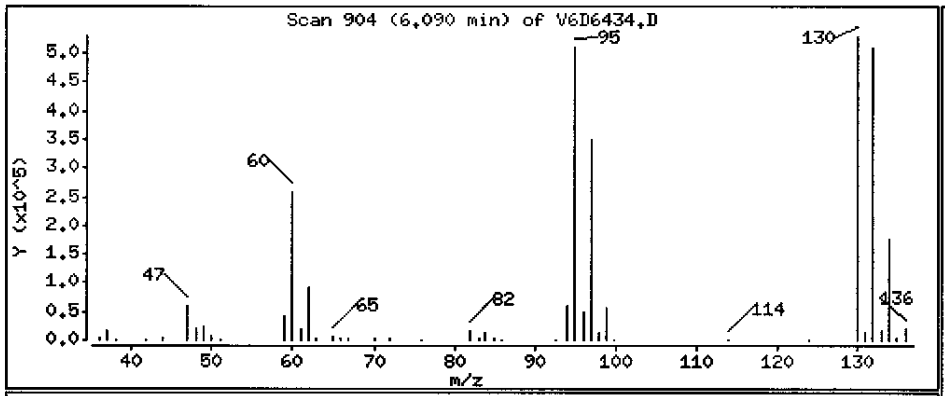
Client ID: MW-7 Instrument: V6.i

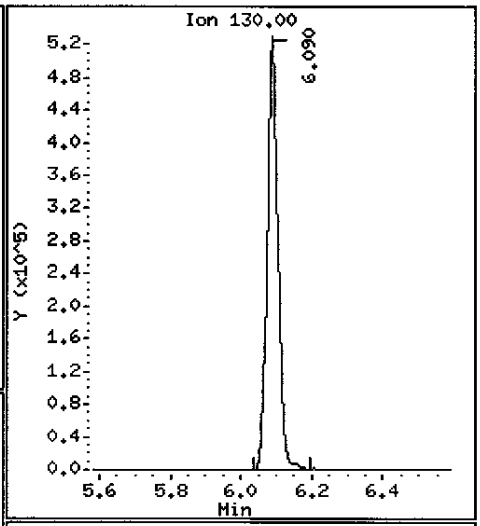
Sample Info: ,D0618-08A,18379

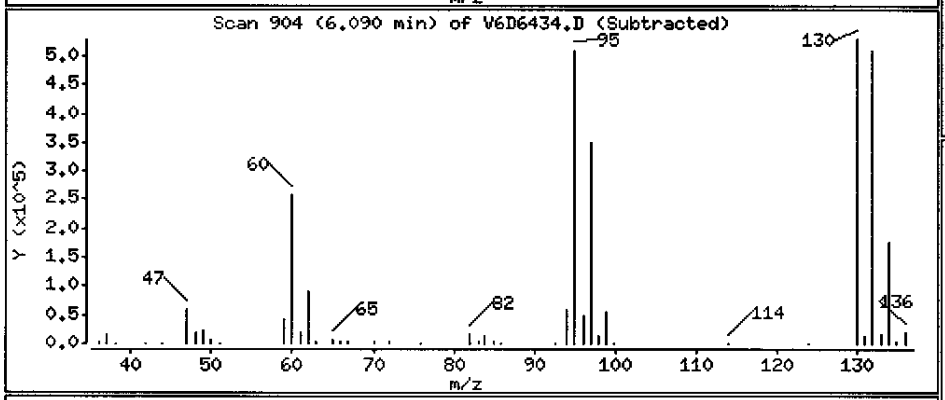
Purge Volume: 5.0 Operator: SB SRC: SB

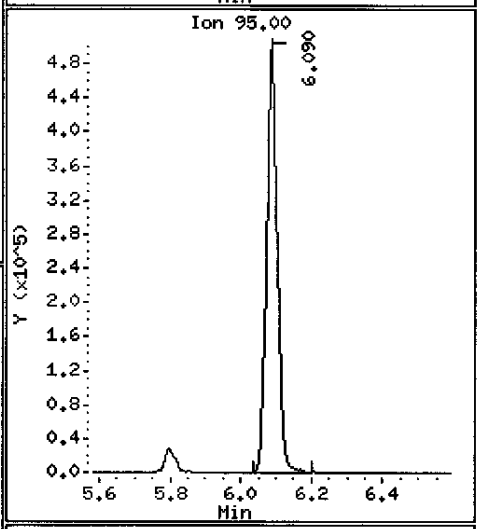
Column phase: DB-624 Column diameter: 0.25

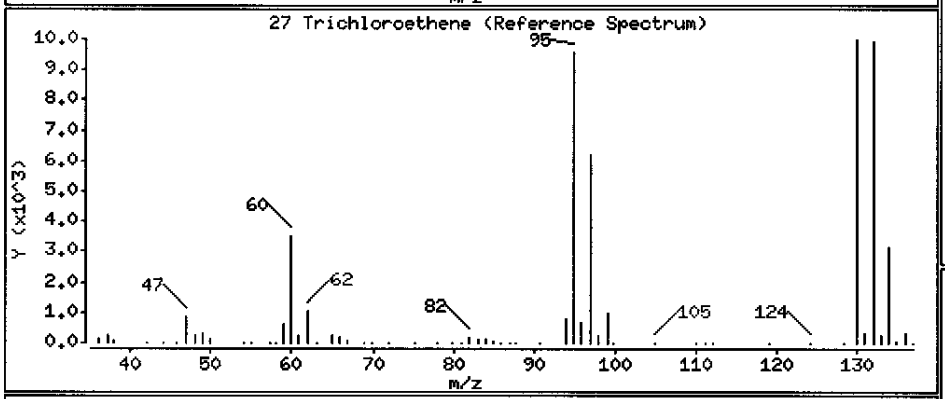
27 Trichloroethene Concentration: 81 ug/L

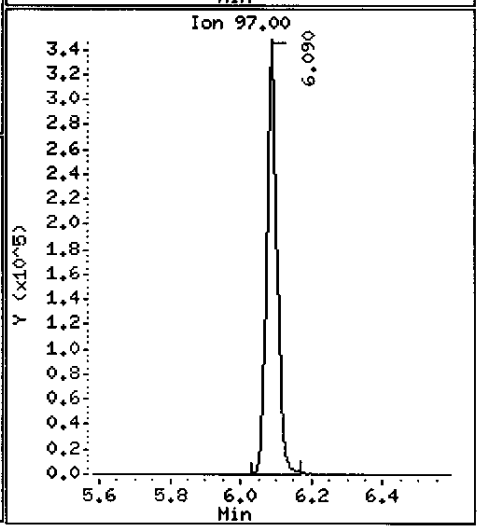


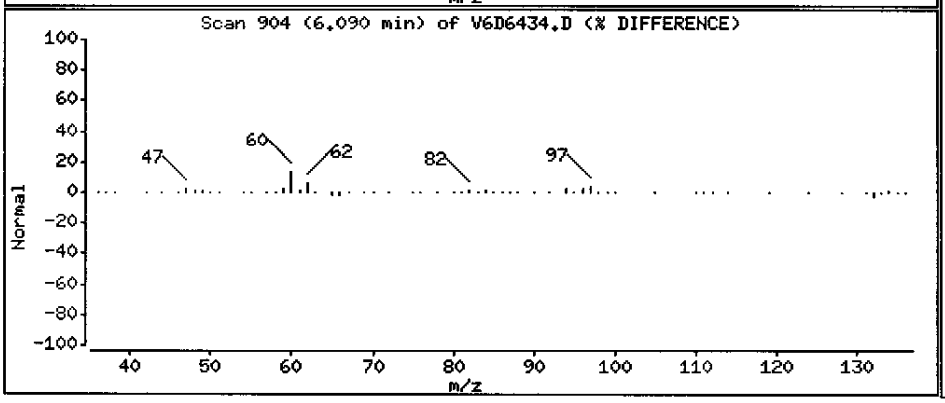












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6434.D

Date : 03-JUN-2005 19:36

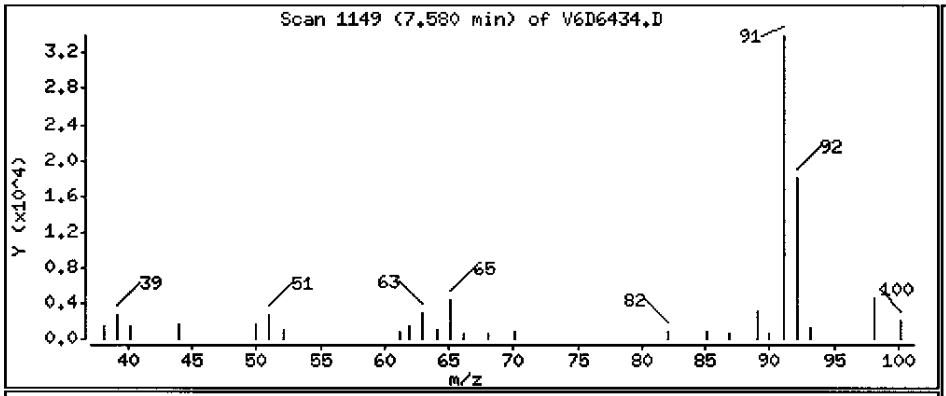
Client ID: MW-7 Instrument: V6.i

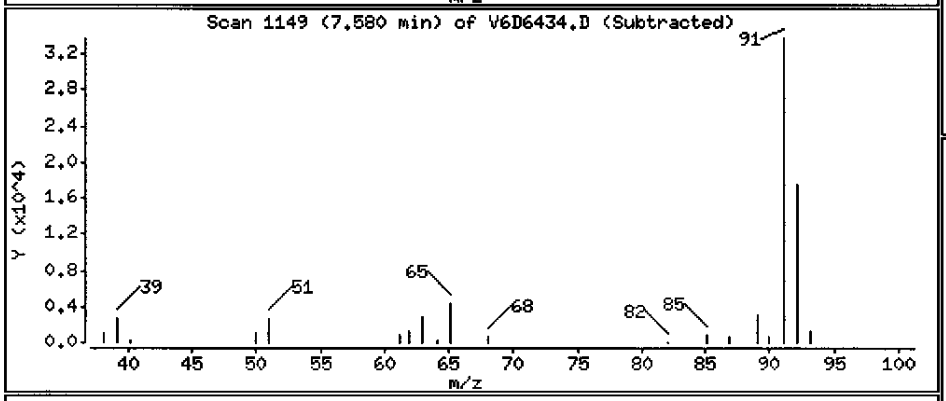
Sample Info: ,D0618-08A,18379

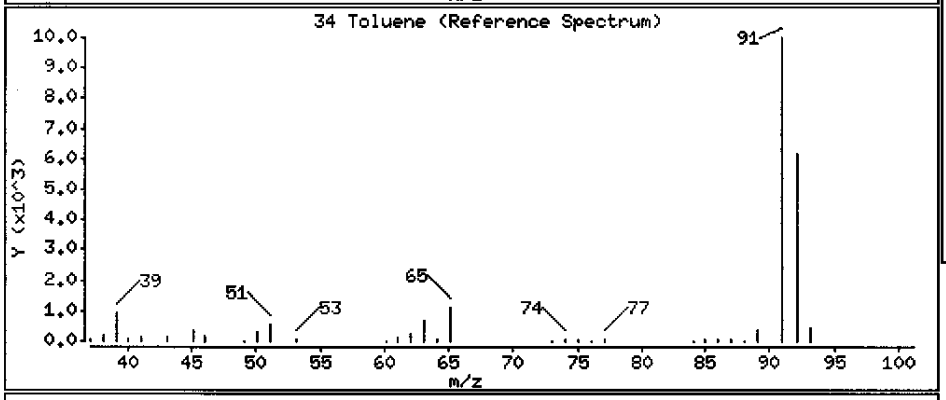
Purge Volume: 5.0 Operator: SB SRC: SB

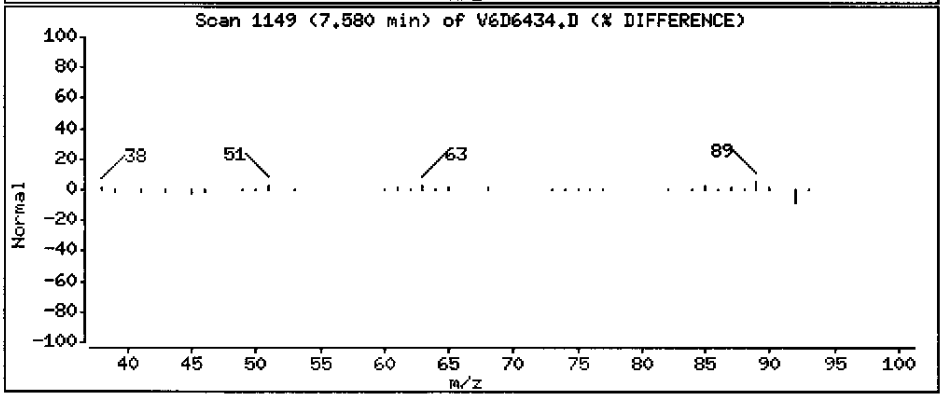
Column phase: DB-624 Column diameter: 0.25

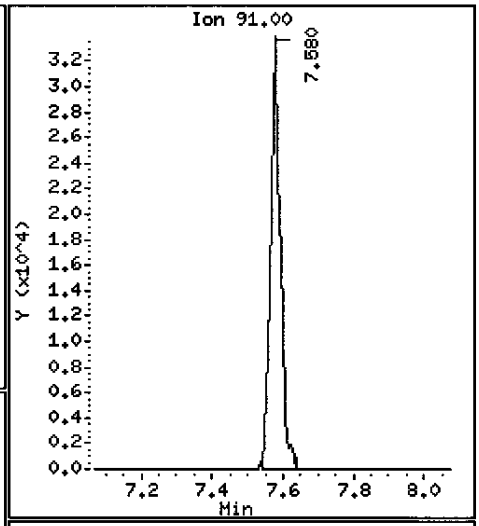
34 Toluene Concentration: 1 ug/L

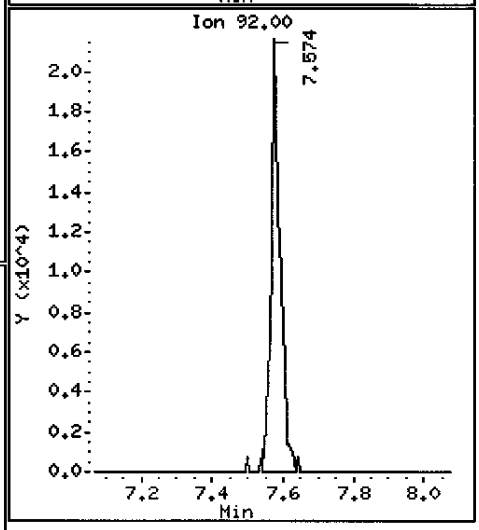












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6434.D

Date : 03-JUN-2005 19:36

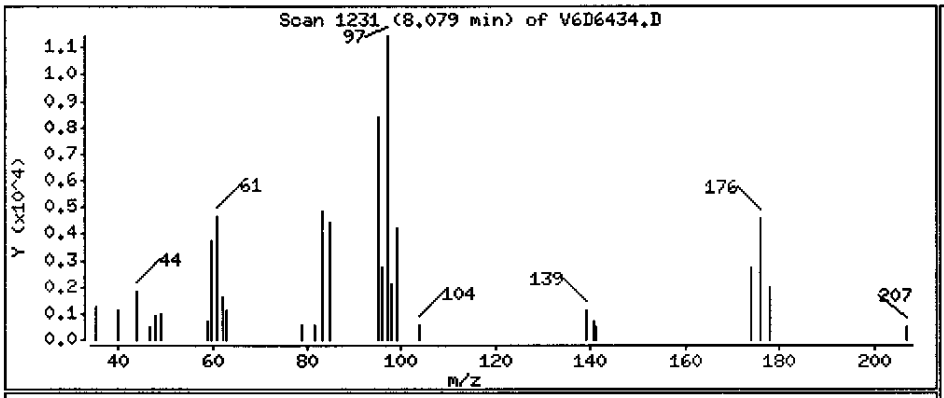
Client ID: MW-7 Instrument: V6.i

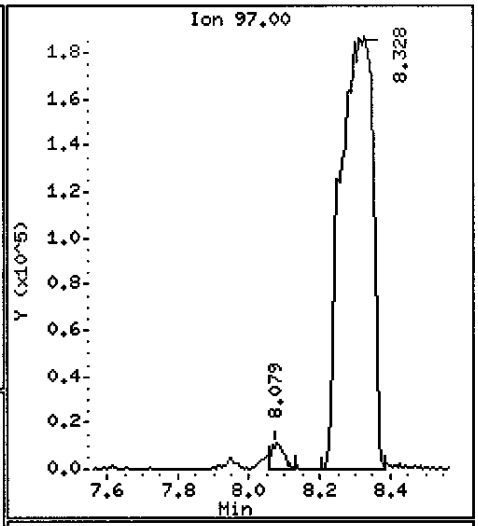
Sample Info: ,D0618-08A,18379

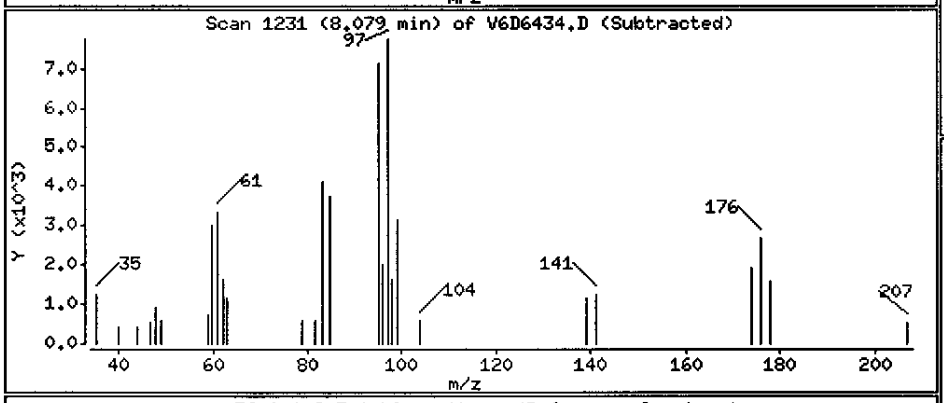
Purge Volume: 5.0 Operator: SB SRC: SB

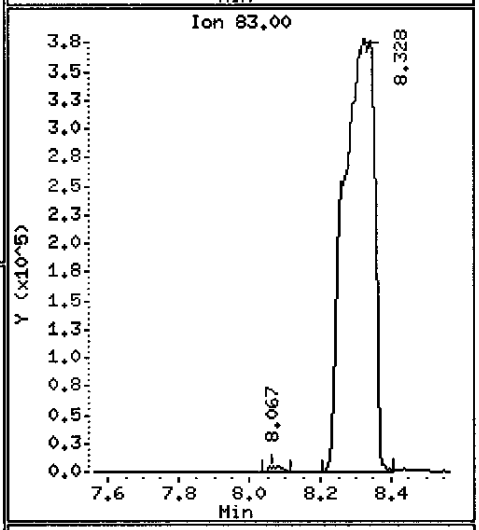
Column phase: DB-624 Column diameter: 0.25

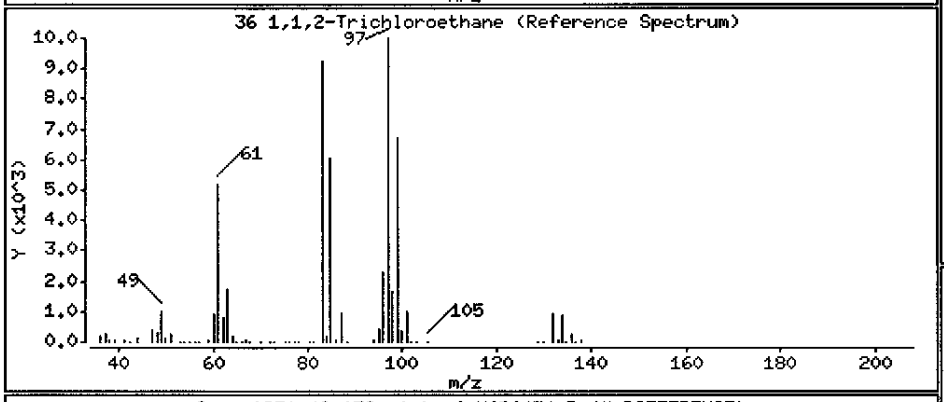
36 1,1,2-Trichloroethane Concentration: 3 ug/L

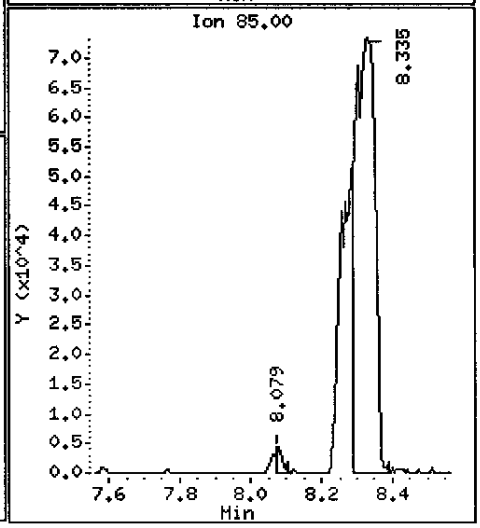


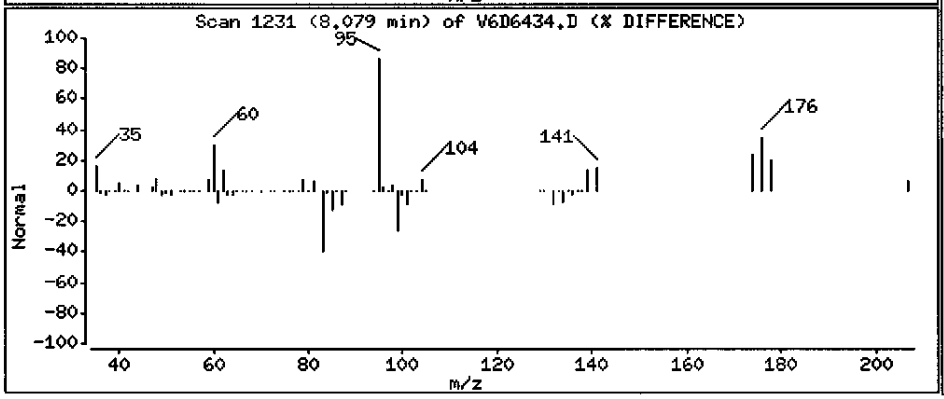












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6434.D

Date : 03-JUN-2005 19:36

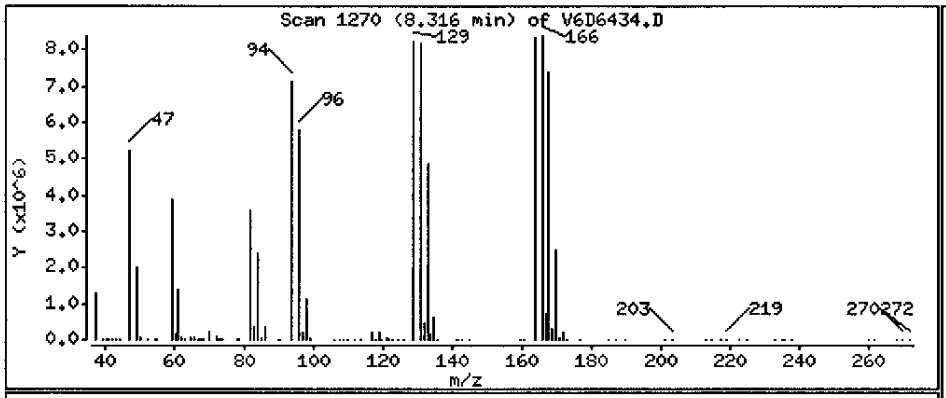
Client ID: MW-7 Instrument: V6.i

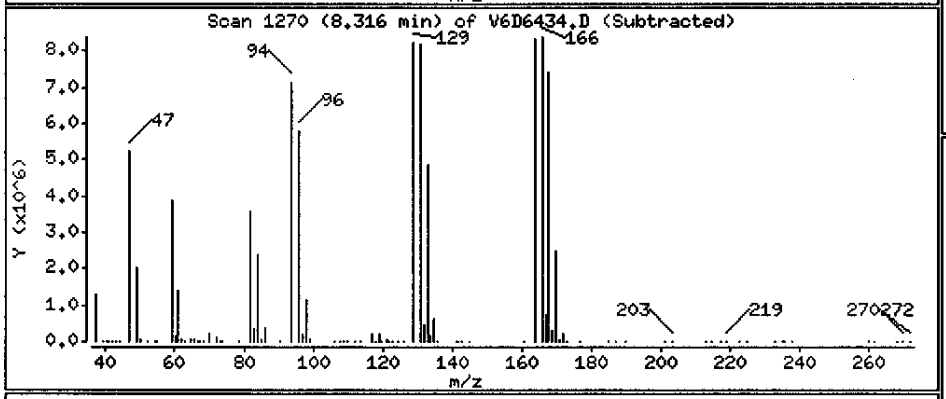
Sample Info: ,D0618-08A,18379

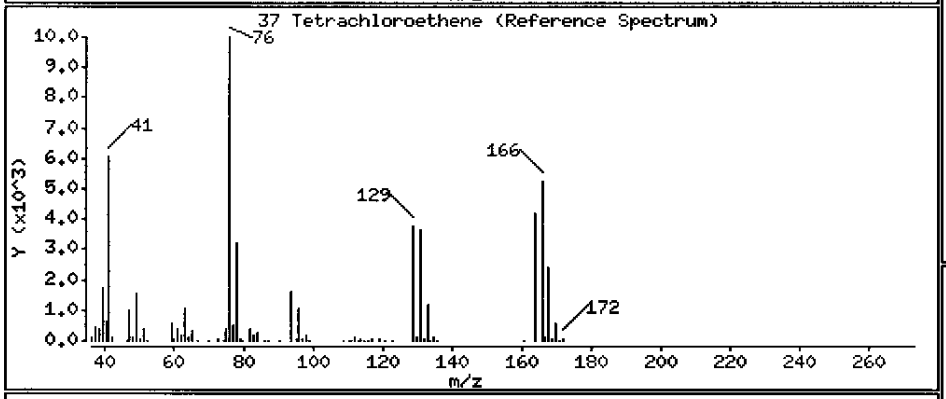
Purge Volume: 5.0 Operator: SB SRC: SB

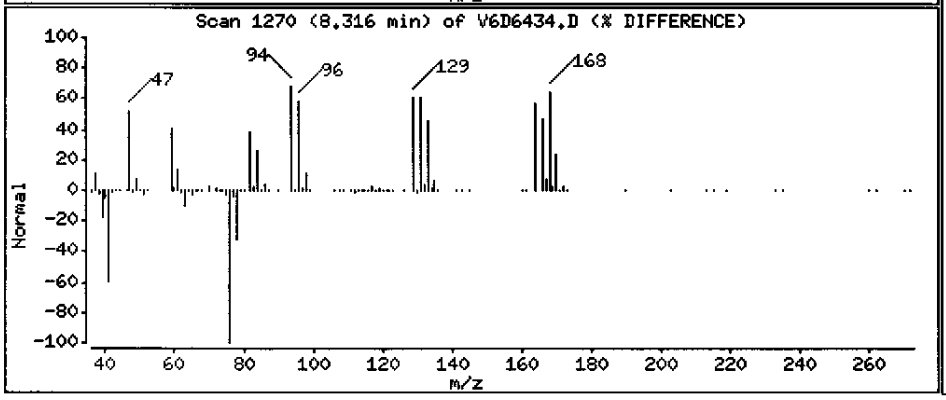
Column phase: DB-624 Column diameter: 0.25

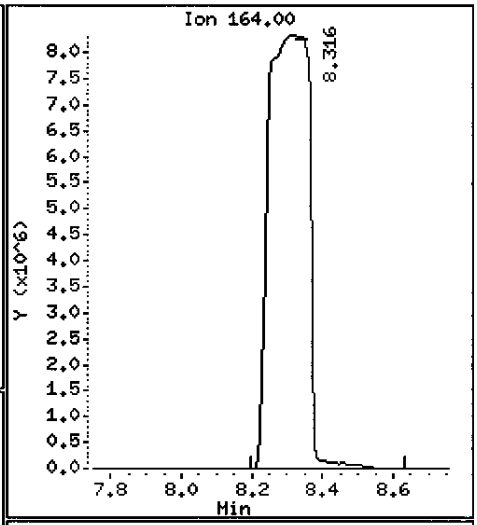
37 Tetrachloroethene Concentration: 5600 ug/L

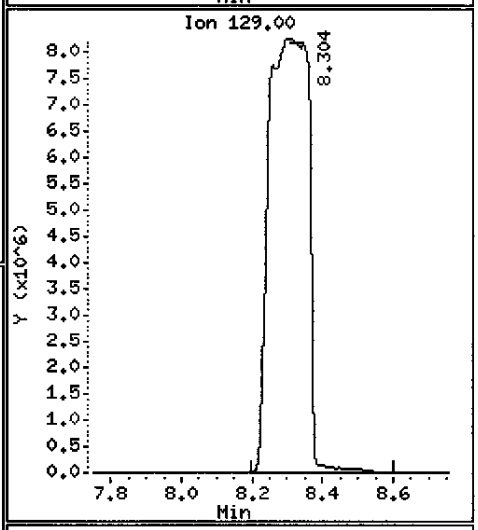


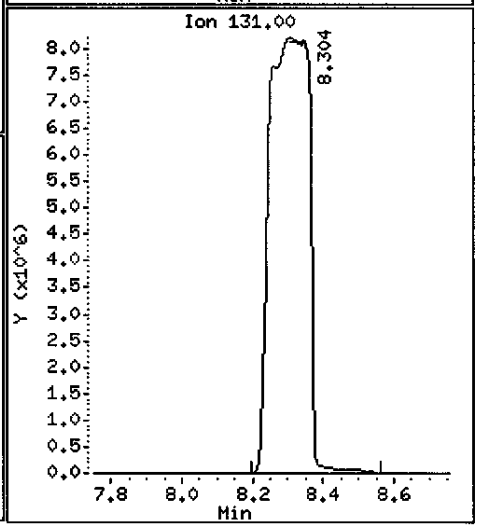












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6434.D

Date : 03-JUN-2005 19:36

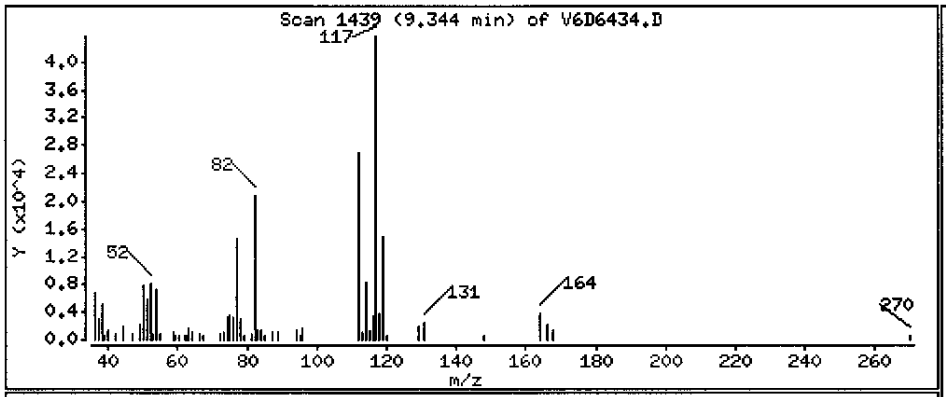
Client ID: MW-7 Instrument: V6.i

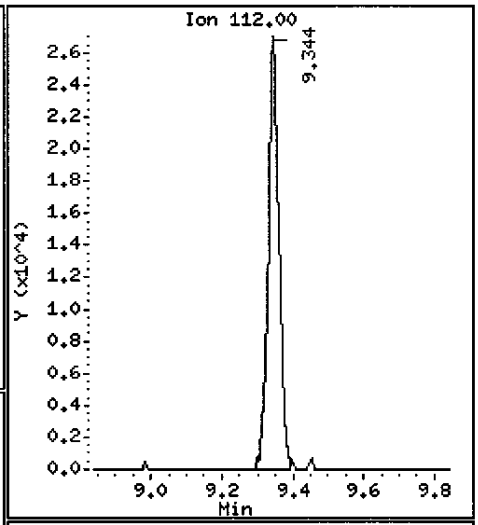
Sample Info: ,D0618-08A,18379

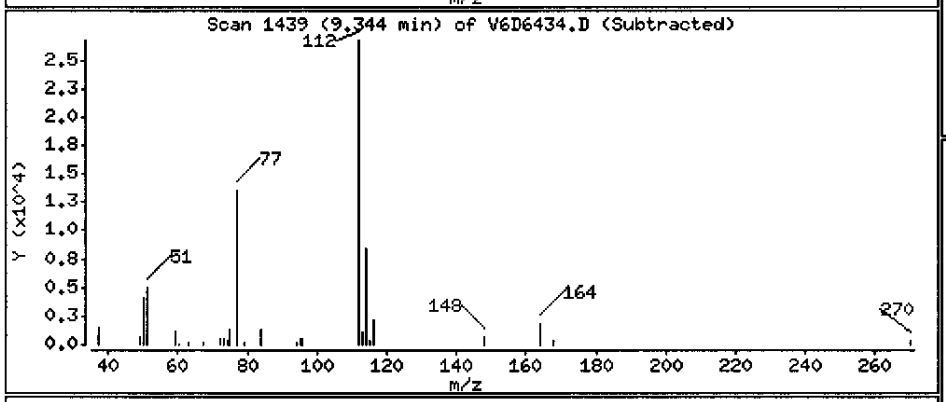
Purge Volume: 5.0 Operator: SB SRC: SB

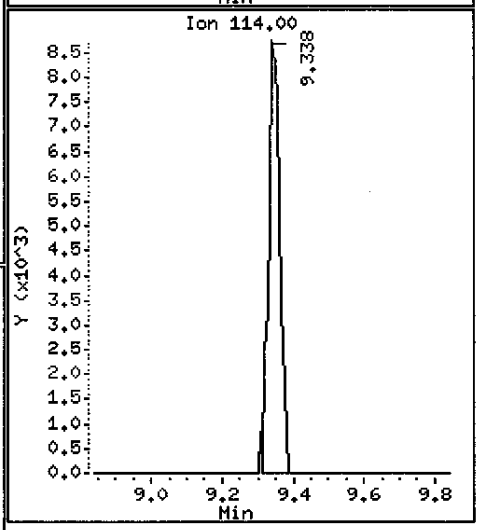
Column phase: DB-624 Column diameter: 0.25

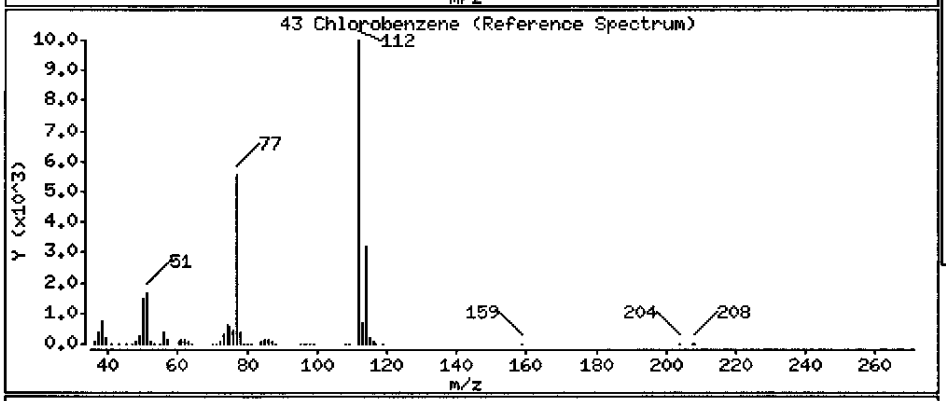
43 Chlorobenzene Concentration: 2 ug/L

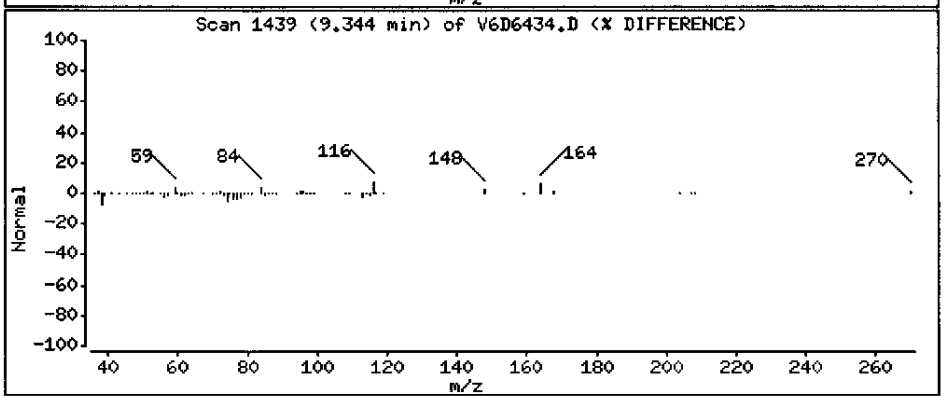












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-08ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6484

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/07/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1000.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10000	U
74-87-3	Chloromethane	10000	U
75-01-4	Vinyl Chloride	10000	U
74-83-9	Bromomethane	10000	U
75-00-3	Chloroethane	10000	U
75-69-4	Trichlorofluoromethane	10000	U
75-35-4	1,1-Dichloroethene	10000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10000	U
67-64-1	Acetone	10000	U
75-15-0	Carbon Disulfide	10000	U
79-20-9	Methyl Acetate	10000	U
75-09-2	Methylene Chloride	10000	U
156-60-5	trans-1,2-Dichloroethene	10000	U
1634-04-4	Methyl tert-Butyl Ether	10000	U
75-34-3	1,1-Dichloroethane	10000	U
156-59-2	cis-1,2-Dichloroethene	10000	U
78-93-3	2-Butanone	10000	U
67-66-3	Chloroform	10000	U
71-55-6	1,1,1-Trichloroethane	10000	U
110-82-7	Cyclohexane	10000	U
56-23-5	Carbon Tetrachloride	10000	U
71-43-2	Benzene	10000	U
107-06-2	1,2-Dichloroethane	10000	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-08ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6484

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/07/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1000.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10000	U
108-87-2	Methylcyclohexane	10000	U
78-87-5	1,2-Dichloropropane	10000	U
75-27-4	Bromodichloromethane	10000	U
10061-01-5	cis-1,3-Dichloropropene	10000	U
108-10-1	4-Methyl-2-Pentanone	10000	U
108-88-3	Toluene	10000	U
10061-02-6	trans-1,3-Dichloropropene	10000	U
79-00-5	1,1,2-Trichloroethane	10000	U
127-18-4	Tetrachloroethene	73000	D
591-78-6	2-Hexanone	10000	U
124-48-1	Dibromochloromethane	10000	U
106-93-4	1,2-Dibromoethane	10000	U
108-90-7	Chlorobenzene	10000	U
100-41-4	Ethylbenzene	10000	U
1330-20-7	Xylene (Total)	10000	U
100-42-5	Styrene	10000	U
75-25-2	Bromoform	10000	U
98-82-8	Isopropylbenzene	10000	U
79-34-5	1,1,2,2-Tetrachloroethane	10000	U
541-73-1	1,3-Dichlorobenzene	10000	U
106-46-7	1,4-Dichlorobenzene	10000	U
95-50-1	1,2-Dichlorobenzene	10000	U
96-12-8	1,2-Dibromo-3-chloropropane	10000	U
120-82-1	1,2,4-Trichlorobenzene	10000	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-7DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-08ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6484

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/07/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1000.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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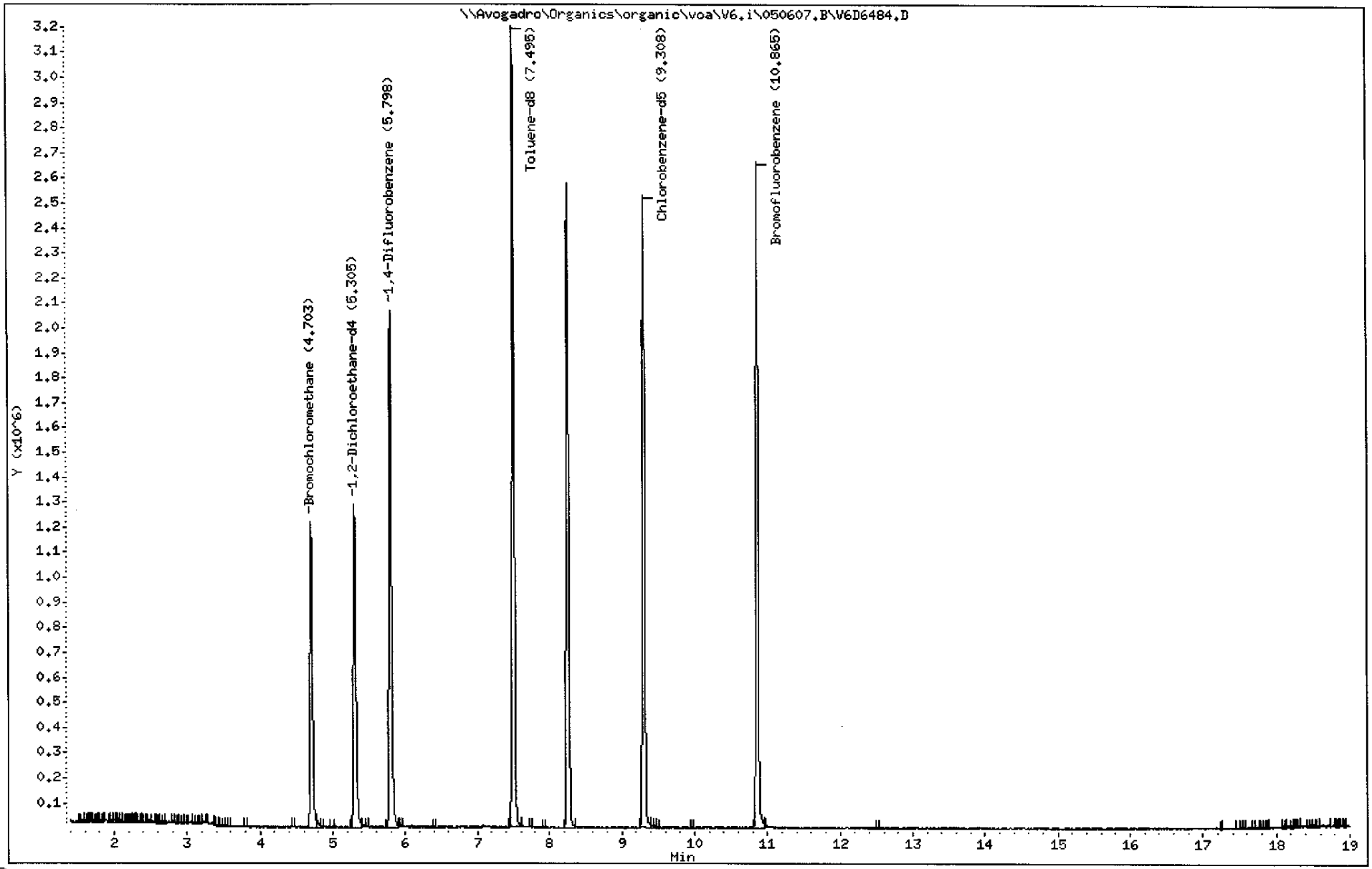
27.					
28.					
29.					
30.					

Data File: \\Avogadro\Organics\organic\voa\V6.i\050607.B\V6D6484.D
Date : 07-JUN-2005 12:07
Client ID: MW-7DL
Instrument: V6.i
Sample Info: ,D0618-08ADL,18423,1000X
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V6.i\050607.B\V6D6484.D
Report Date: 24-Jun-2005 17:57

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V6.i\050607.B\V6D6484.D
Lab Smp Id: D0618-08ADL Client Smp ID: MW-7DL
Inj Date : 07-JUN-2005 12:07
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-08ADL,18423,1000X
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050607.B\v6clp4s.m
Meth Date : 24-Jun-2005 17:55 mtl Quant Type: ISTD
Cal Date : 07-JUN-2005 09:57 Cal File: V6D6481.D
Als bottle: 4
Dil Factor: 1000.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.12
Processing Host: TARGET10

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1000.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Va	10.000	LCS Aliquot Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	4.702	4.699	(1.000)	387685	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.304	5.302	(1.128)	1181349	49.2331	49
* 26 1,4-Difluorobenzene	114	5.797	5.794	(1.000)	1732930	50.0000	
$ 33 Toluene-d8	98	7.494	7.492	(0.805)	2374113	45.8778	46
37 Tetrachloroethene	164	8.255	8.258	(0.887)	725809	73.2295	73000
* 42 Chlorobenzene-d5	117	9.307	9.304	(1.000)	1725656	50.0000	
$ 50 Bromofluorobenzene	95	10.865	10.862	(1.167)	946343	45.1703	45

KC 6/27/05

Data File: \\Avogadro\Organics\organic\voa\V6.i\050607.B\V6D6484.D
Report Date: 24-Jun-2005 17:57

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V6.i\050607.B\V6D6484.D
Lab Smp Id: D0618-08ADL Client Smp ID: MW-7DL
Inj Date : 07-JUN-2005 12:07
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-08ADL,18423,1000X
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050607.B\v6clp4s.m
Meth Date : 24-Jun-2005 17:55 mtl Quant Type: ISTD
Cal Date : 07-JUN-2005 09:57 Cal File: V6D6481.D
Als bottle: 4
Dil Factor: 1000.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.12
Processing Host: TARGET10

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V6.i\050607.B\V6D6484.D

Date : 07-JUN-2005 12:07

Client ID: MW-7DL

Instrument: V6.i

Sample Info: ,D0618-08ADL,18423,1000X

Purge Volume: 5.0

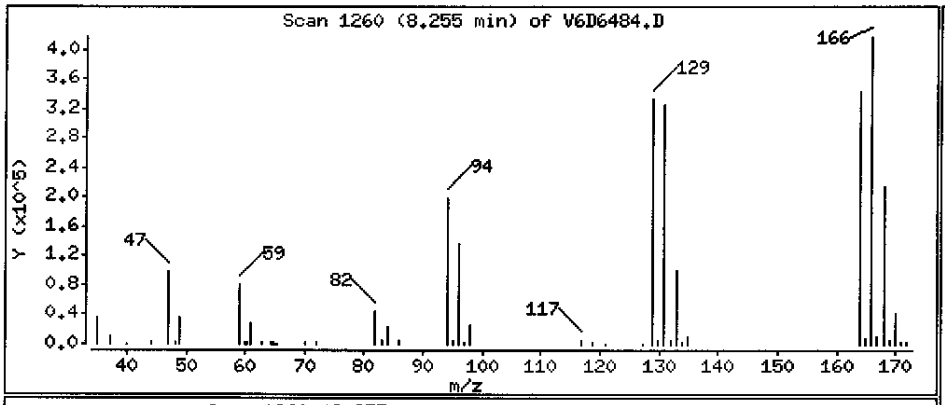
Operator: SB SRC: SB

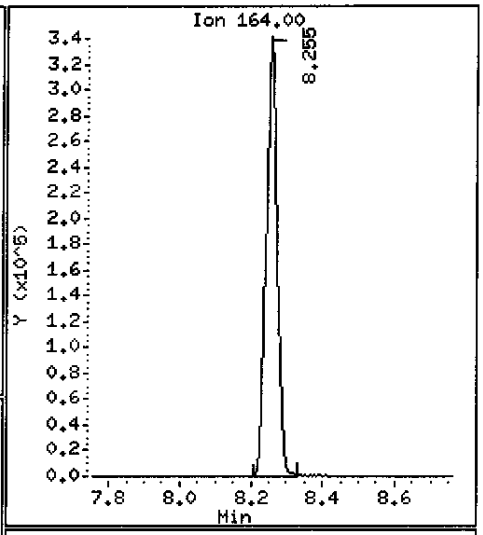
Column phase: DB-624

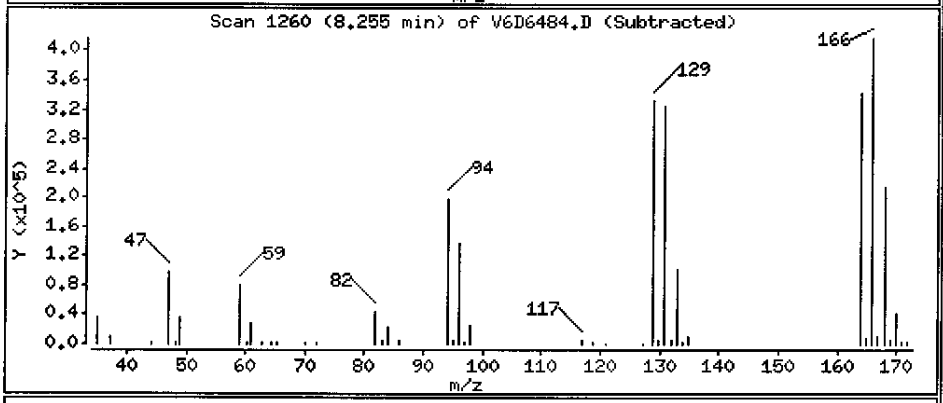
Column diameter: 0.25

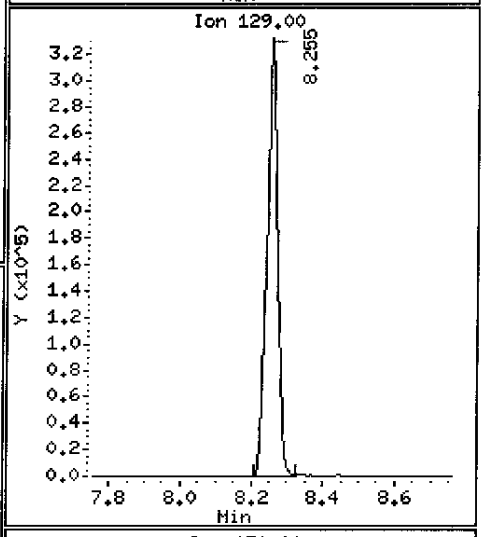
37 Tetrachloroethene

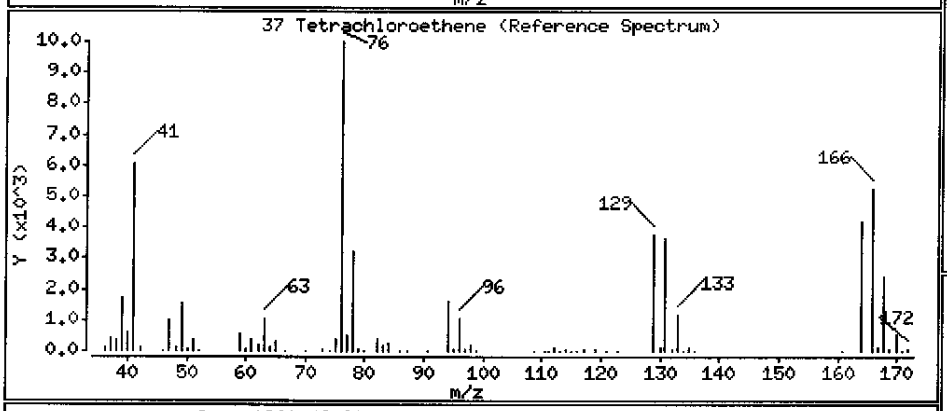
Concentration: 73000 ug/L

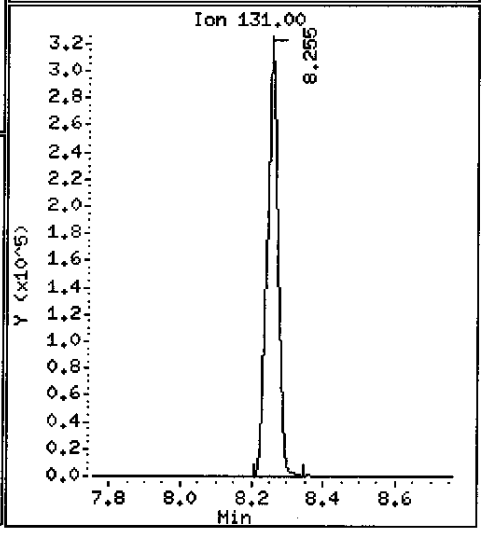


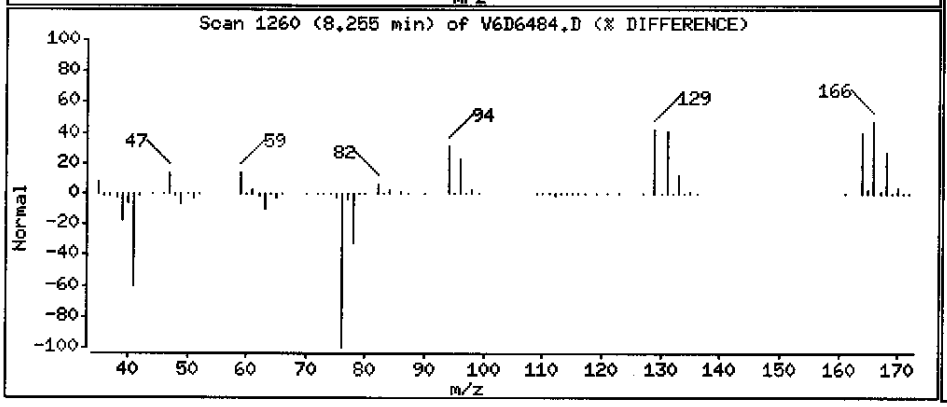












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PW-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6409

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	5400	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	86	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	36	
75-15-0	Carbon Disulfide	3	J
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	650	E
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	18	
156-59-2	cis-1,2-Dichloroethene	11000	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	14	
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PW-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6409

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	2700	E
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	170	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	7500	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	7	J
100-41-4	Ethylbenzene	6	J
1330-20-7	Xylene (Total)	6	J
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

PW-3

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6409

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	527-84-4	BENZENE, 1-METHYL-2-(1-METHY	12.28	62	NJ
2.	1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.74	7	NJ
3.	934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	13.17	7	NJ
4.	4695-62-9	BICYCLO[2.2.1]HEPTAN-2-ONE,	13.57	9	NJ
5.	527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	13.62	5	NJ
6.	488-23-3	BENZENE, 1,2,3,4-TETRAMETHYL	13.67	7	NJ
7.		UNKNOWN	14.13	6	J
8.		CYCLIC ALKANE	14.20	12	J
9.	464-48-2	BICYCLO[2.2.1]HEPTAN-2-ONE,	14.42	26	NJ
10.					
11.					
12.					
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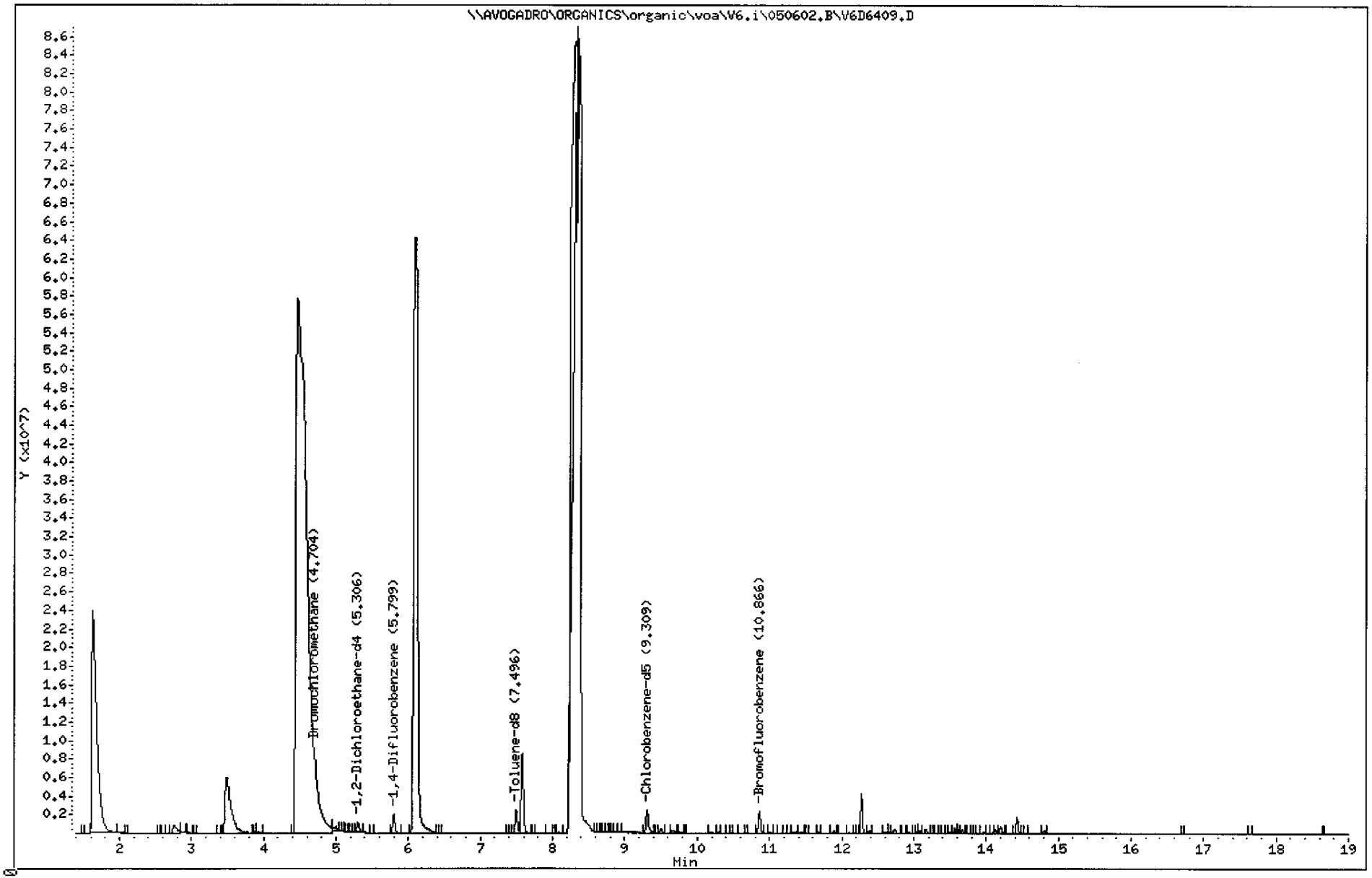
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D
Date : 02-JUN-2005 19:27
Client ID: PW-3
Instrument: V6.i
Sample Info: ,D0618-07A,MW-06,18358
Purge Volume: 5.0
Operator: SB SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D
Report Date: 22-Jun-2005 16:55

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D
Lab Smp Id: D0618-07A Client Smp ID: PW-3
Inj Date : 02-JUN-2005 19:27
Operator : SB SRC: LIMS Inst ID: V6.i
Smp Info : ,D0618-07A,MW-06,18358
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	3 Vinyl Chloride	62	1.625	1.635	(0.346)	52352270	5356.55	5400 (A)
	7 1,1-Dichloroethene	96	2.757	2.754	(0.586)	729551	85.9106	86
	9 Acetone	43	2.787	2.791	(0.593)	108058	35.9392	36
	10 Carbon Disulfide	76	2.958	2.955	(0.629)	63850	2.64461	3 (aM)
	13 trans-1,2-Dichloroethene	96	3.487	3.472	(0.741)	6759371	648.609	650 (A)
	15 1,1-Dichloroethane	63	3.901	3.873	(0.829)	364935	17.7087	18
	17 cis-1,2-Dichloroethene	96	4.442	4.457	(0.944)	112799522	10924.0	11000 (AQ)
*	18 Bromochloromethane	128	4.704	4.695	(1.000)	365712	50.0000	(Q)
	20 1,1,1-Trichloroethane	97	4.989	4.981	(0.860)	241919	13.9380	14
$	23 1,2-Dichloroethane-d4	65	5.306	5.303	(1.128)	887950	43.7802	44
*	26 1,4-Difluorobenzene	114	5.798	5.796	(1.000)	1836665	50.0000	
	27 Trichloroethene	130	6.085	6.088	(1.049)	35977893	2700.69	2700 (A)
$	33 Toluene-d8	98	7.496	7.493	(0.805)	2061371	45.2630	45
	34 Toluene	91	7.581	7.572	(0.814)	7987609	171.017	170
	37 Tetrachloroethene	164	8.323	8.253	(0.894)	78855380	7466.67	7500 (A)
*	42 Chlorobenzene-d5	117	9.309	9.306	(1.000)	1757972	50.0000	

MI KC 6/22/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D
Report Date: 22-Jun-2005 16:55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	43 Chlorobenzene	112	9.351	9.342	(1.005)	240740	7.04838	7(a)
	44 Ethylbenzene	106	9.509	9.501	(1.022)	106239	6.33045	6(a)
	45 m,p-Xylene	106	9.668	9.659	(1.039)	100236	4.54371	5(a)
	46 o-Xylene	106	10.191	10.188	(1.095)	33932	1.62386	2(a)
$	50 Bromofluorobenzene	95	10.866	10.857	(1.167)	917161	49.0875	49
M	41 Xylene (Total)	106				134168	6.16757	6(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D
Report Date: 22-Jun-2005 16:49

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D
Lab Smp Id: D0618-07A Client Smp ID: PW-3
Inj Date : 02-JUN-2005 19:27
Operator : SB SRC: LIMS Inst ID: V6.i
Smp Info : ,D0618-07A,MW-06,18358
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

ISTD	RT	AREA	AMOUNT
* 42 Chlorobenzene-d5	9.309	5805504	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Benzene, 1-methyl-2-(1-methylethyl)-				CAS #: 527-84-4			
12.277	7177154	61.8133585	62	97	NIST98.L	14405	42
Benzene, 2-ethyl-1,4-dimethyl-				CAS #: 1758-88-9			
12.740	821984	7.07935091	7	94	NIST98.L	14365	42
Benzene, 4-ethyl-1,2-dimethyl-				CAS #: 934-80-5			
13.172	846275	7.28855755	7	95	NIST98.L	14376	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D
Report Date: 22-Jun-2005 16:49

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimet				CAS #: 4695-62-9			
13.573	1006087	8.66494106	9	94	NIST98.L	24107	42
Benzene, 1,2,3,5-tetramethyl-				CAS #: 527-53-7			
13.616	603776	5.20003087	5	93	NIST98.L	14354	42
Benzene, 1,2,3,4-tetramethyl-				CAS #: 488-23-3			
13.671	770315	6.63435078	7	97	NIST98.L	14357	42
Unknown				CAS #:			
14.133	680727	5.86277264	6	0		0	42
Cyclic Alkane				CAS #:			
14.200	1443622	12.4332185	12	0		0	42
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet				CAS #: 464-48-2			
14.425	3053061	26.2945388	26	98	NIST98.L	24202	42

Data File: \\AVOGADRO\ORGANICS\organic\woa\V6.i\050602.B\V6D6409.D

Date : 02-JUN-2005 19:27

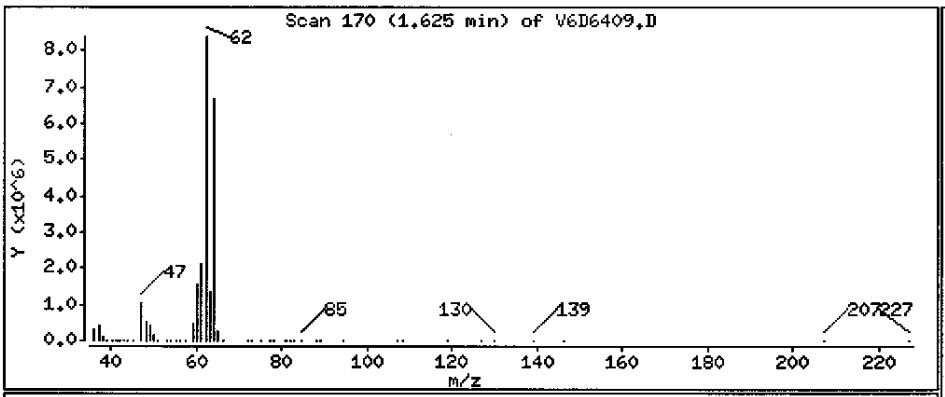
Client ID: PW-3 Instrument: V6.i

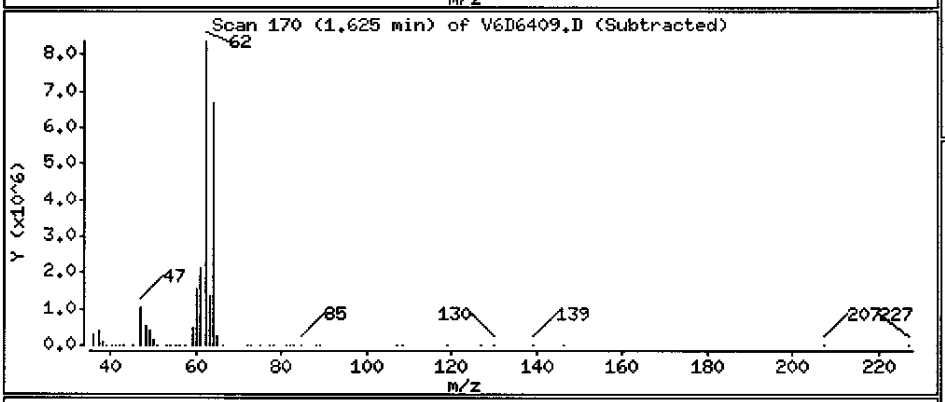
Sample Info: ,D0618-07A,MW-06,18358

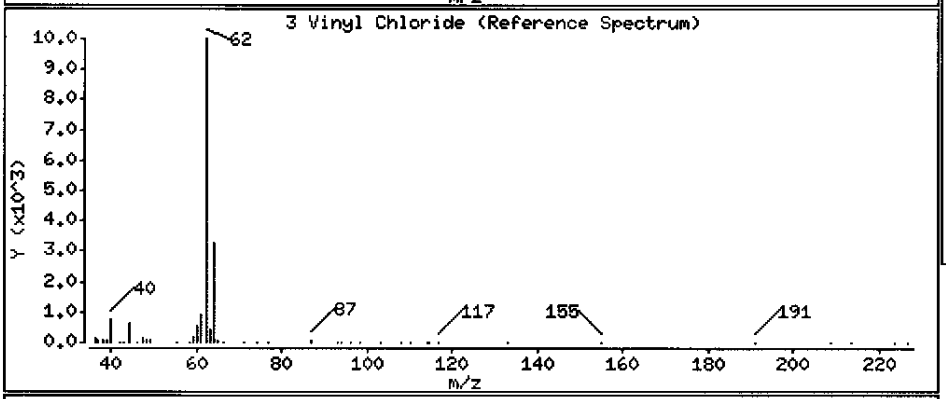
Purge Volume: 5.0 Operator: SB SRC: LIMS

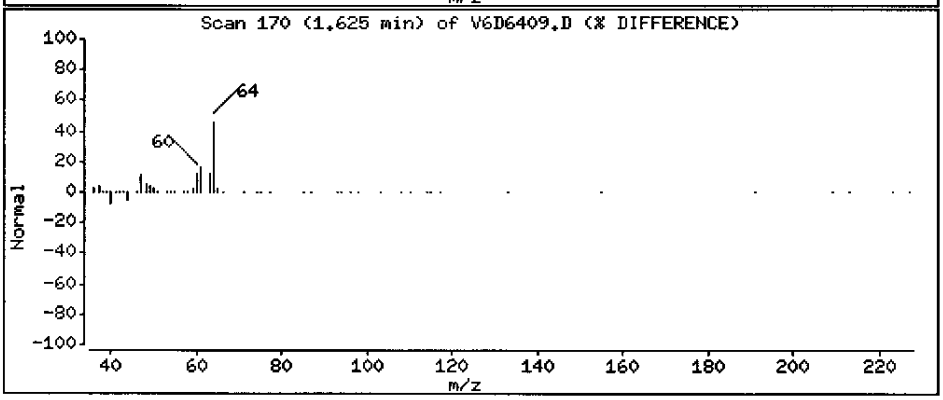
Column phase: DB-624 Column diameter: 0.25

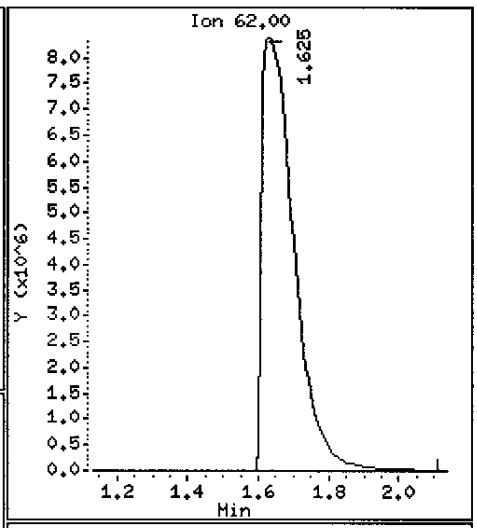
3 Vinyl Chloride Concentration: 5400 ug/L

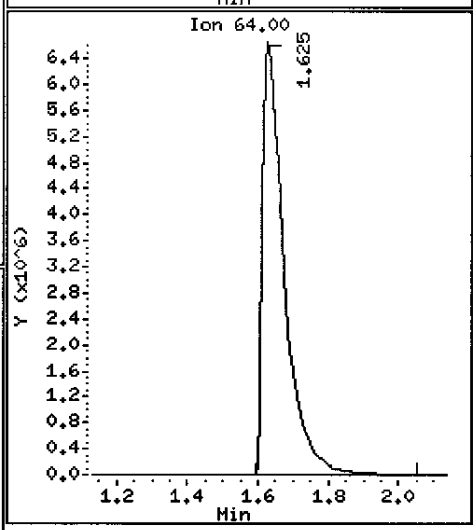












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D

Date : 02-JUN-2005 19:27

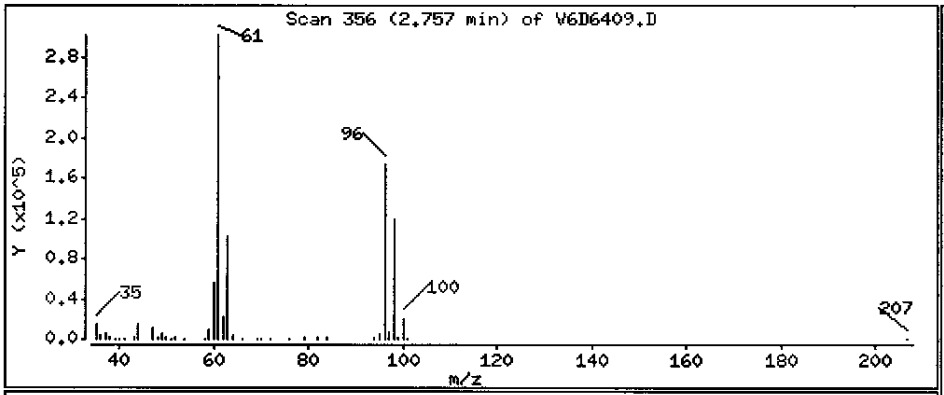
Client ID: PW-3 Instrument: V6.i

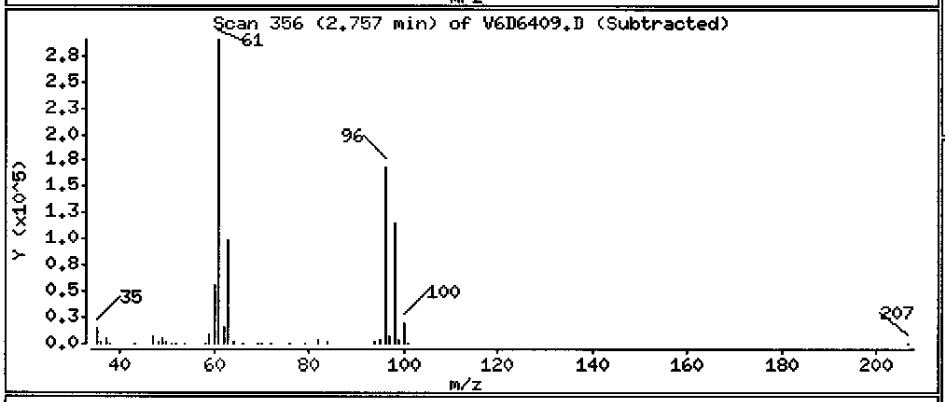
Sample Info: ,D0618-07A,MW-06,18358

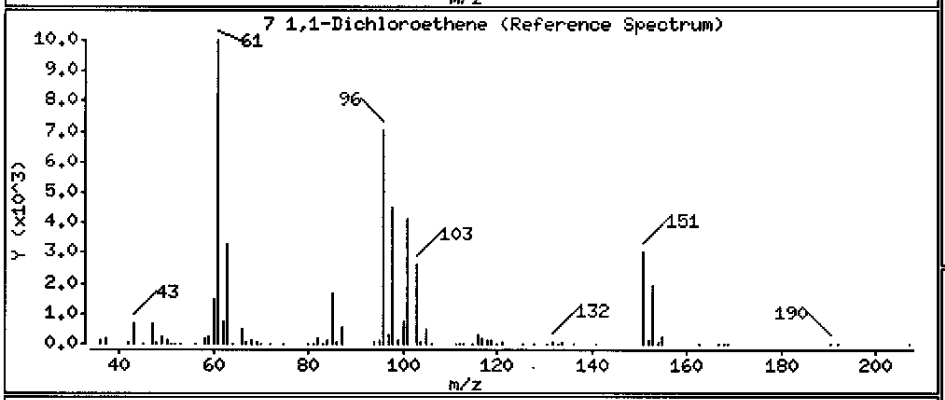
Purge Volume: 5.0 Operator: SB SRC: LIMS

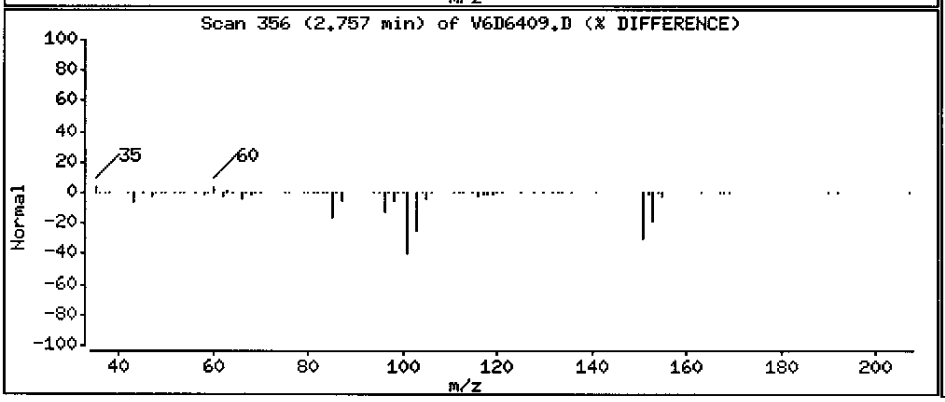
Column phase: DB-624 Column diameter: 0.25

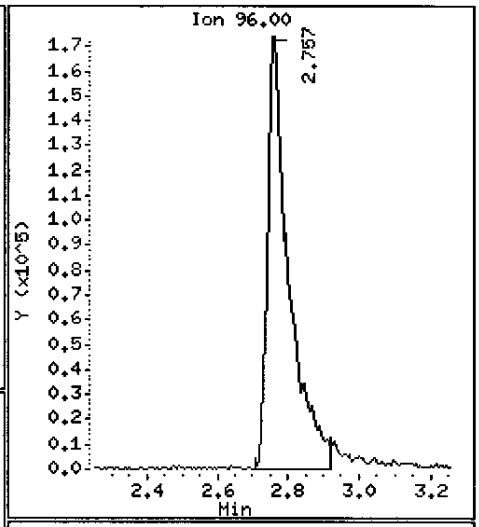
7 1,1-Dichloroethene Concentration: 86 ug/L

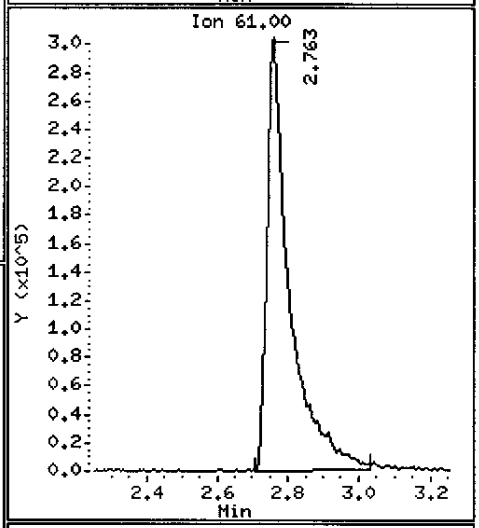


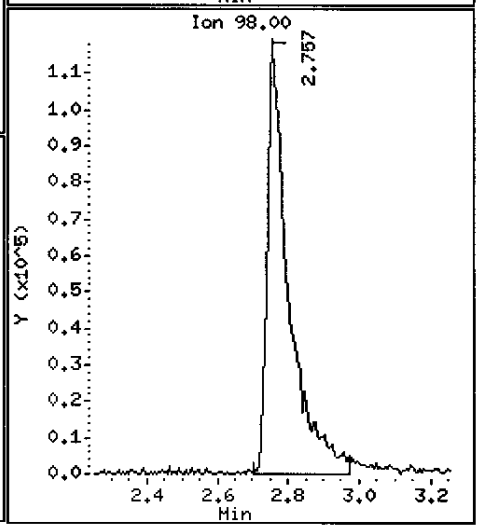












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D

Date : 02-JUN-2005 19:27

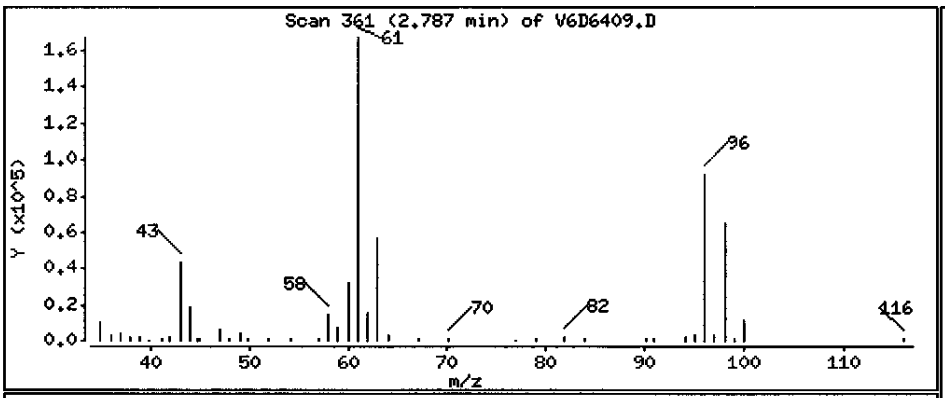
Client ID: PW-3 Instrument: V6.i

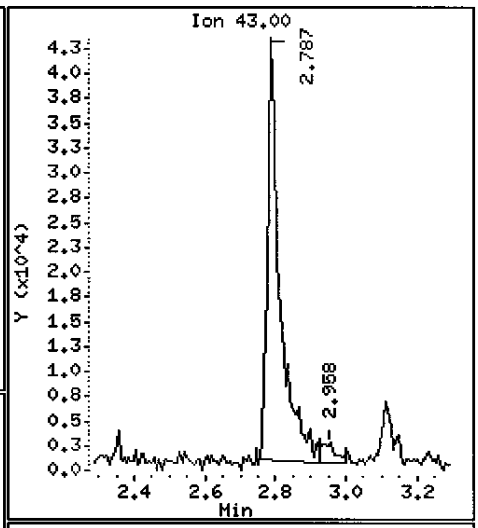
Sample Info: ,D0618-07A,MW-06,18358

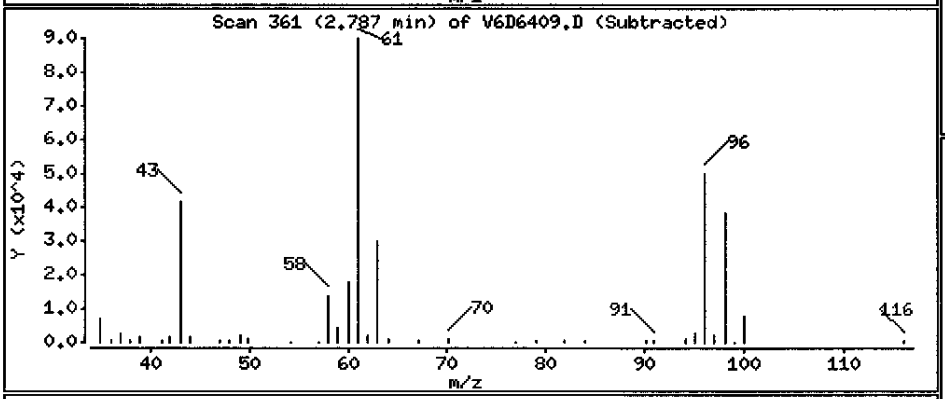
Purge Volume: 5.0 Operator: SB SRC: LIMS

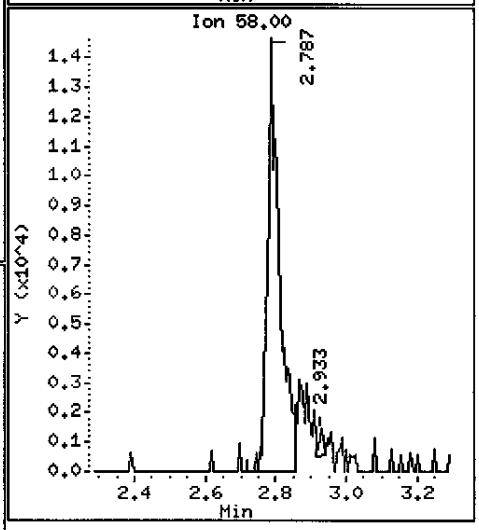
Column phase: DB-624 Column diameter: 0.25

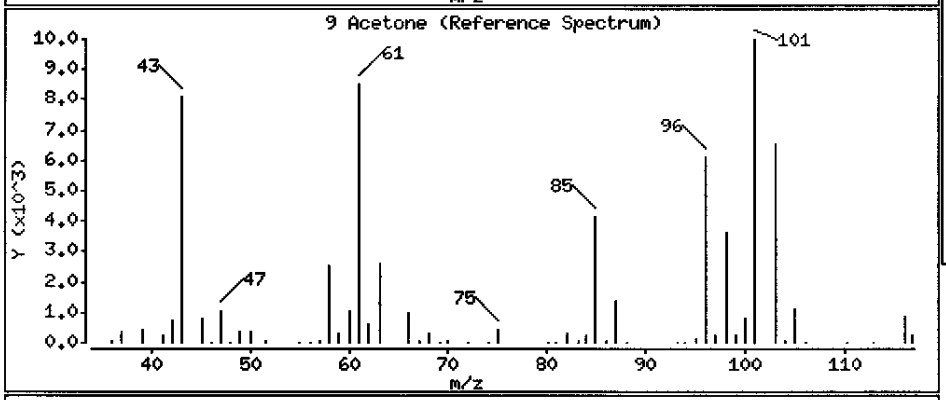
9 Acetone Concentration: 36 ug/L

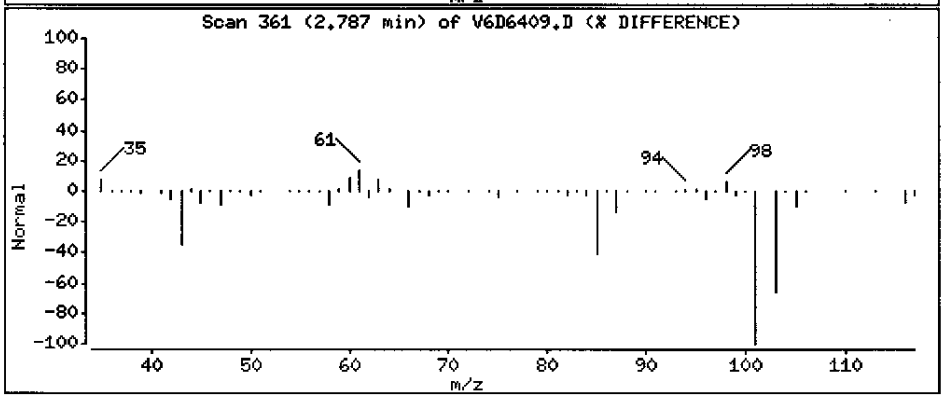












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D

Date : 02-JUN-2005 19:27

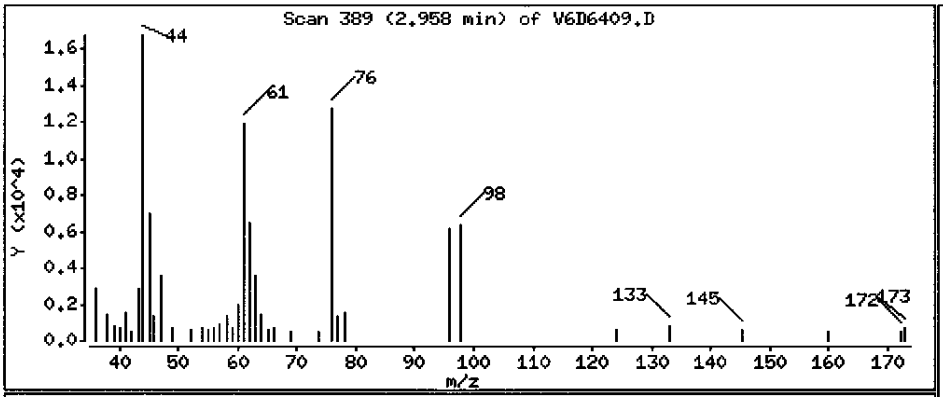
Client ID: PW-3 Instrument: V6.i

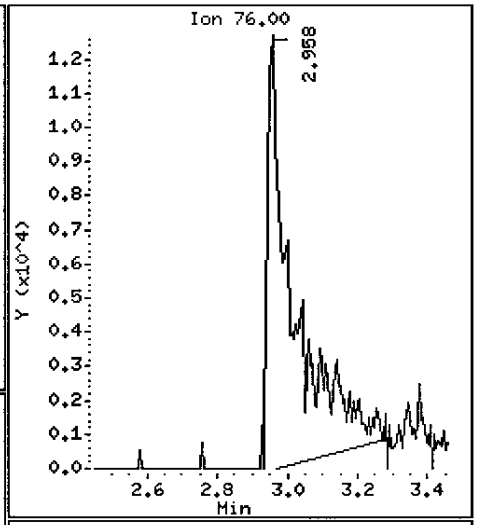
Sample Info: ,D0618-07A,MW-06,18358

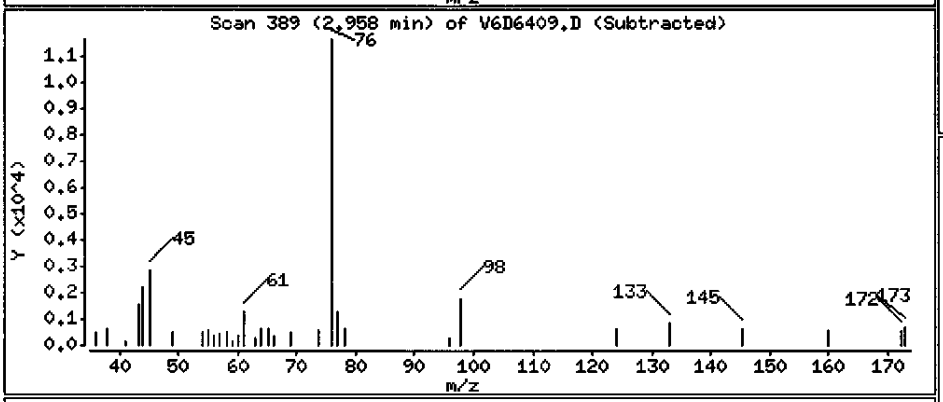
Purge Volume: 5.0 Operator: SB SRC: LIMS

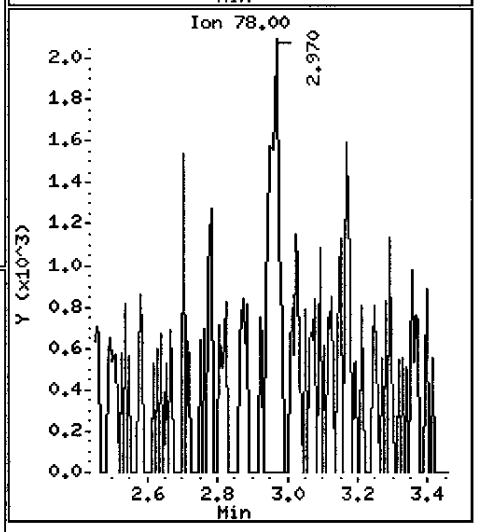
Column phase: DB-624 Column diameter: 0.25

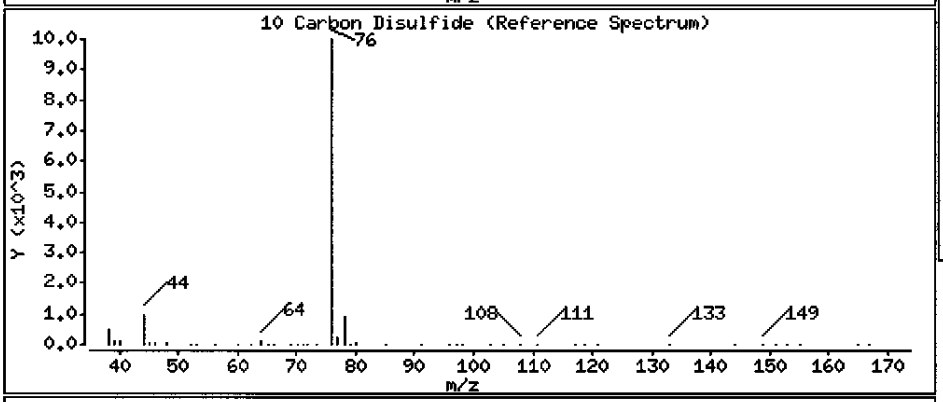
10 Carbon Disulfide Concentration: 3 ug/L

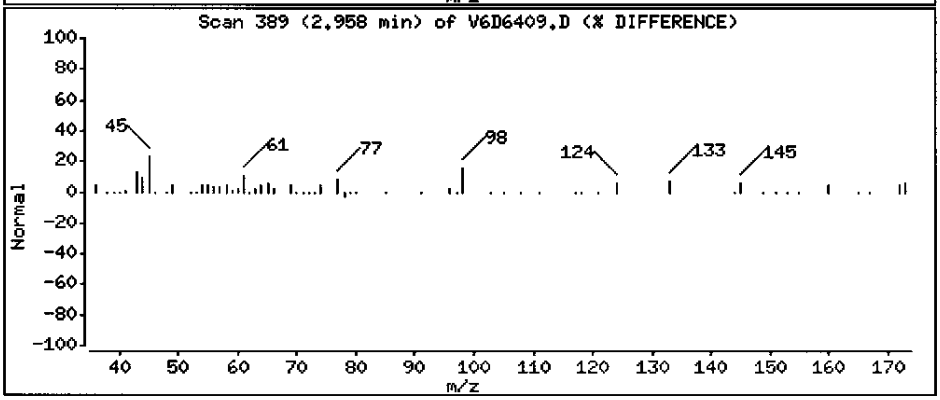












Data File: \\AVOGADRO\ORGANICS\organic\voa\W6.i\050602.B\V6D6409.D

Date : 02-JUN-2005 19:27

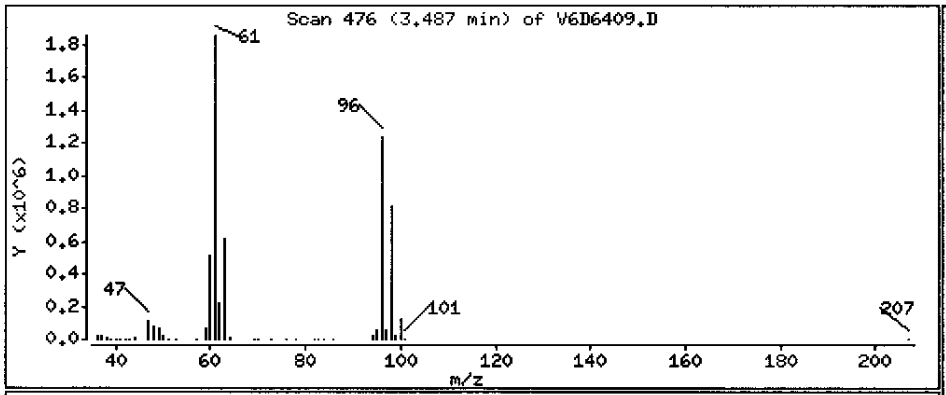
Client ID: PW-3 Instrument: V6.i

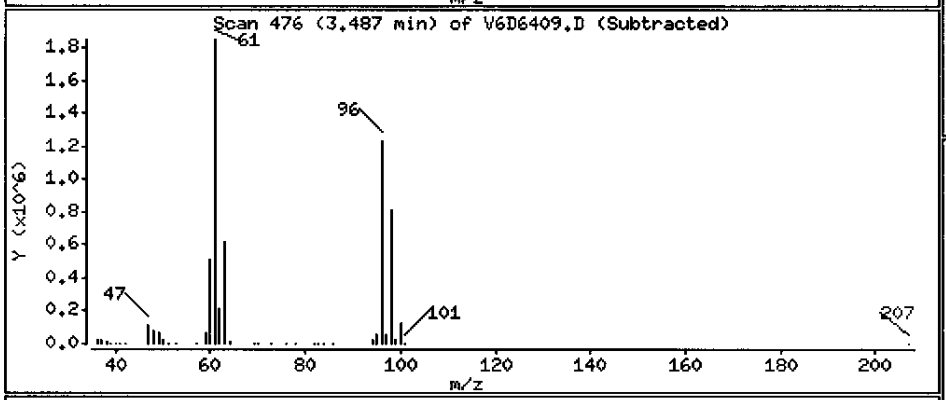
Sample Info: ,D0618-07A,MW-06,18358

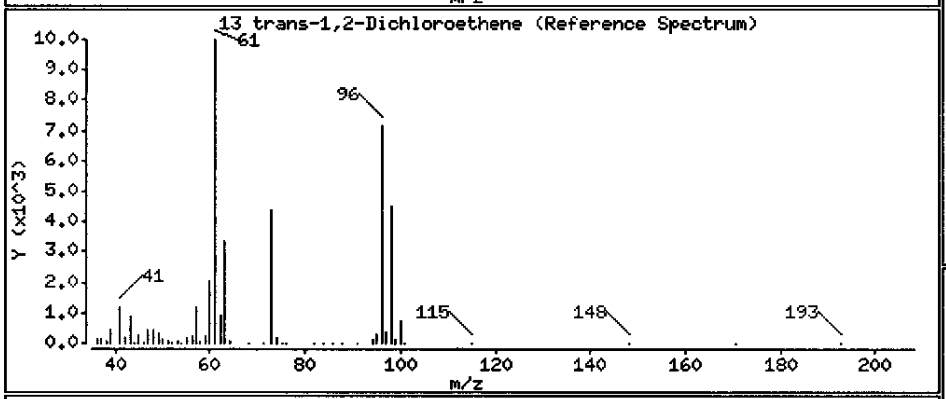
Purge Volume: 5.0 Operator: SB SRC: LIMS

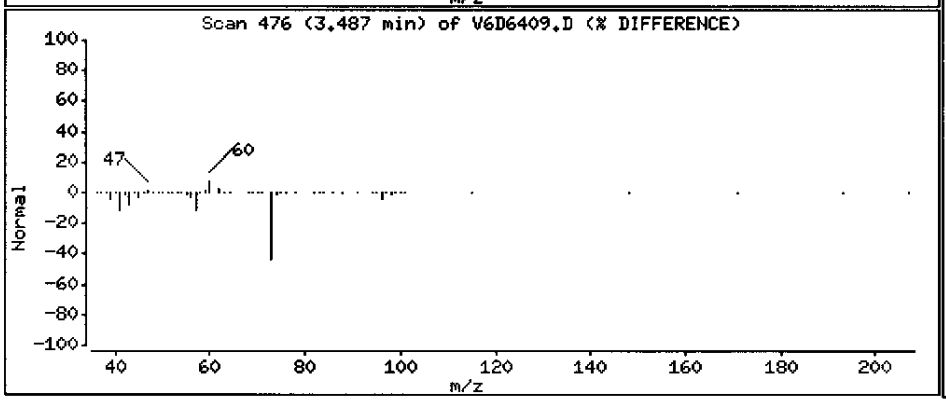
Column phase: DB-624 Column diameter: 0.25

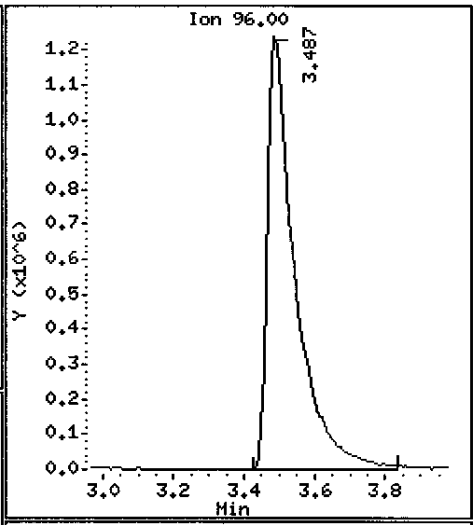
13 trans-1,2-Dichloroethene Concentration: 650 ug/L

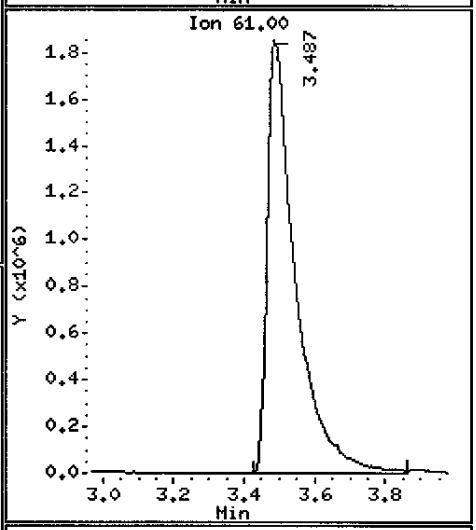


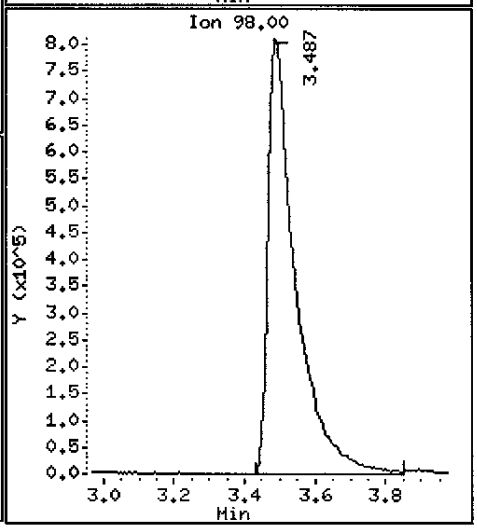












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D

Date : 02-JUN-2005 19:27

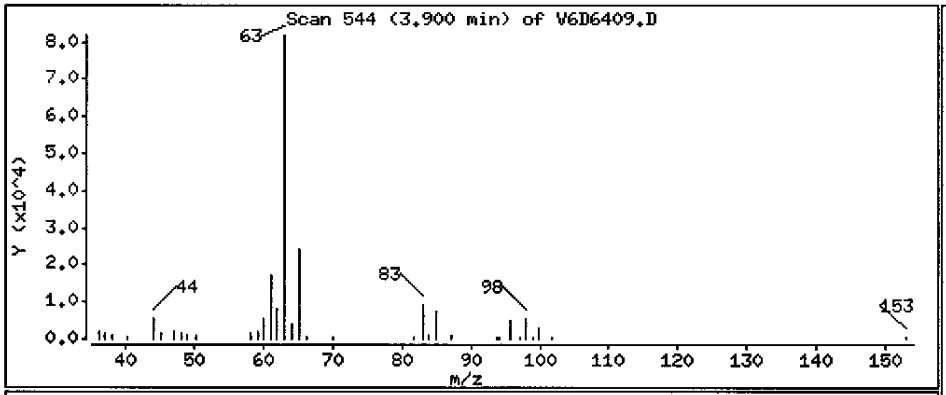
Client ID: PW-3 Instrument: V6.i

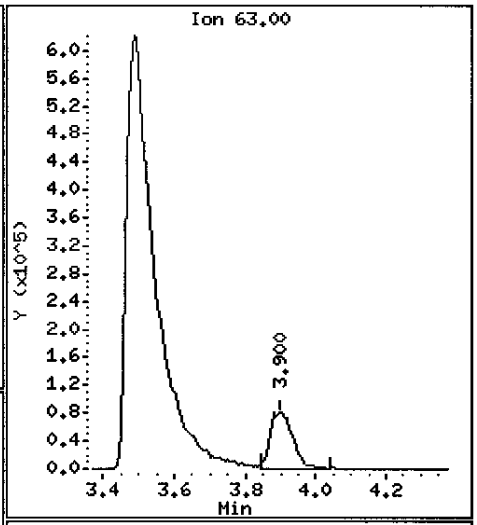
Sample Info: ,D0618-07A,MW-06,18358

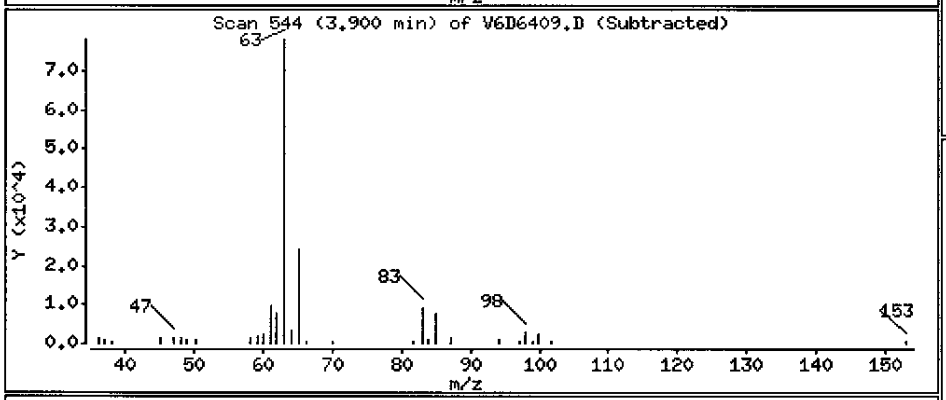
Purge Volume: 5.0 Operator: SB SRC: LIMS

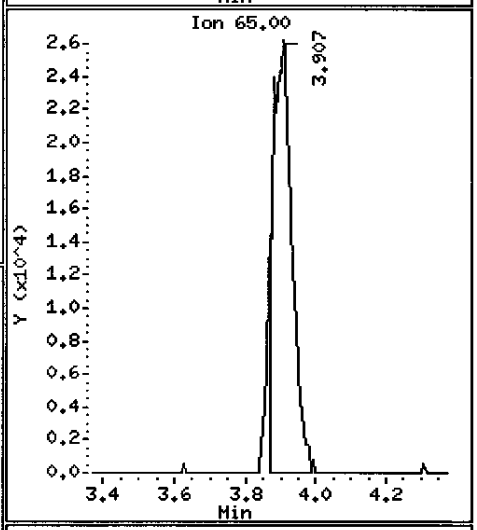
Column phase: DB-624 Column diameter: 0.25

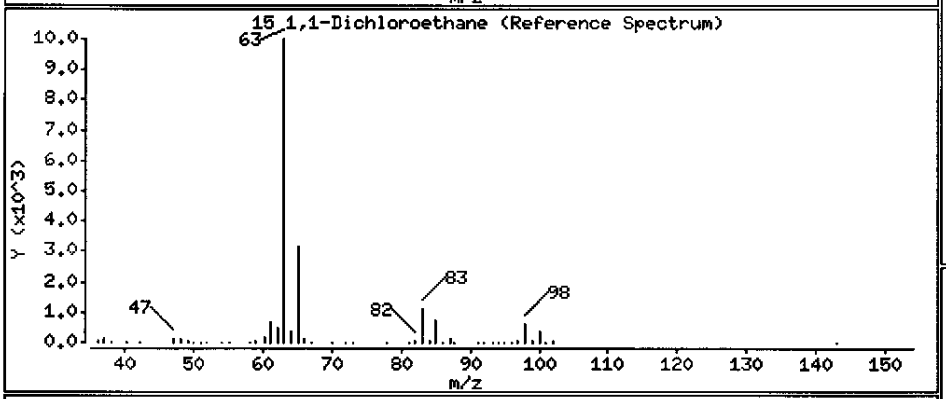
15 1,1-Dichloroethane Concentration: 18 ug/L

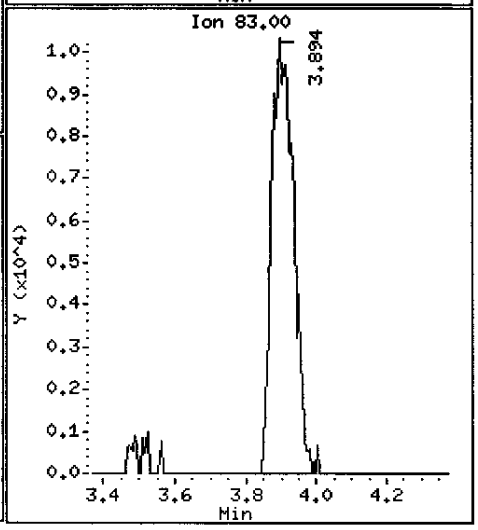


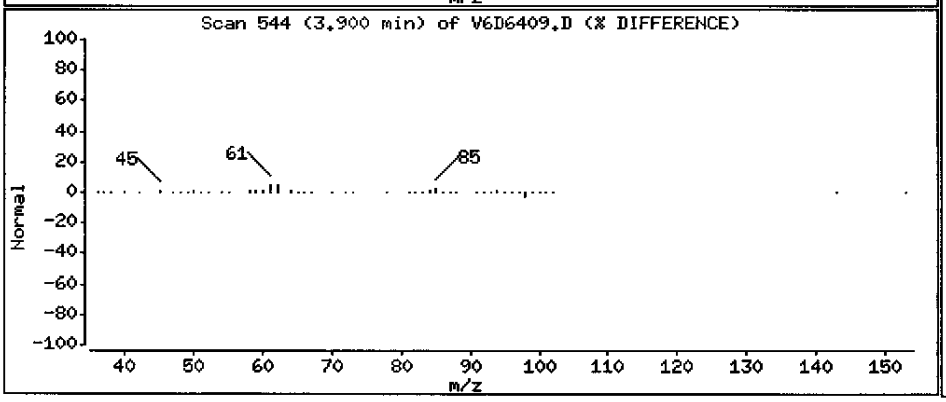












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D

Date : 02-JUN-2005 19:27

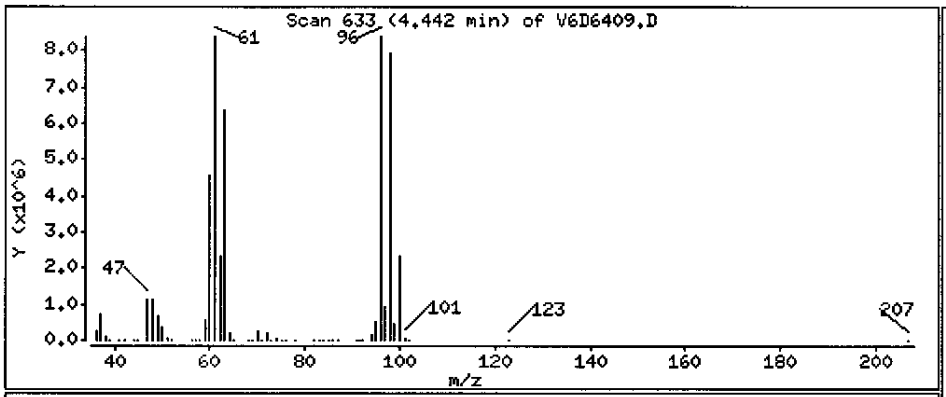
Client ID: PW-3 Instrument: V6.i

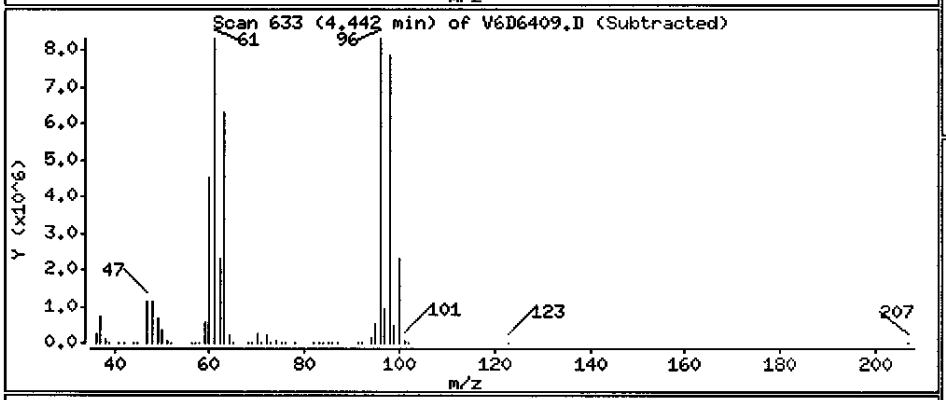
Sample Info: ,D0618-07A,MW-06,18358

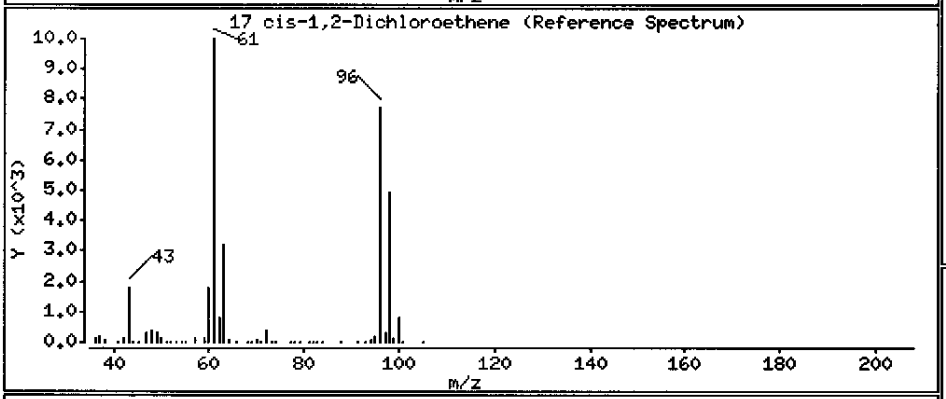
Purge Volume: 5.0 Operator: SB SRC: LIMS

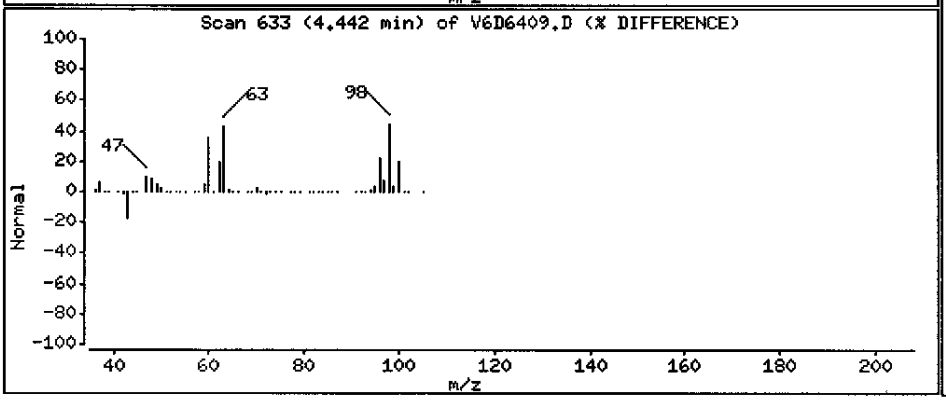
Column phase: DB-624 Column diameter: 0.25

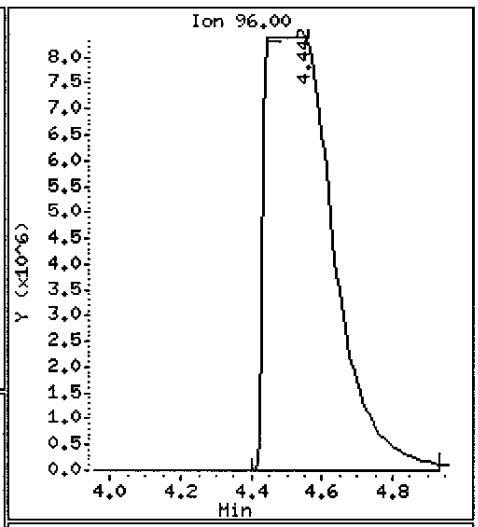
17 cis-1,2-Dichloroethene Concentration: 11000 ug/L

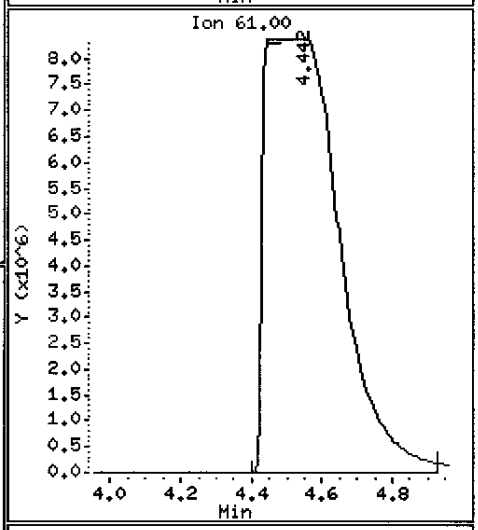


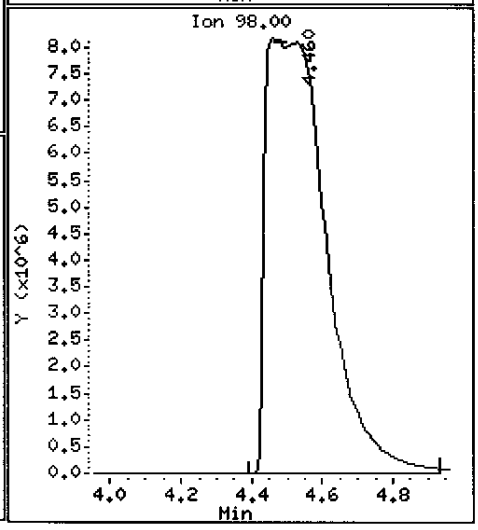












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D

Date : 02-JUN-2005 19:27

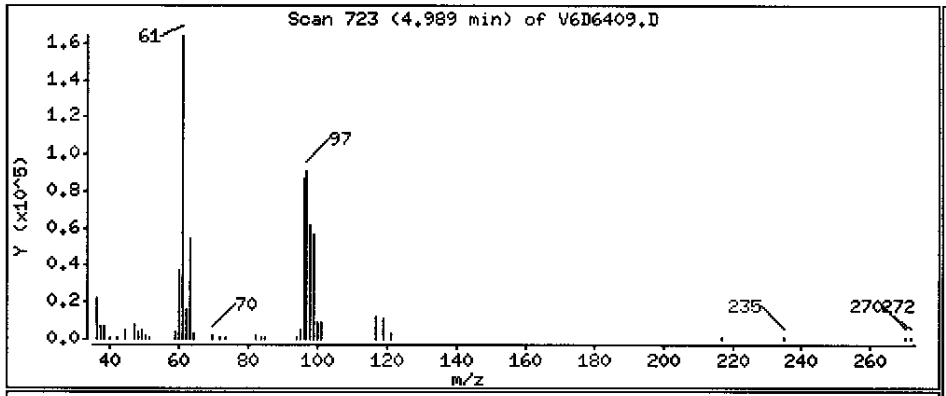
Client ID: PW-3 Instrument: V6.i

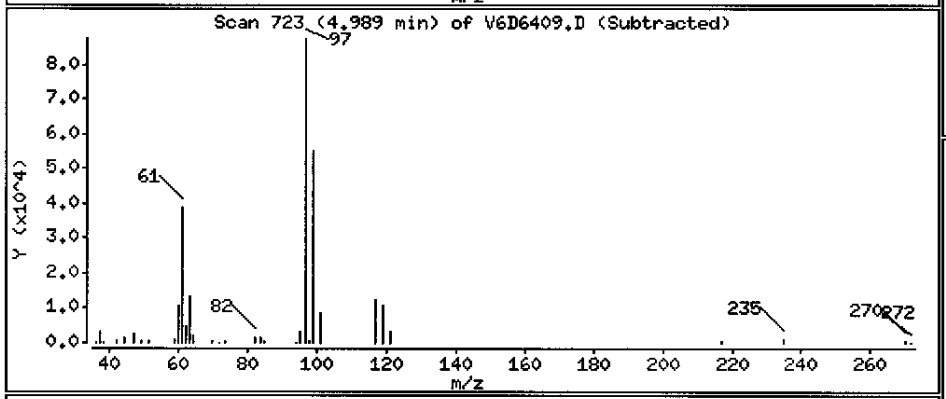
Sample Info: ,D0618-07A,MW-06,18358

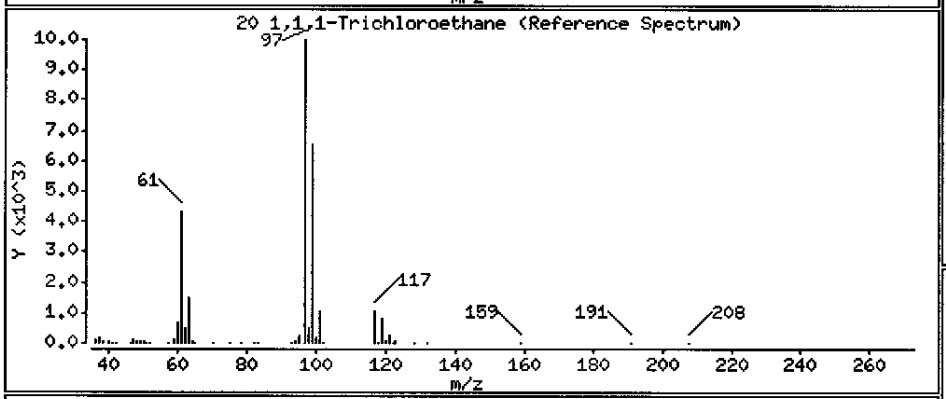
Purge Volume: 5.0 Operator: SB SRC: LIMS

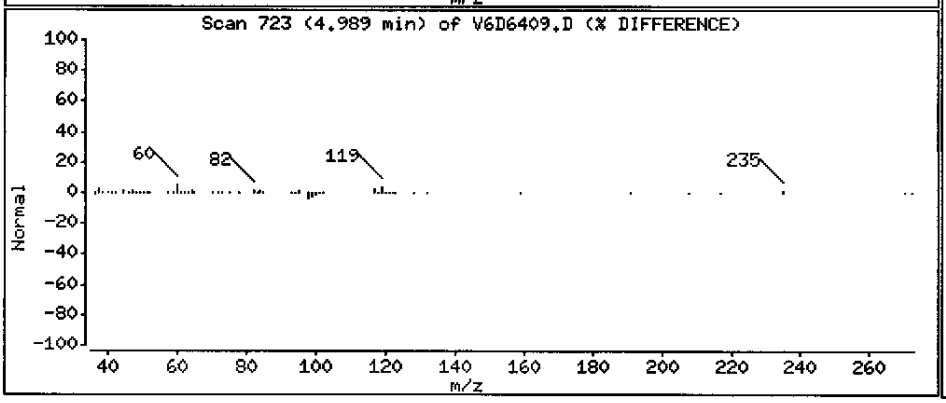
Column phase: DB-624 Column diameter: 0.25

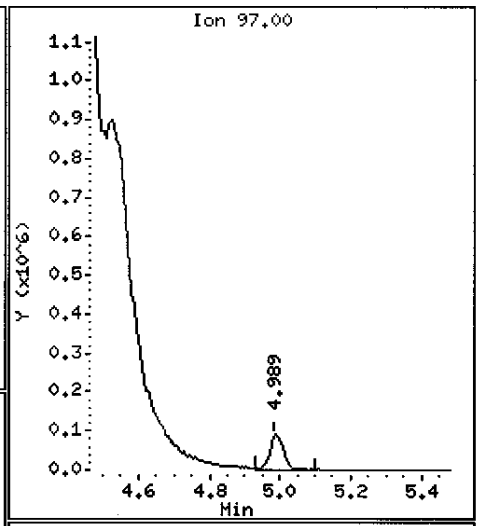
20 1,1,1-Trichloroethane Concentration: 14 ug/L

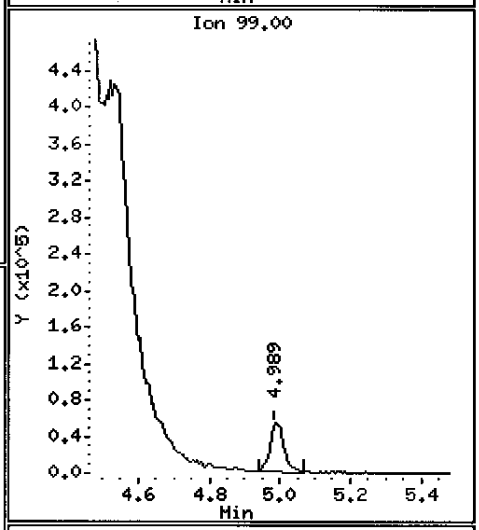


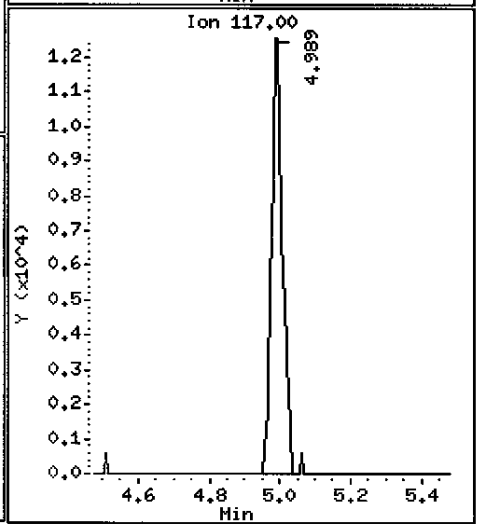












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D

Date : 02-JUN-2005 19:27

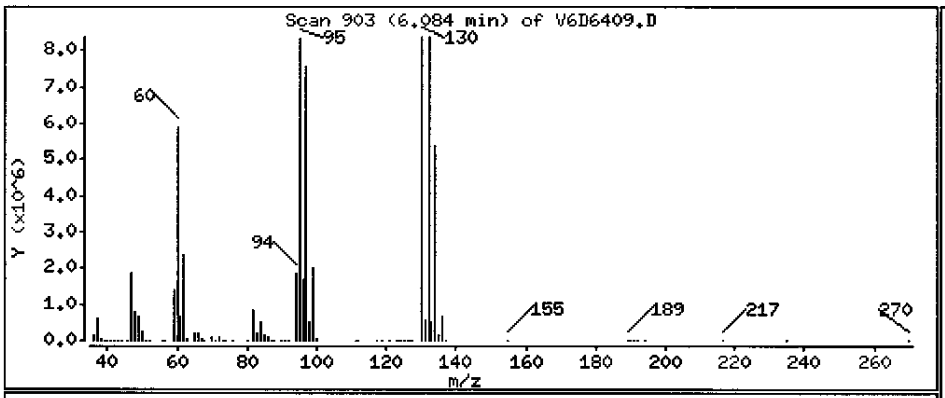
Client ID: PW-3 Instrument: V6.i

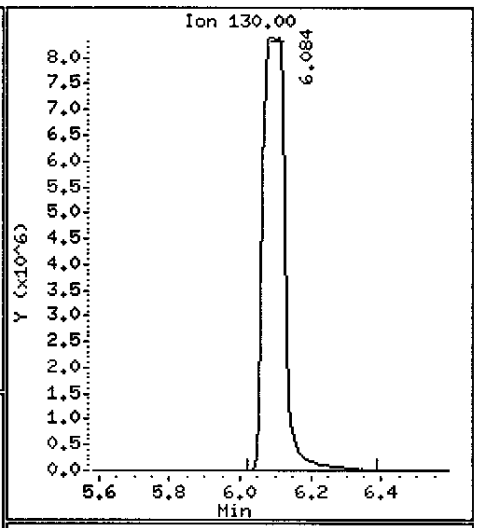
Sample Info: ,D0618-07A,MW-06,18358

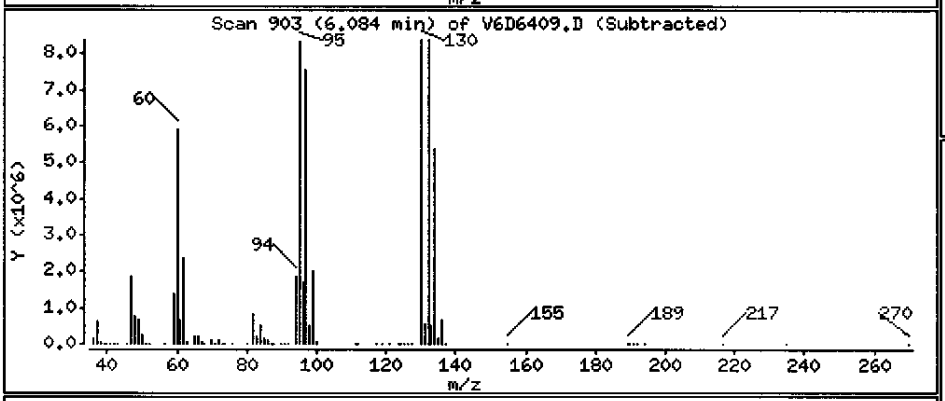
Purge Volume: 5.0 Operator: SB SRC: LIMS

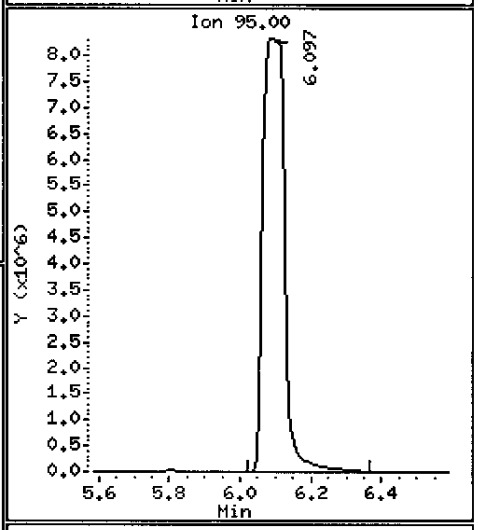
Column phase: DB-624 Column diameter: 0.25

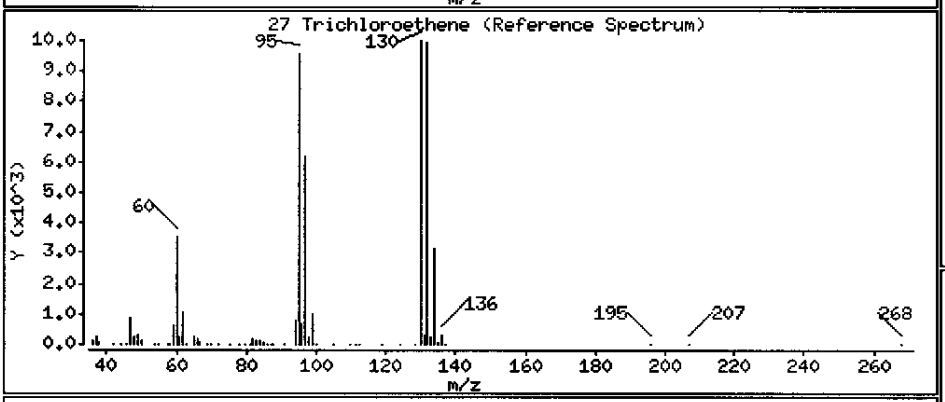
27 Trichloroethene Concentration: 2700 ug/L

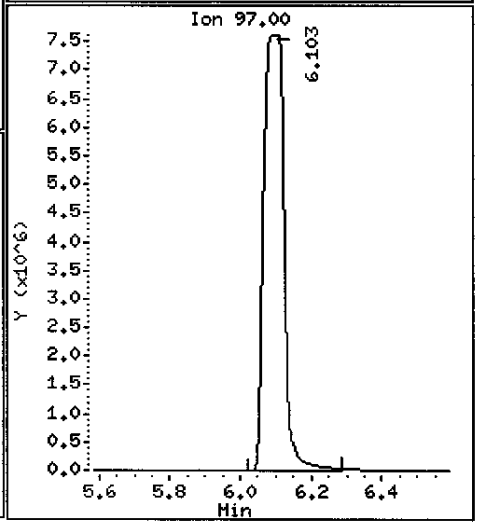


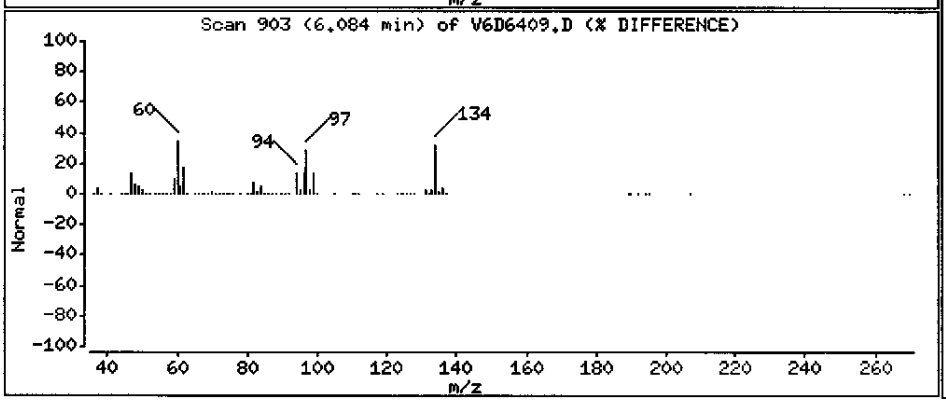












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D

Date : 02-JUN-2005 19:27

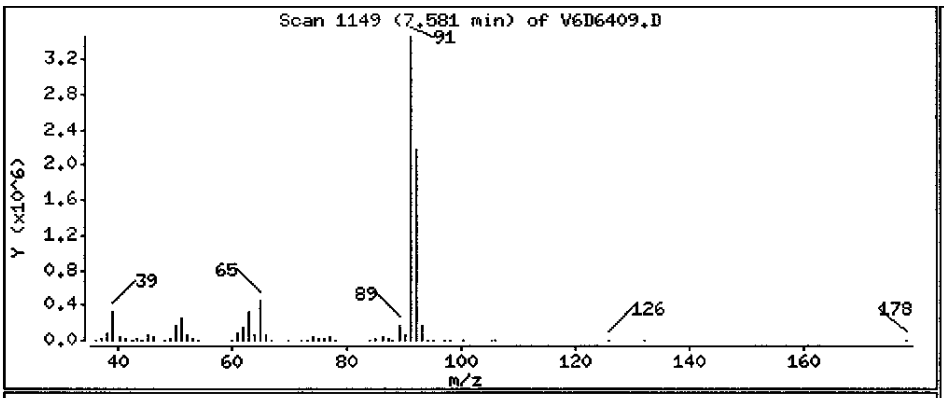
Client ID: PW-3 Instrument: V6.i

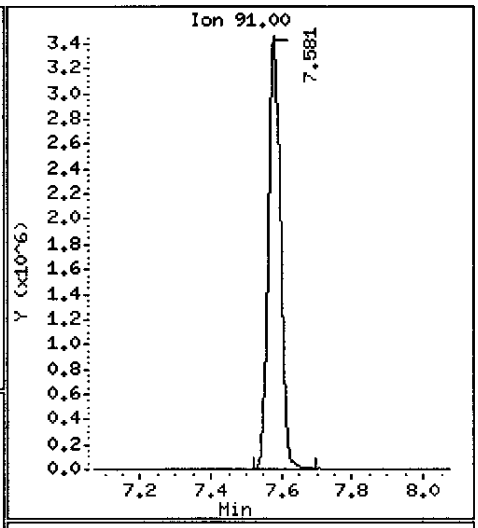
Sample Info: ,D0618-07A,MW-06,18358

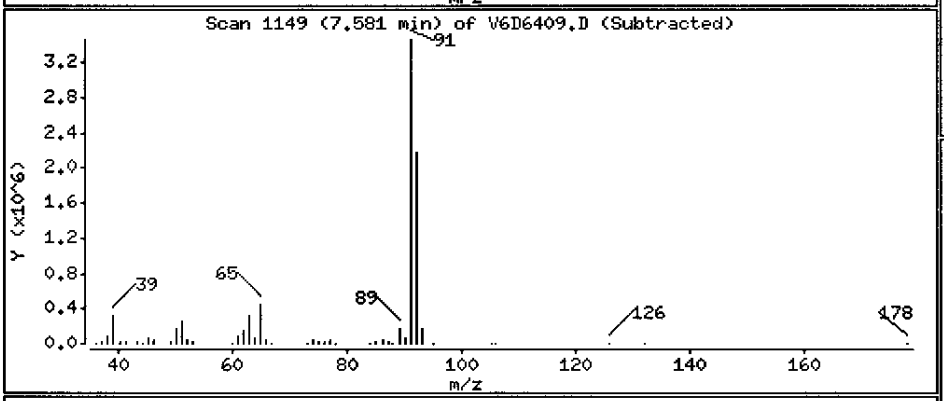
Purge Volume: 5.0 Operator: SB SRC: LIMS

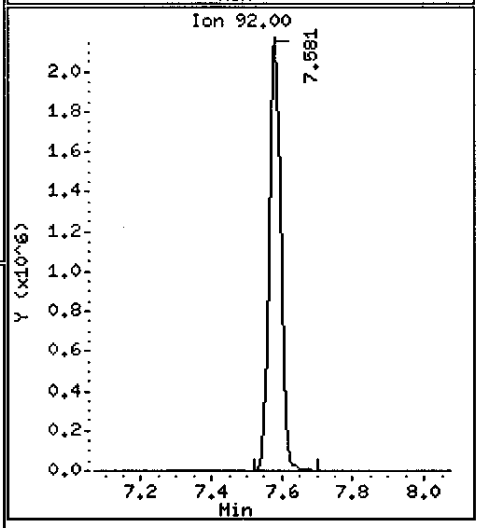
Column phase: DB-624 Column diameter: 0.25

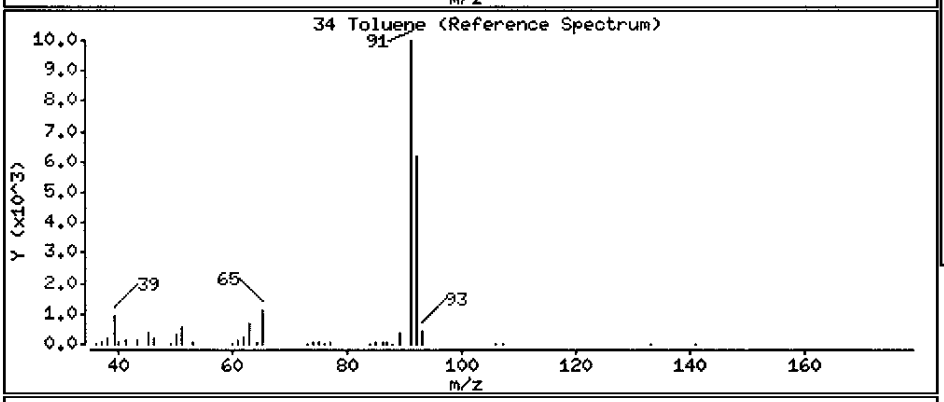
34 Toluene Concentration: 170 ug/L

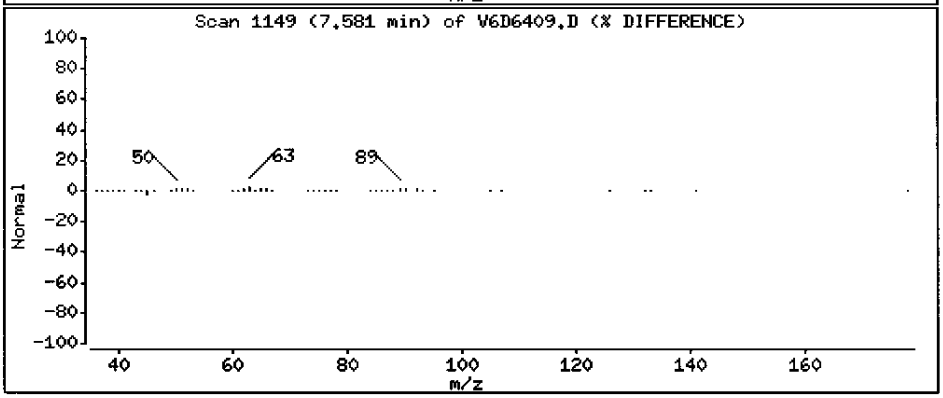












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D

Date : 02-JUN-2005 19:27

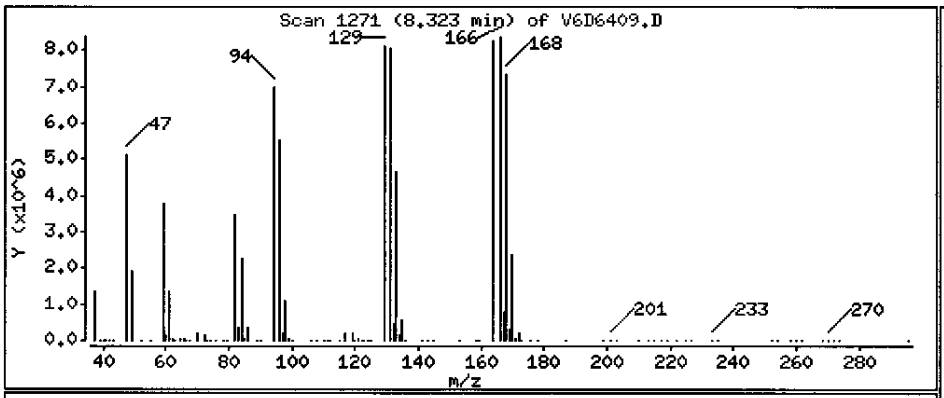
Client ID: PW-3 Instrument: V6.i

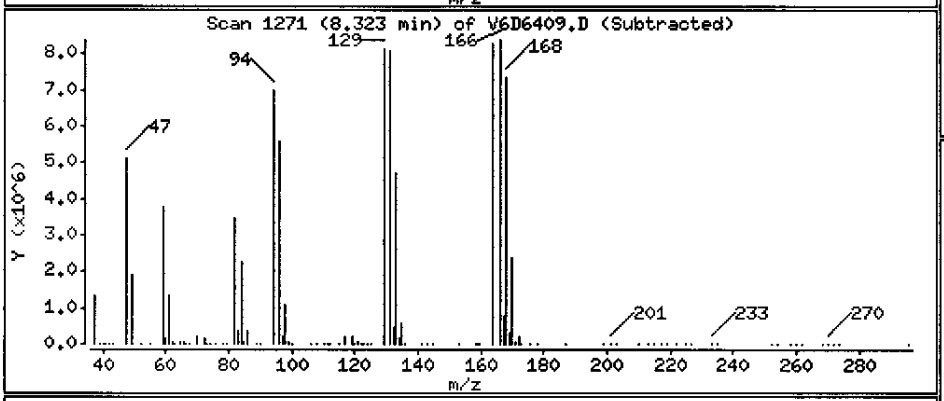
Sample Info: ,D0618-07A,MW-06,18358

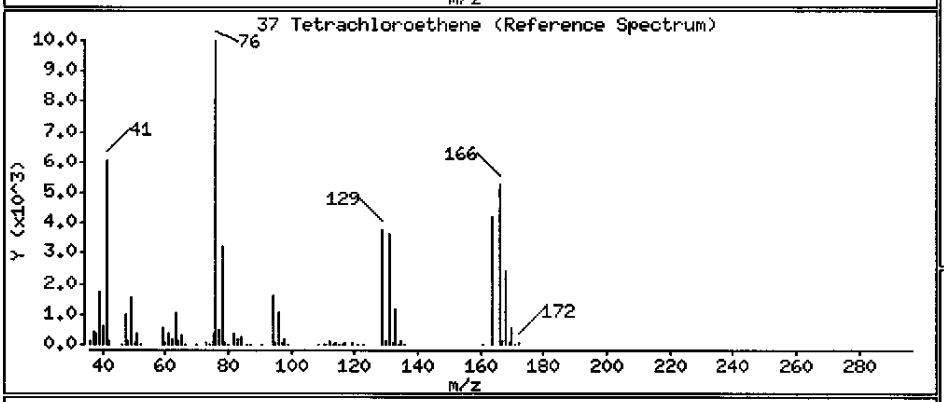
Purge Volume: 5.0 Operator: SB SRC: LIMS

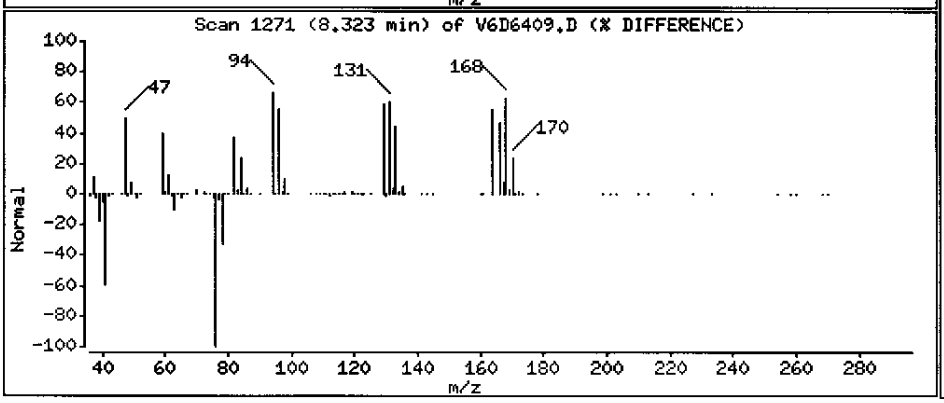
Column phase: DB-624 Column diameter: 0.25

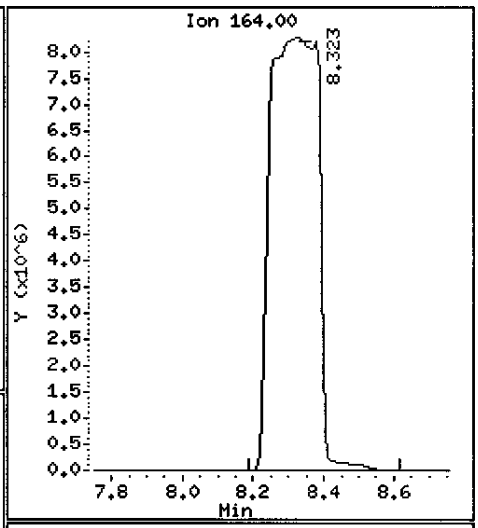
37 Tetrachloroethene Concentration: 7500 ug/L

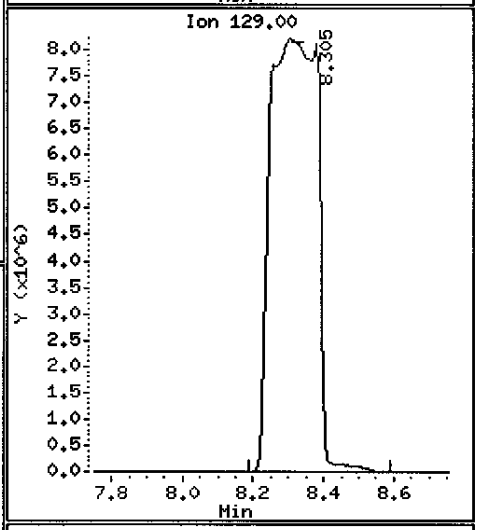


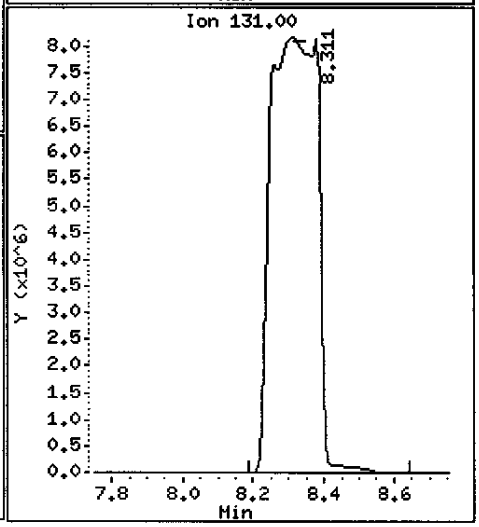












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D

Date : 02-JUN-2005 19:27

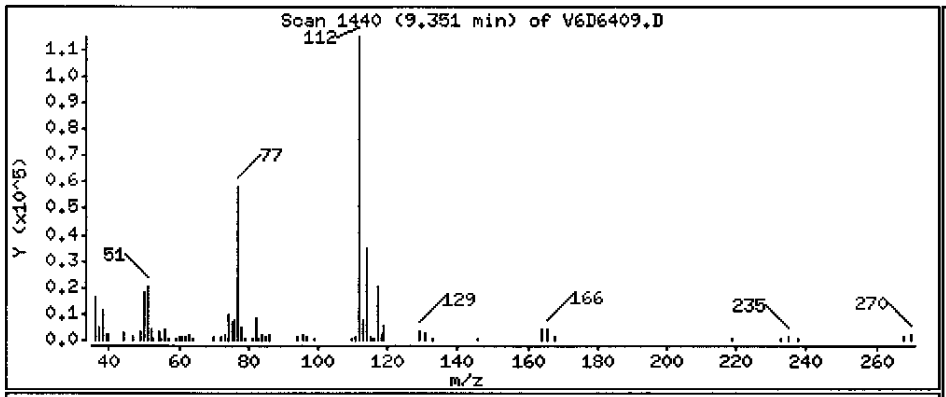
Client ID: PW-3 Instrument: V6.i

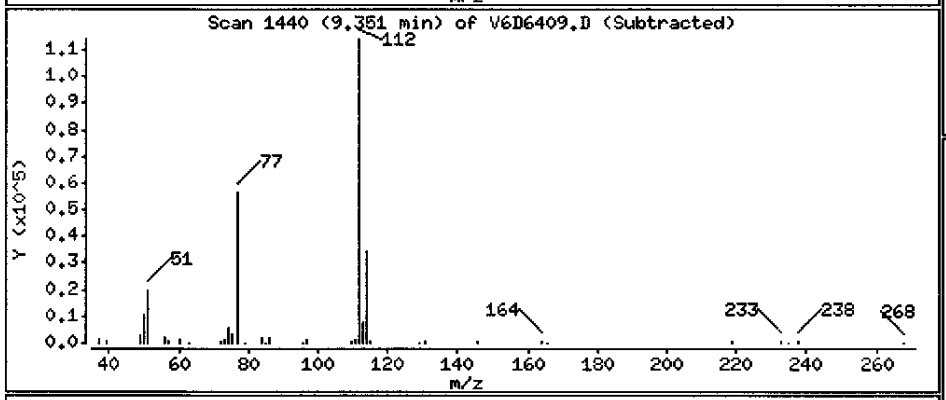
Sample Info: ,D0618-07A,MW-06,18358

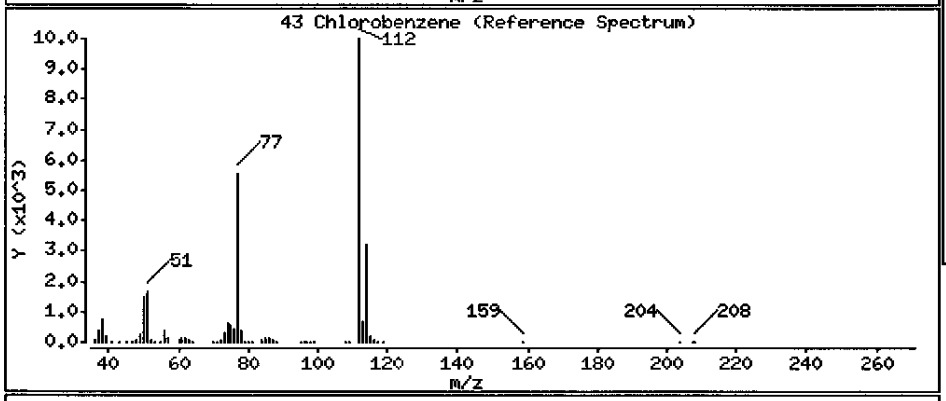
Purge Volume: 5.0 Operator: SB SRC: LIMS

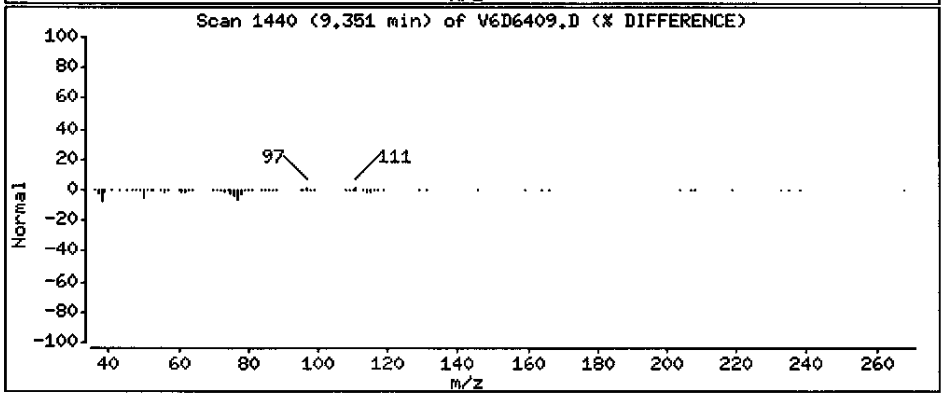
Column phase: DB-624 Column diameter: 0.25

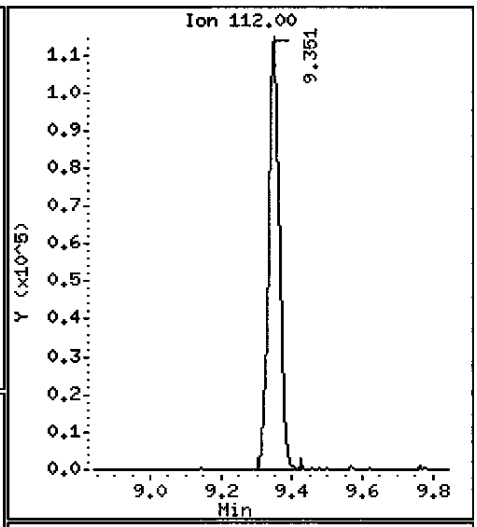
43 Chlorobenzene Concentration: 7 ug/L

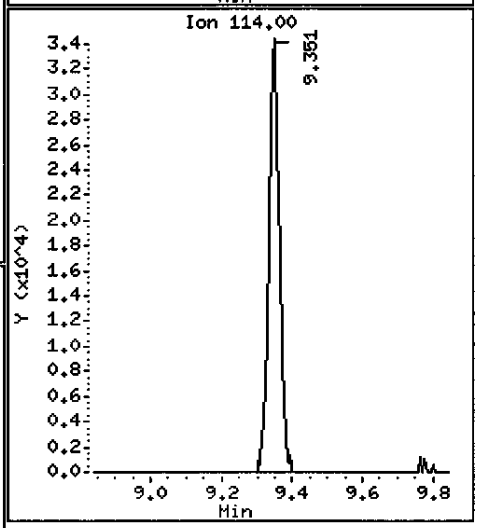












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D

Date : 02-JUN-2005 19:27

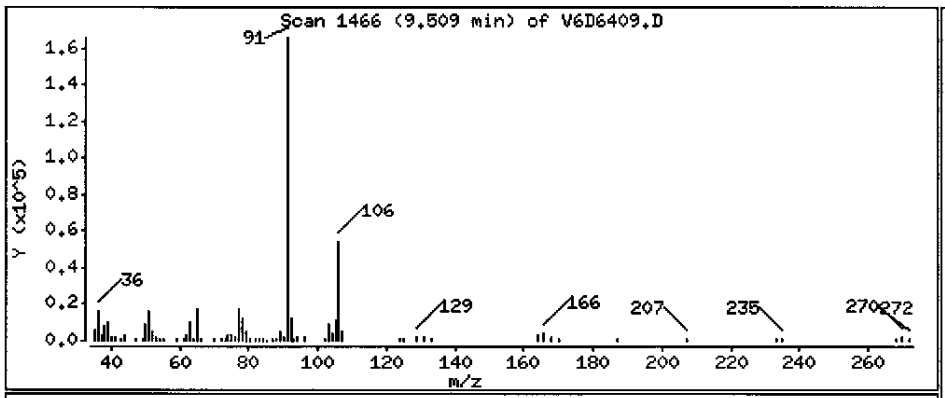
Client ID: PW-3 Instrument: V6.i

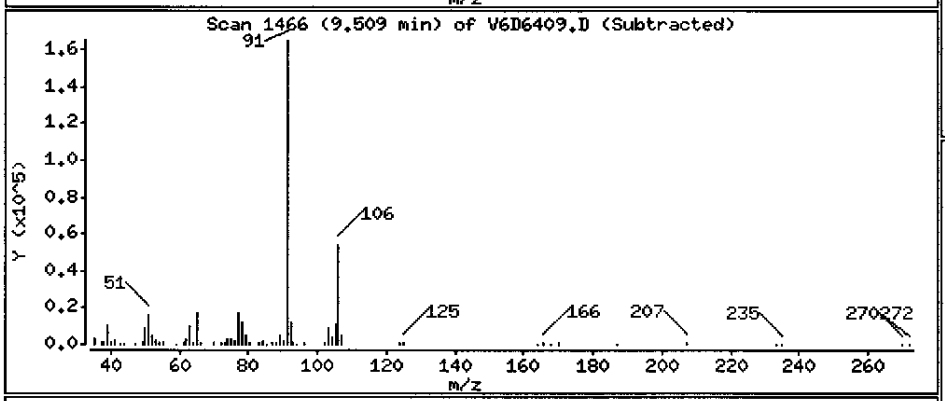
Sample Info: ,D0618-07A,MW-06,18358

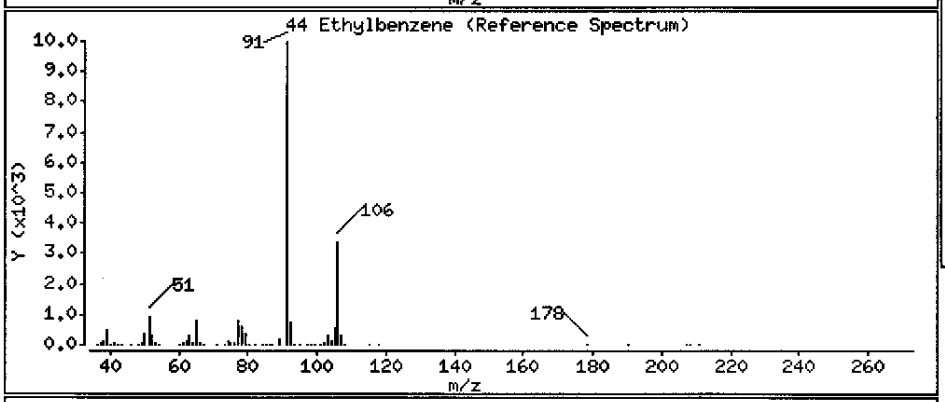
Purge Volume: 5.0 Operator: SB SRC: LIMS

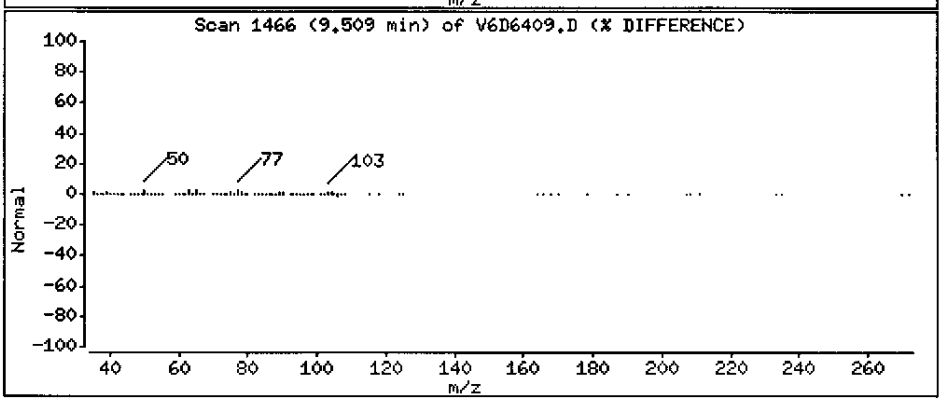
Column phase: DB-624 Column diameter: 0.25

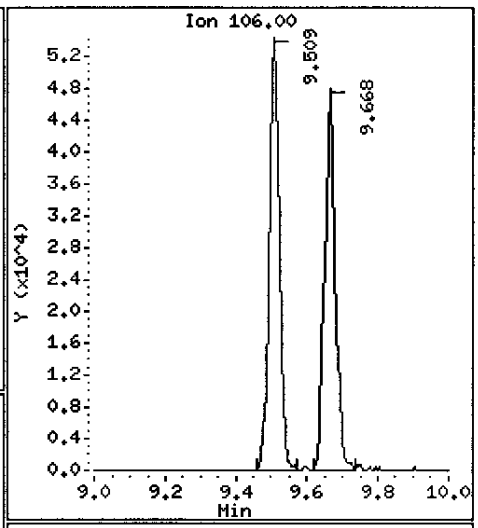
44 Ethylbenzene Concentration: 6 ug/L

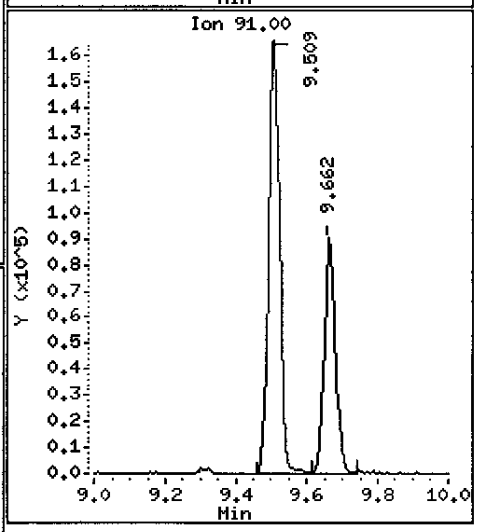












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D

Date : 02-JUN-2005 19:27

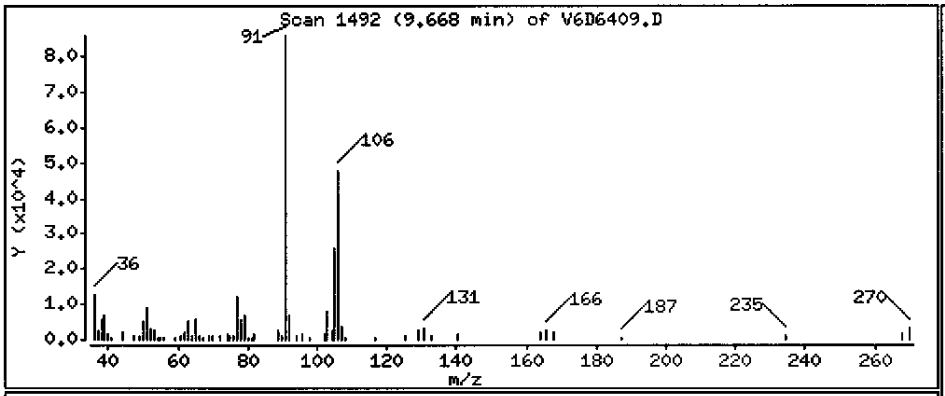
Client ID: PW-3 Instrument: V6.i

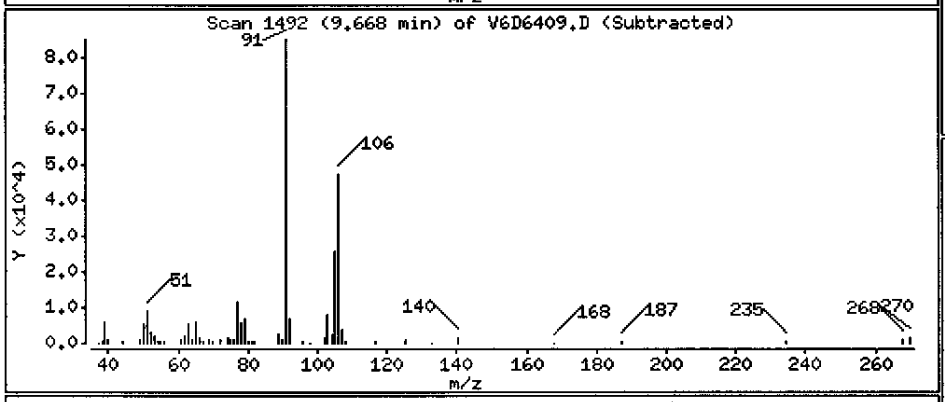
Sample Info: ,D0618-07A,MW-06,18358

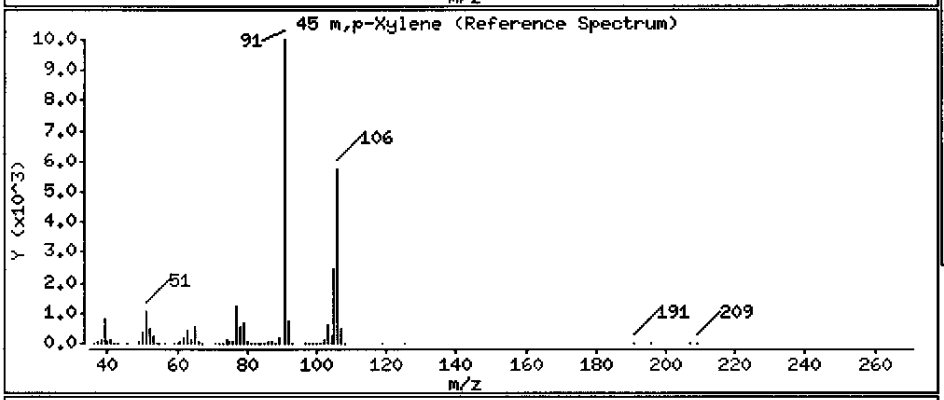
Purge Volume: 5.0 Operator: SB SRC: LIMS

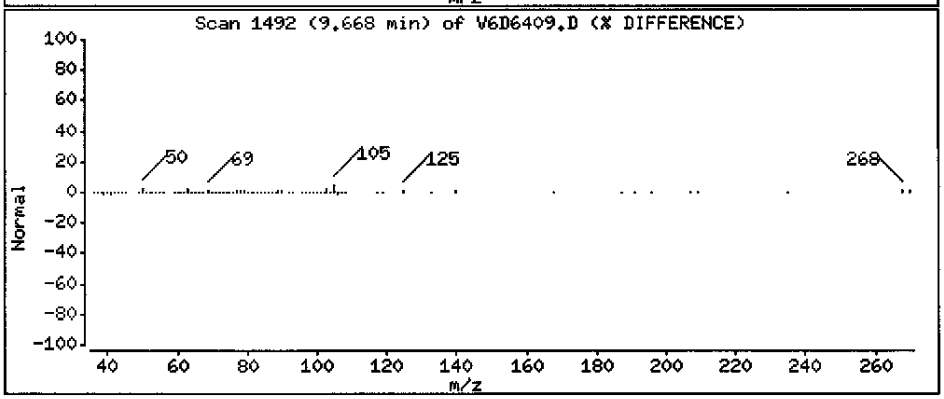
Column phase: DB-624 Column diameter: 0.25

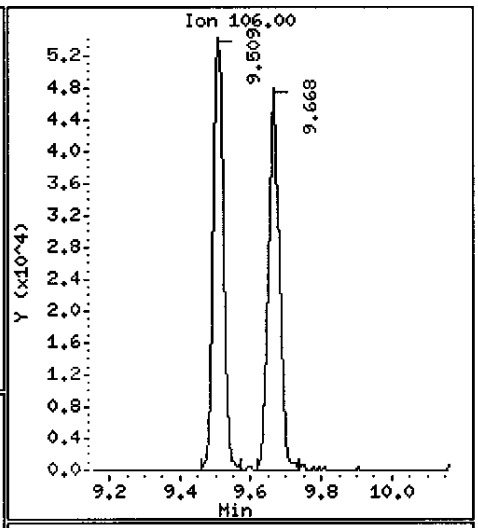
45 m,p-Xylene Concentration: 5 ug/L

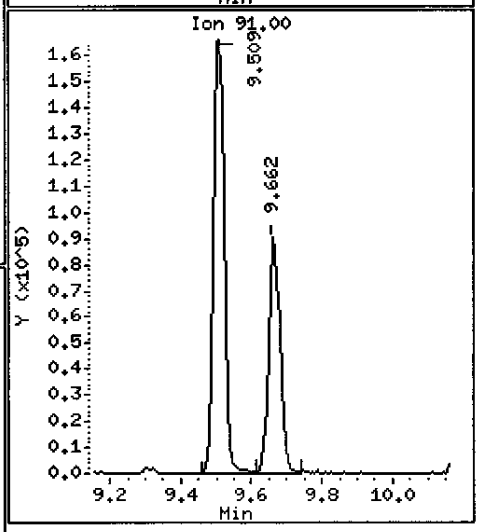












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D

Date : 02-JUN-2005 19:27

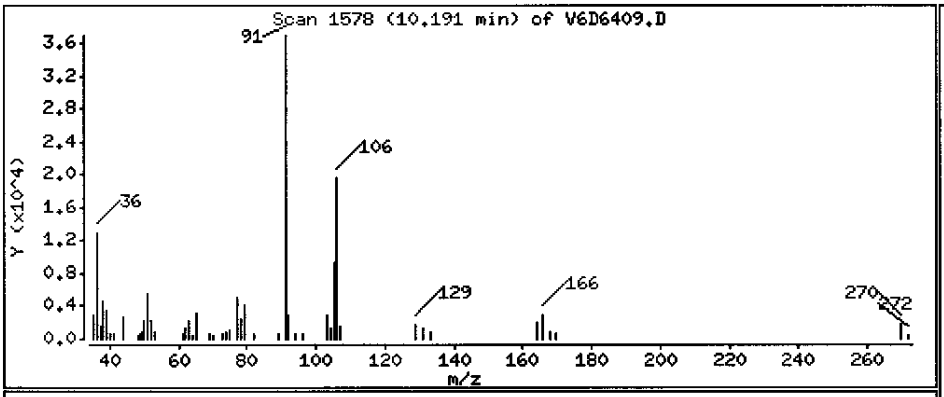
Client ID: PW-3 Instrument: V6.i

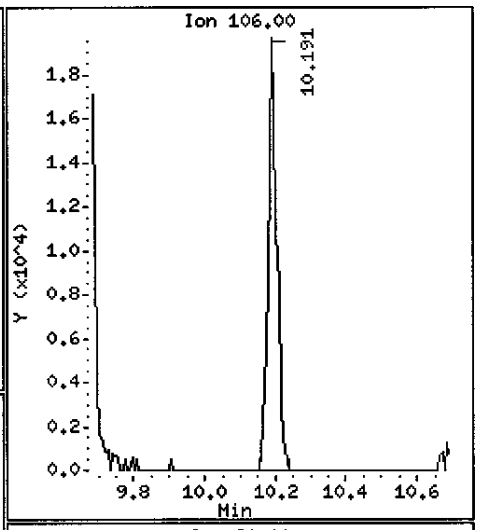
Sample Info: ,D0618-07A,MW-06,18358

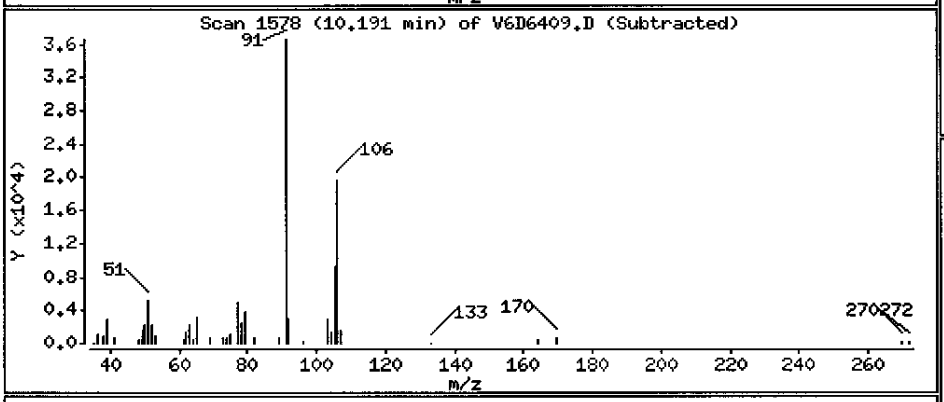
Purge Volume: 5.0 Operator: SB SRC: LIMS

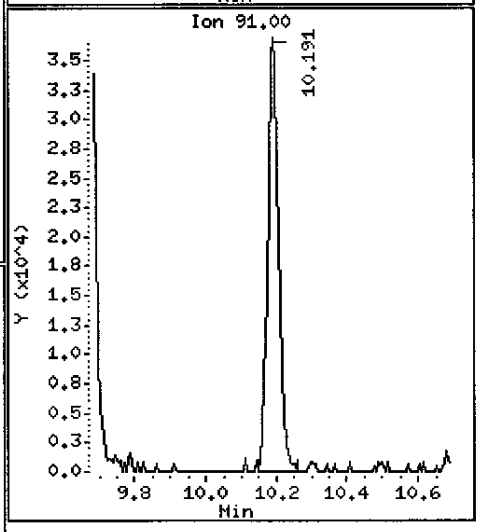
Column phase: DB-624 Column diameter: 0.25

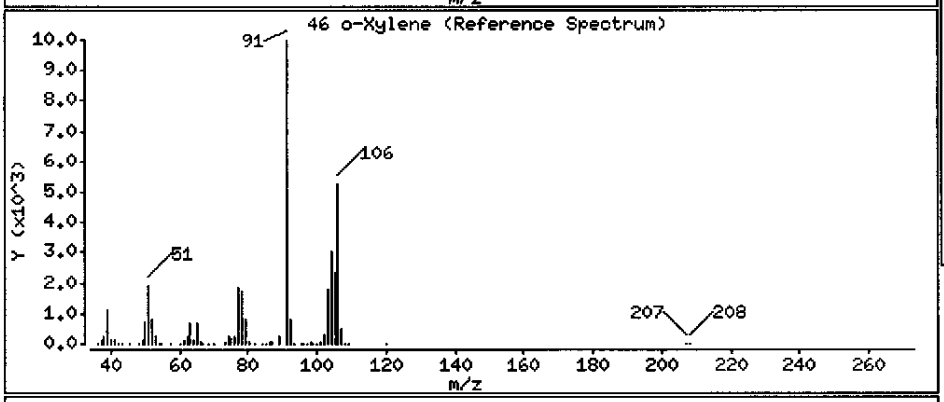
46 o-Xylene Concentration: 2 ug/L

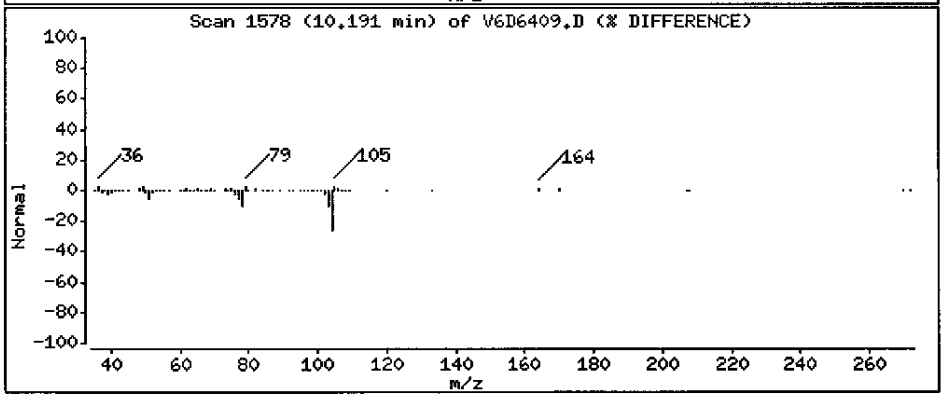












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D

Date : 02-JUN-2005 19:27

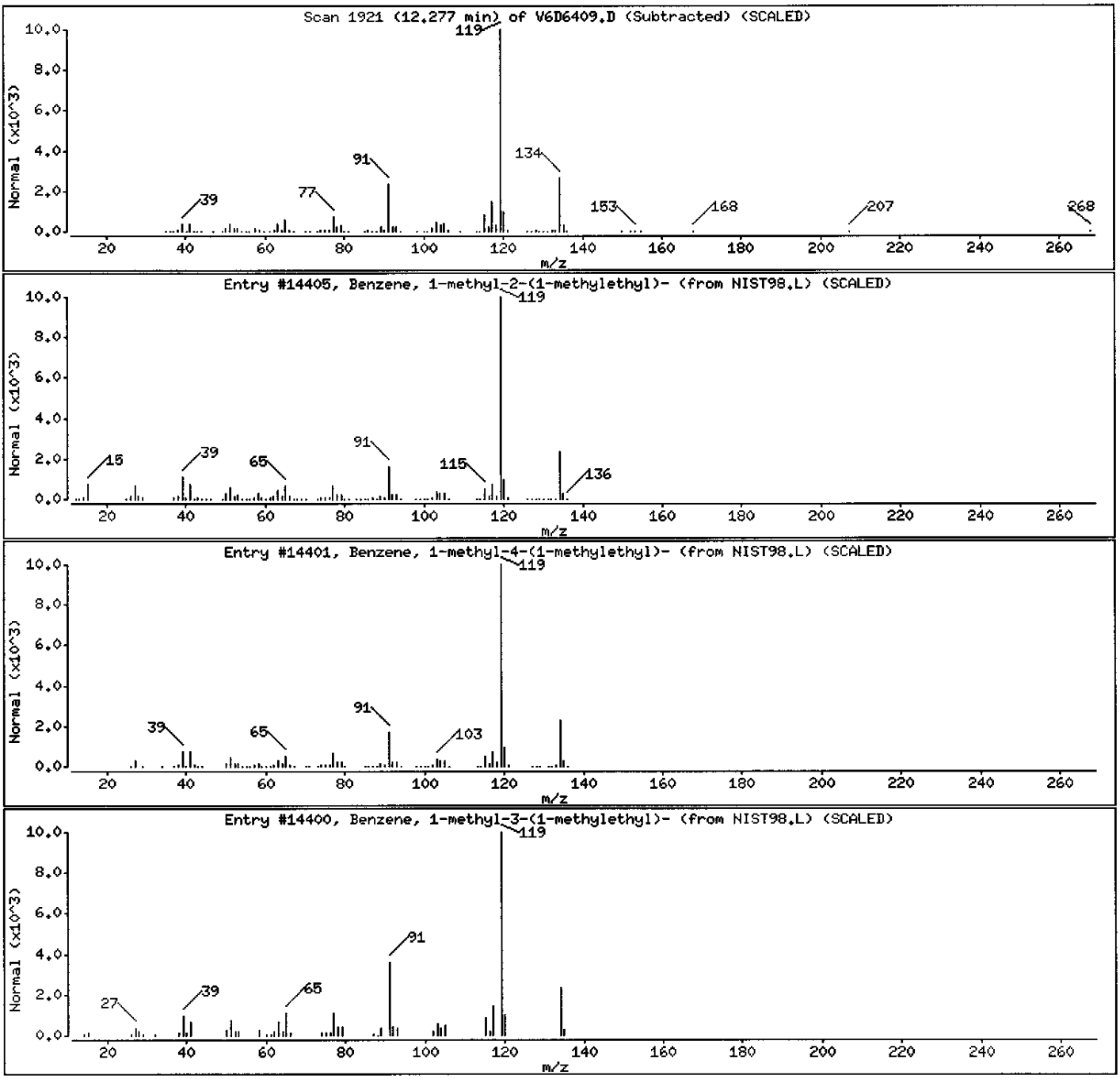
Client ID: PW-3 Instrument: V6.i

Sample Info: ,D0618-07A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST98.L	14405	97	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NIST98.L	14401	97	C10H14	134
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NIST98.L	14400	95	C10H14	134



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Date : 02-JUN-2005 19:27

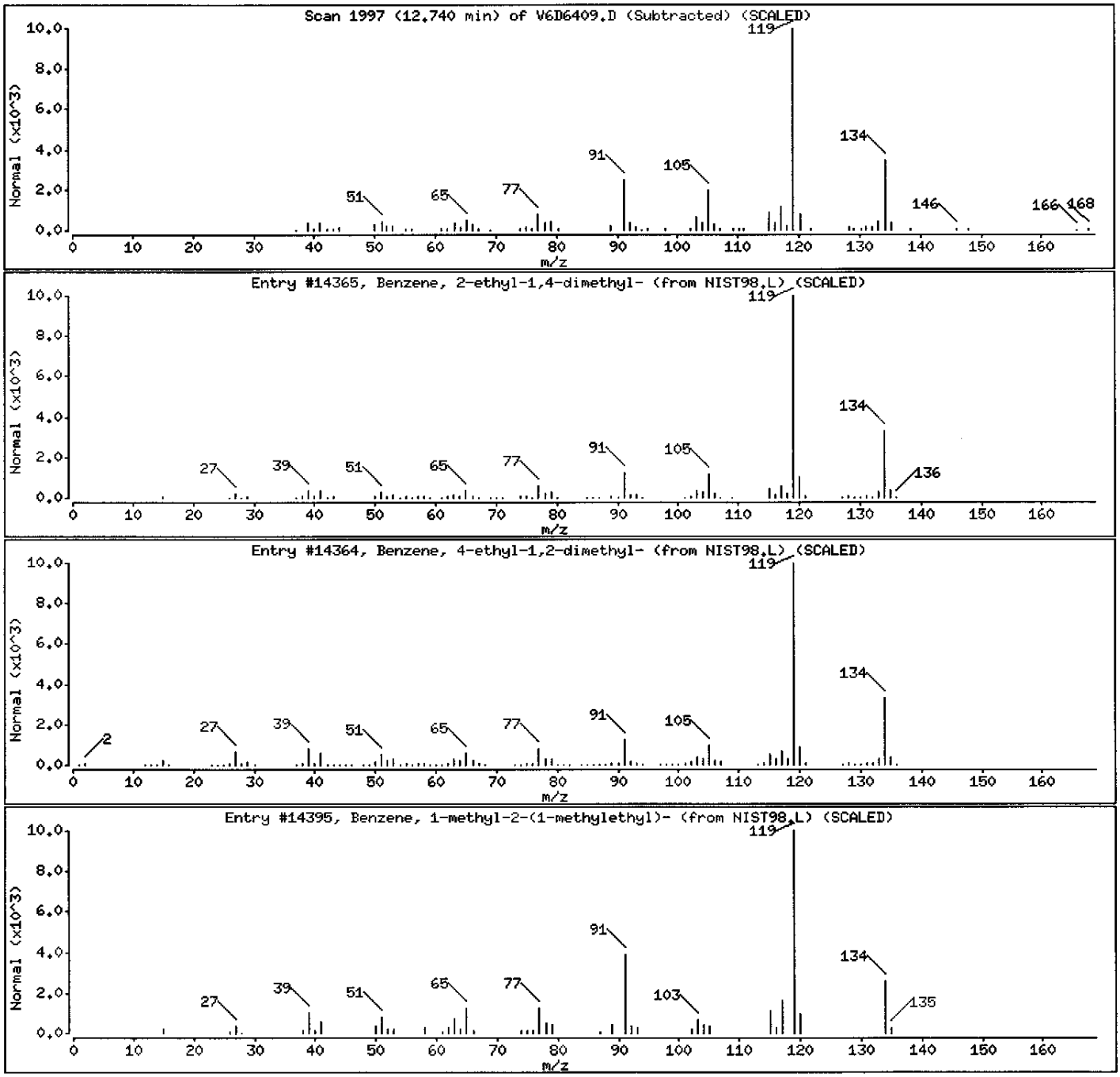
Client ID: PW-3 Instrument: V6.i

Sample Info: ,D0618-07A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	NIST98.L	14365	94	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NIST98.L	14364	93	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST98.L	14395	91	C10H14	134



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Date : 02-JUN-2005 19:27

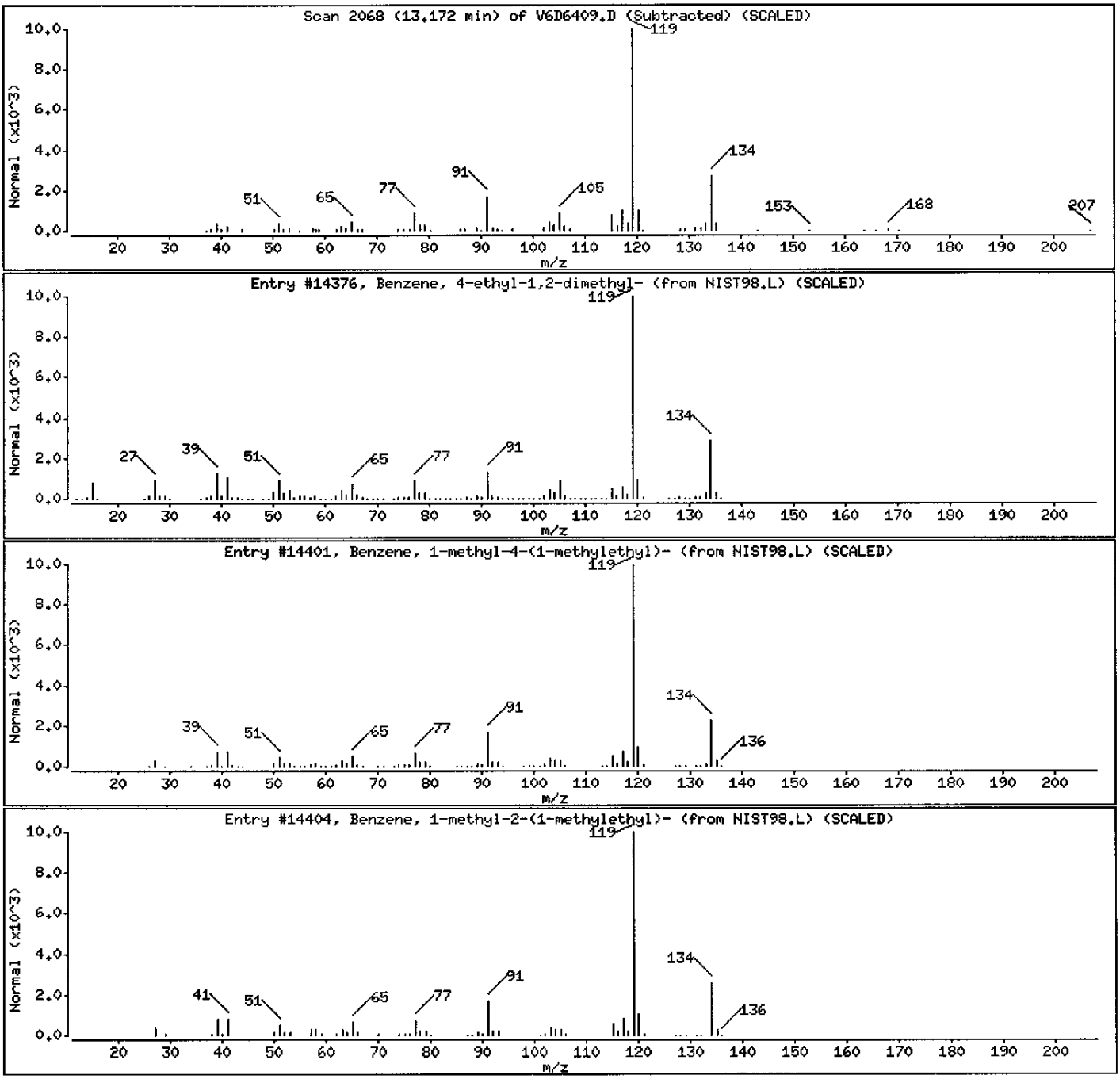
Client ID: PW-3 Instrument: V6.i

Sample Info: ,D0618-07A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NIST98.L	14376	95	C10H14	134
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NIST98.L	14401	95	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST98.L	14404	95	C10H14	134



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6409.D

Date : 02-JUN-2005 19:27

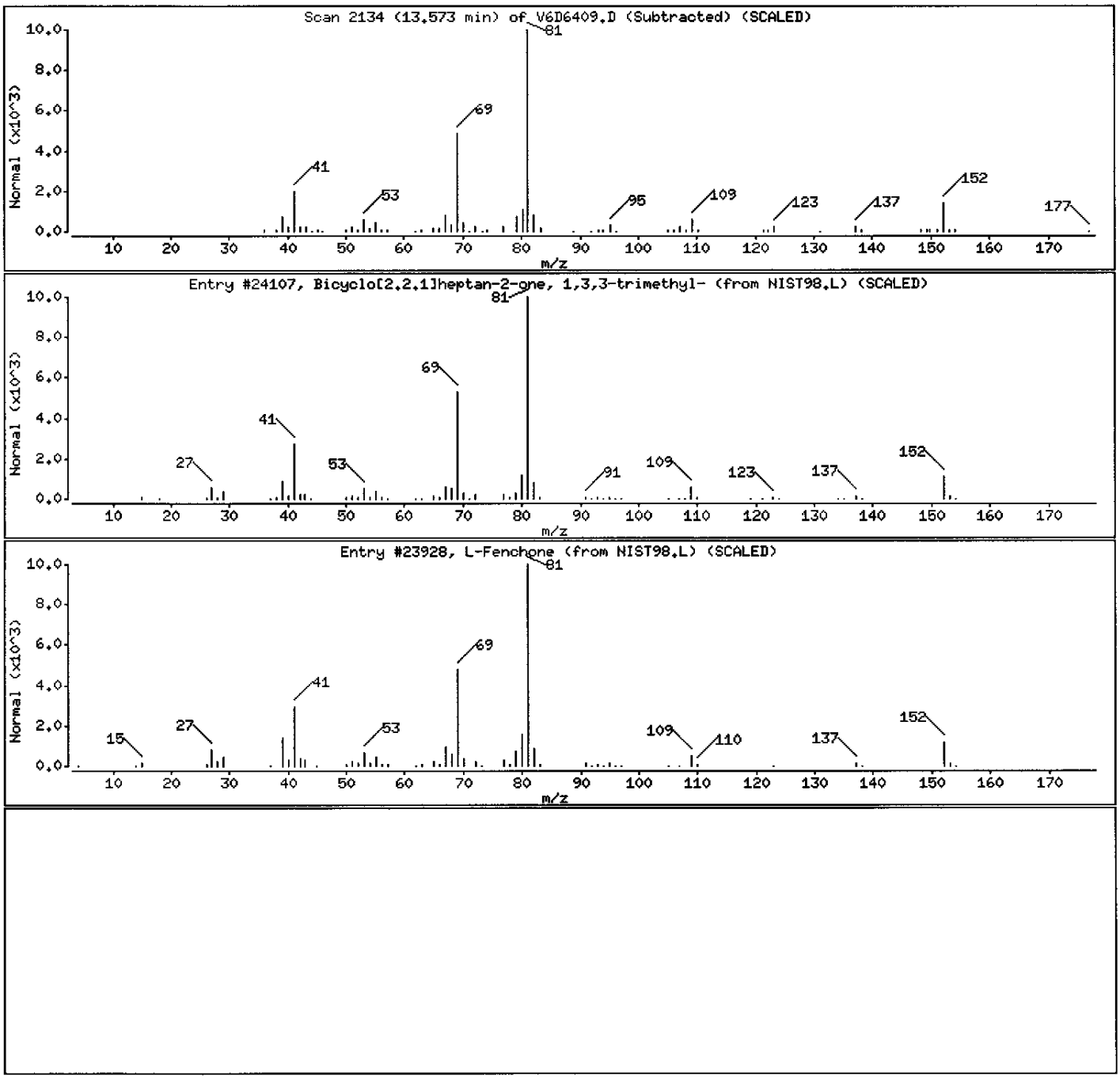
Client ID: PW-3 Instrument: V6.i

Sample Info: ,D0618-07A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimet	4695-62-9	NIST98.L	24107	94	C10H160	152
L-Fenchone	126-21-6	NIST98.L	23928	83	C10H160	152



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Date : 02-JUN-2005 19:27

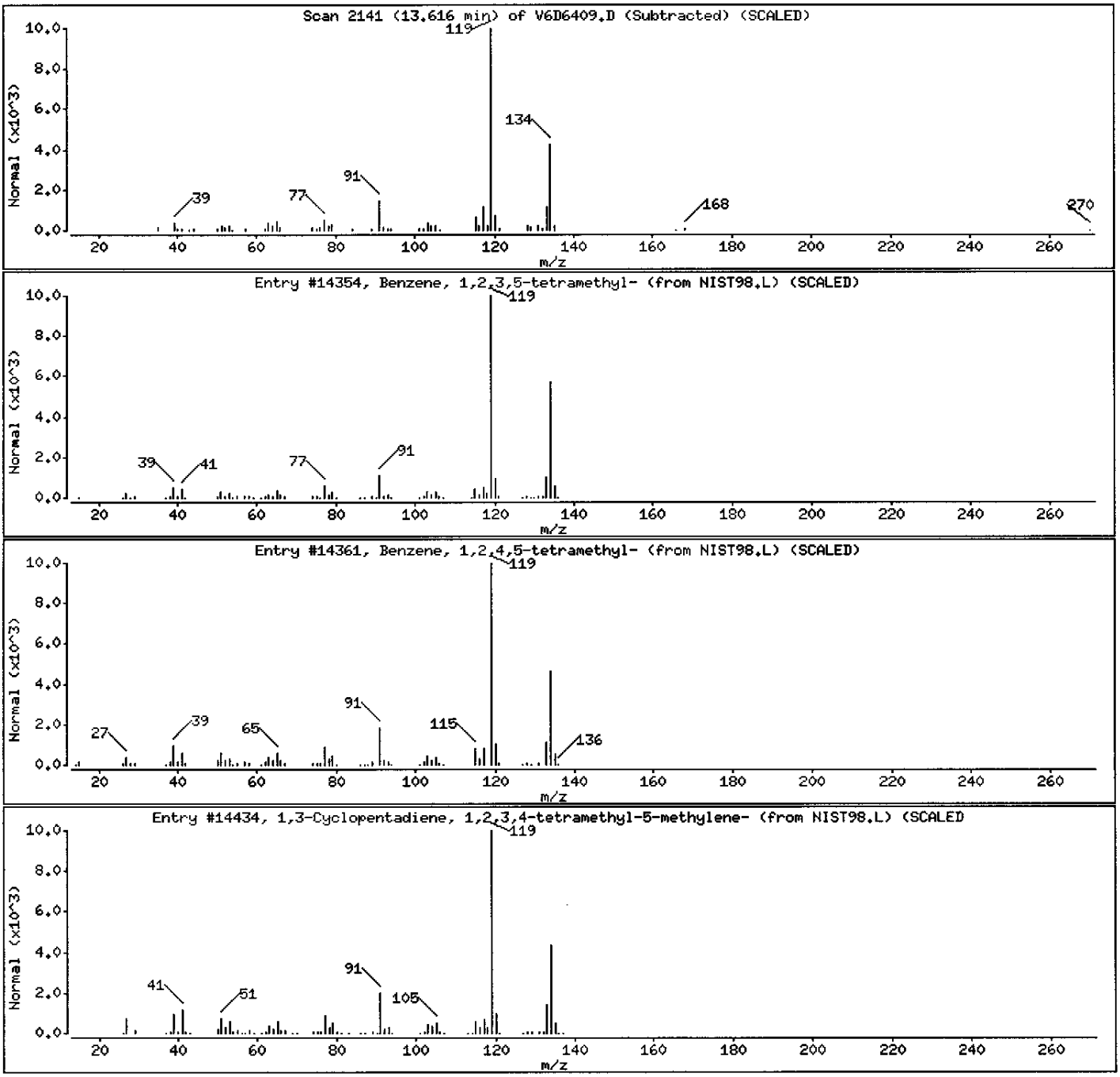
Client ID: PW-3 Instrument: V6.i

Sample Info: ,D0618-07A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3,5-tetramethyl-	527-53-7	NIST98.L	14354	93	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NIST98.L	14361	91	C10H14	134
1,3-Cyclopentadiene, 1,2,3,4-tetramethyl	76089-59-3	NIST98.L	14434	91	C10H14	134



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Date : 02-JUN-2005 19:27

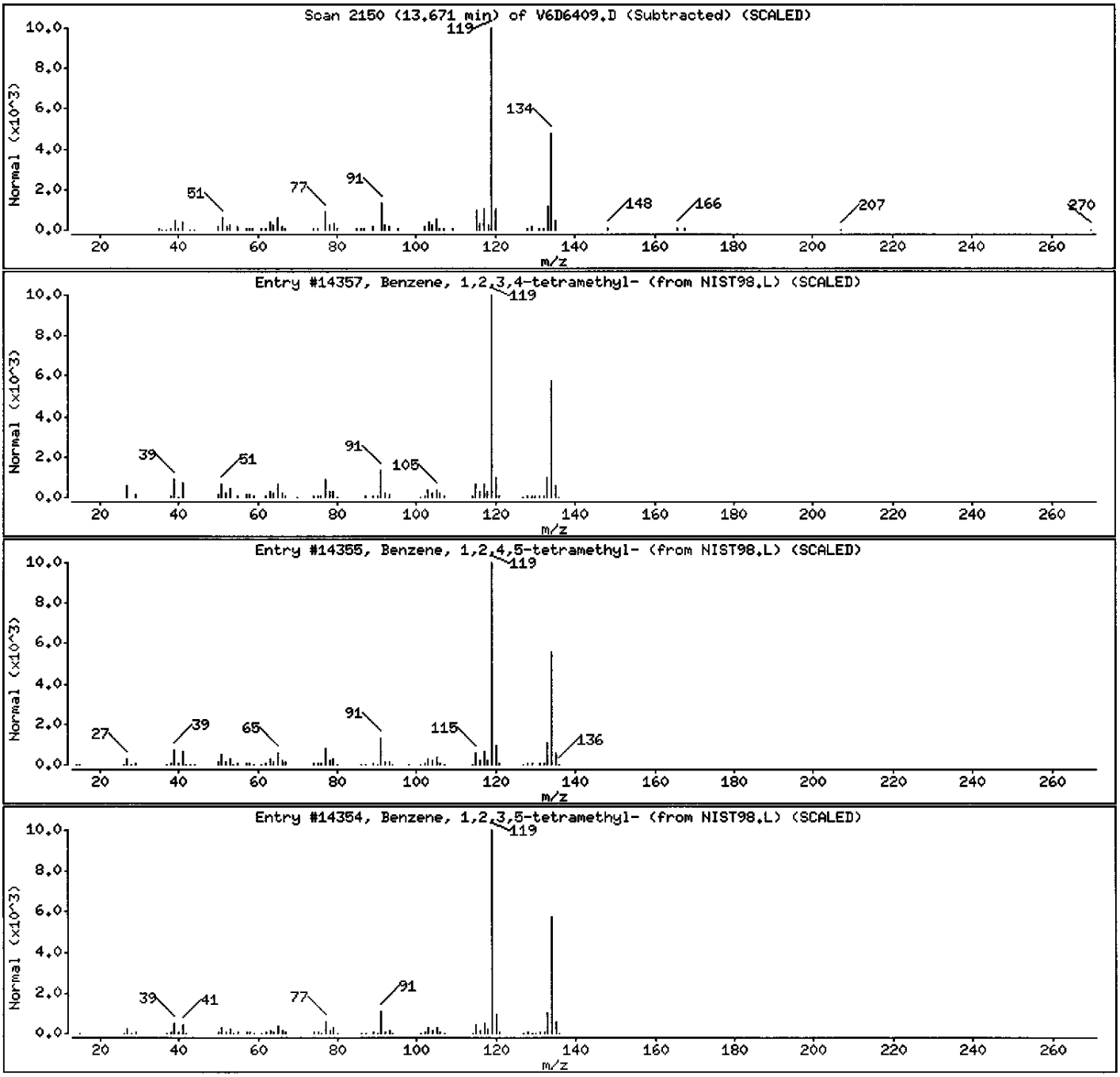
Client ID: PW-3 Instrument: V6.i

Sample Info: ,D0618-07A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NIST98.L	14357	97	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NIST98.L	14355	97	C10H14	134
Benzene, 1,2,3,5-tetramethyl-	527-53-7	NIST98.L	14354	94	C10H14	134



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Date : 02-JUN-2005 19:27

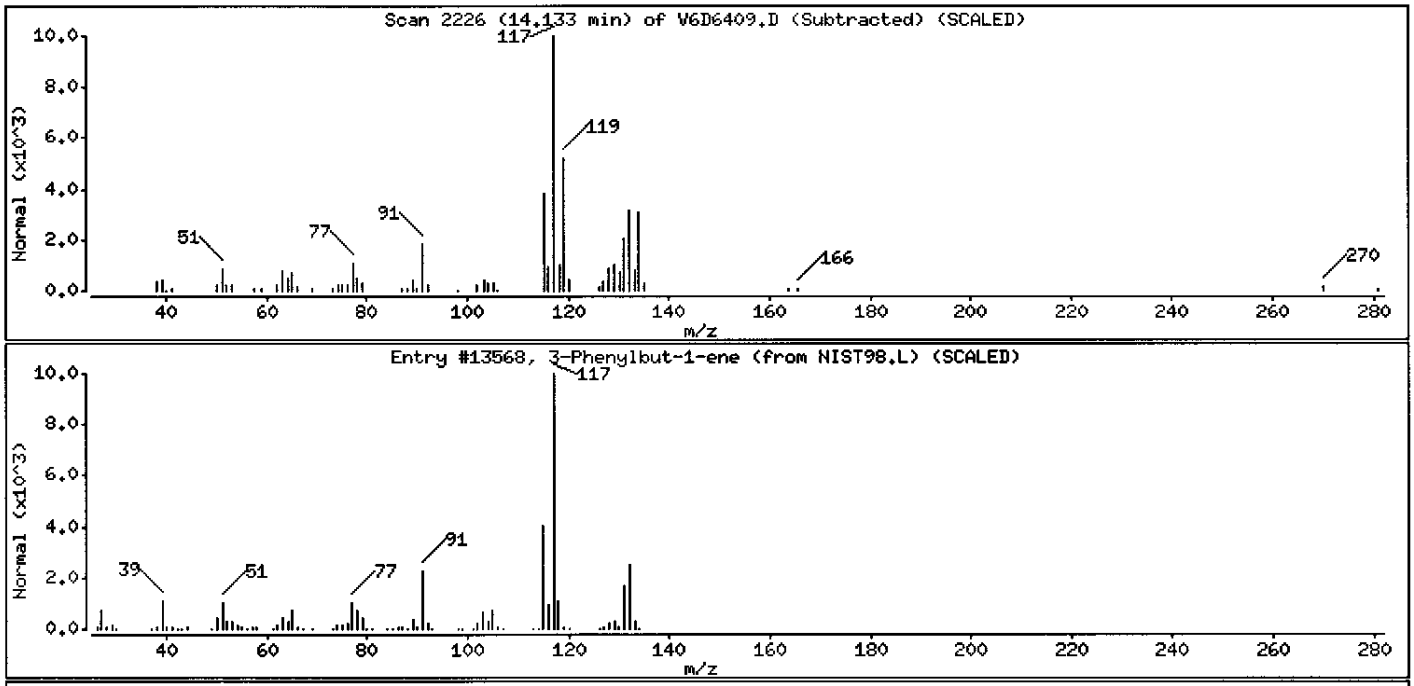
Client ID: PW-3 Instrument: V6.i

Sample Info: ,D0618-07A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Phenylbut-1-ene	934-10-1	NIST98.L	13568	62	C10H12	132



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Date : 02-JUN-2005 19:27

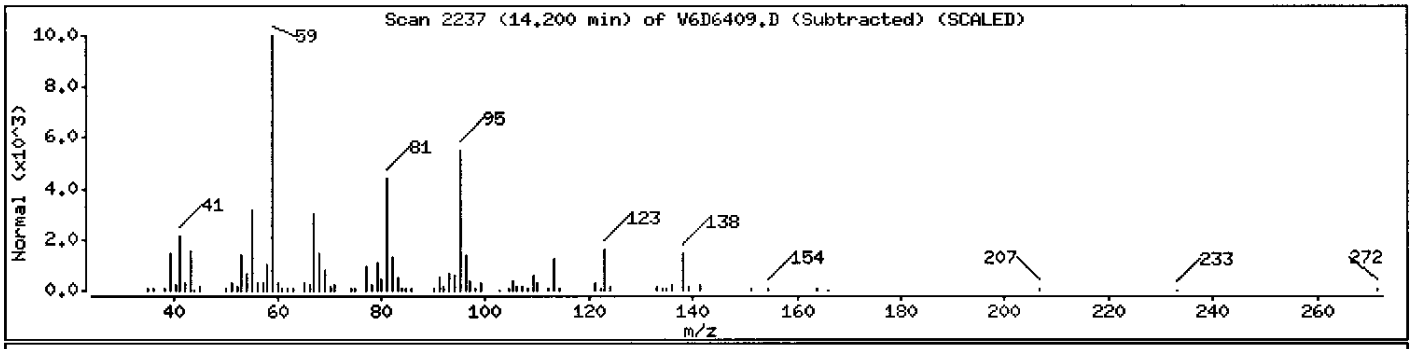
Client ID: PW-3 Instrument: V6.i

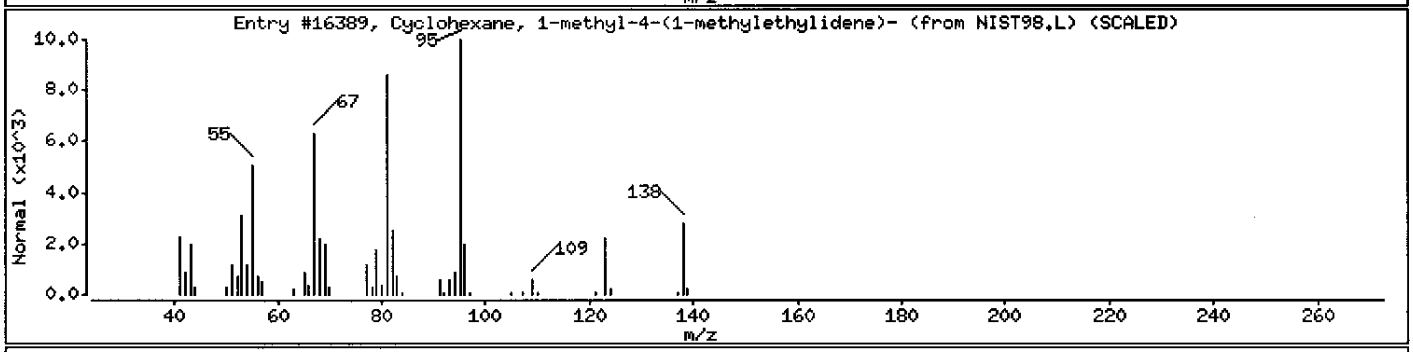
Sample Info: ,D0618-07A,MW-06,18358

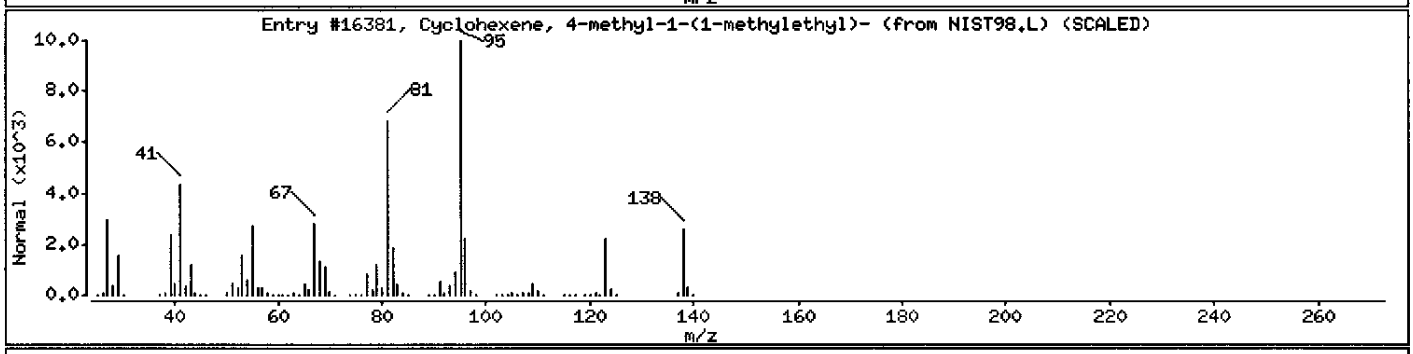
Purge Volume: 5.0 Operator: SB SRC: LIMS

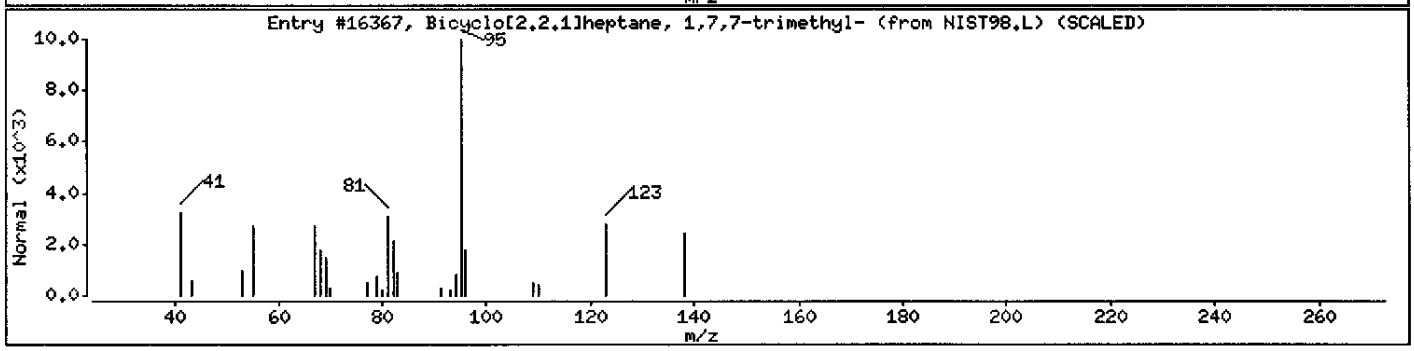
Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclic Alkane						
Cyclohexane, 1-methyl-4-(1-methylethylid	1124-27-2	NIST98.L	16389	90	C10H18	138
Cyclohexene, 4-methyl-1-(1-methylethyl)-	500-00-5	NIST98.L	16381	86	C10H18	138
Bicyclo[2.2.1]heptane, 1,7,7-trimethyl-	464-15-3	NIST98.L	16367	83	C10H18	138









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Date : 02-JUN-2005 19:27

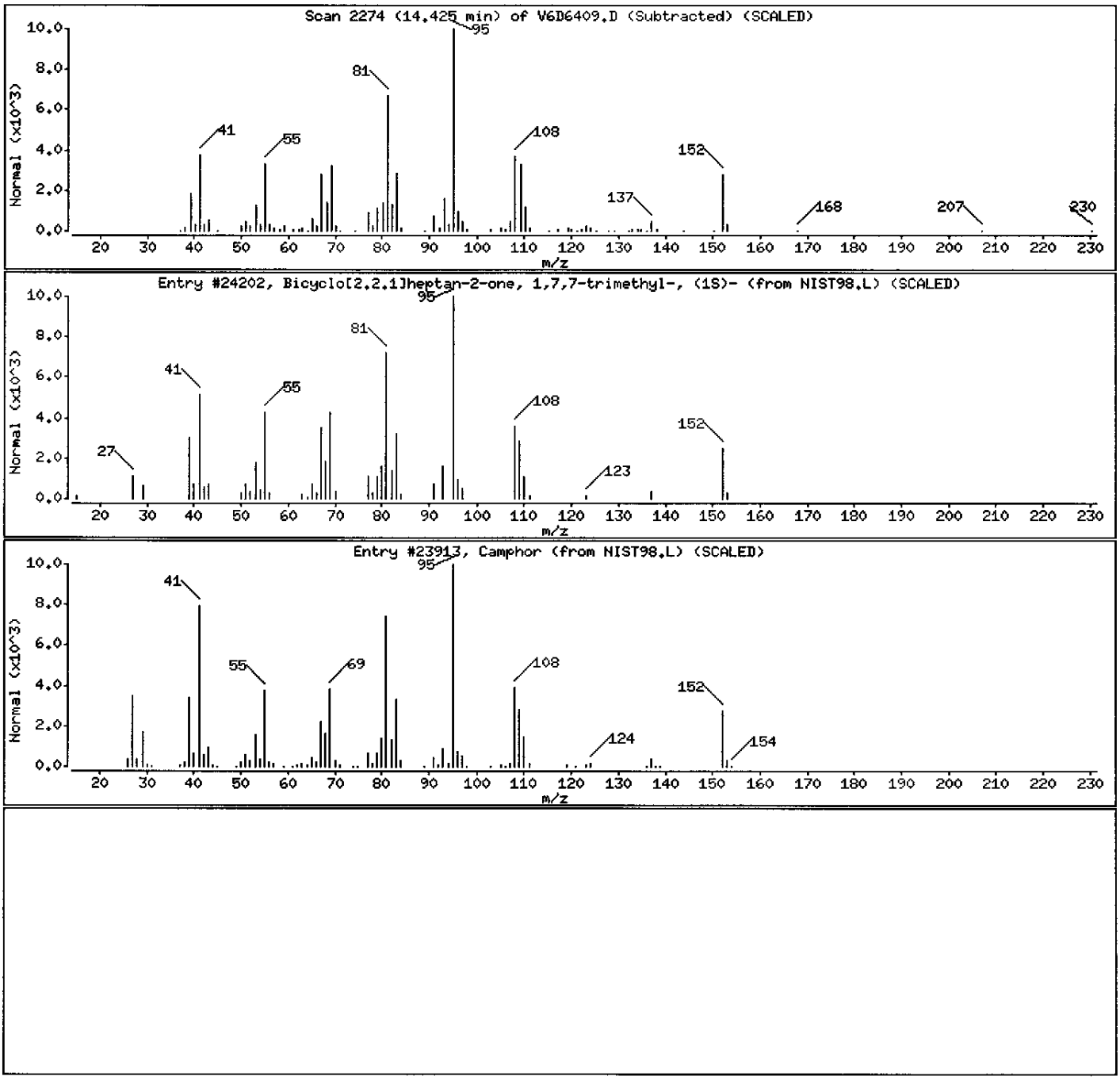
Client ID: PW-3 Instrument: V6.i

Sample Info: ,D0618-07A,MW-06,18358

Purge Volume: 5.0 Operator: SB SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimet	464-48-2	NIST98.L	24202	98	C10H160	152
Camphor	76-22-2	NIST98.L	23913	96	C10H160	152



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PW-3DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6433

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 200.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	2000	U
74-87-3	Chloromethane	2000	U
75-01-4	Vinyl Chloride	12000	D
74-83-9	Bromomethane	2000	U
75-00-3	Chloroethane	2000	U
75-69-4	Trichlorofluoromethane	2000	U
75-35-4	1,1-Dichloroethene	2000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2000	U
67-64-1	Acetone	2000	U
75-15-0	Carbon Disulfide	2000	U
79-20-9	Methyl Acetate	2000	U
75-09-2	Methylene Chloride	2000	U
156-60-5	trans-1,2-Dichloroethene	290	DJ
1634-04-4	Methyl tert-Butyl Ether	2000	U
75-34-3	1,1-Dichloroethane	2000	U
156-59-2	cis-1,2-Dichloroethene	60000	DE
78-93-3	2-Butanone	2000	U
67-66-3	Chloroform	2000	U
71-55-6	1,1,1-Trichloroethane	2000	U
110-82-7	Cyclohexane	2000	U
56-23-5	Carbon Tetrachloride	2000	U
71-43-2	Benzene	2000	U
107-06-2	1,2-Dichloroethane	2000	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PW-3DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6433

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 200.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	8100	D
108-87-2	Methylcyclohexane	2000	U
78-87-5	1,2-Dichloropropane	2000	U
75-27-4	Bromodichloromethane	2000	U
10061-01-5	cis-1,3-Dichloropropene	2000	U
108-10-1	4-Methyl-2-Pentanone	2000	U
108-88-3	Toluene	2000	U
10061-02-6	trans-1,3-Dichloropropene	2000	U
79-00-5	1,1,2-Trichloroethane	2000	U
127-18-4	Tetrachloroethene	90000	DE
591-78-6	2-Hexanone	2000	U
124-48-1	Dibromochloromethane	2000	U
106-93-4	1,2-Dibromoethane	2000	U
108-90-7	Chlorobenzene	2000	U
100-41-4	Ethylbenzene	2000	U
1330-20-7	Xylene (Total)	2000	U
100-42-5	Styrene	2000	U
75-25-2	Bromoform	2000	U
98-82-8	Isopropylbenzene	2000	U
79-34-5	1,1,2,2-Tetrachloroethane	2000	U
541-73-1	1,3-Dichlorobenzene	2000	U
106-46-7	1,4-Dichlorobenzene	2000	U
95-50-1	1,2-Dichlorobenzene	2000	U
96-12-8	1,2-Dibromo-3-chloropropane	2000	U
120-82-1	1,2,4-Trichlorobenzene	2000	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

PW-3DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6433

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 200.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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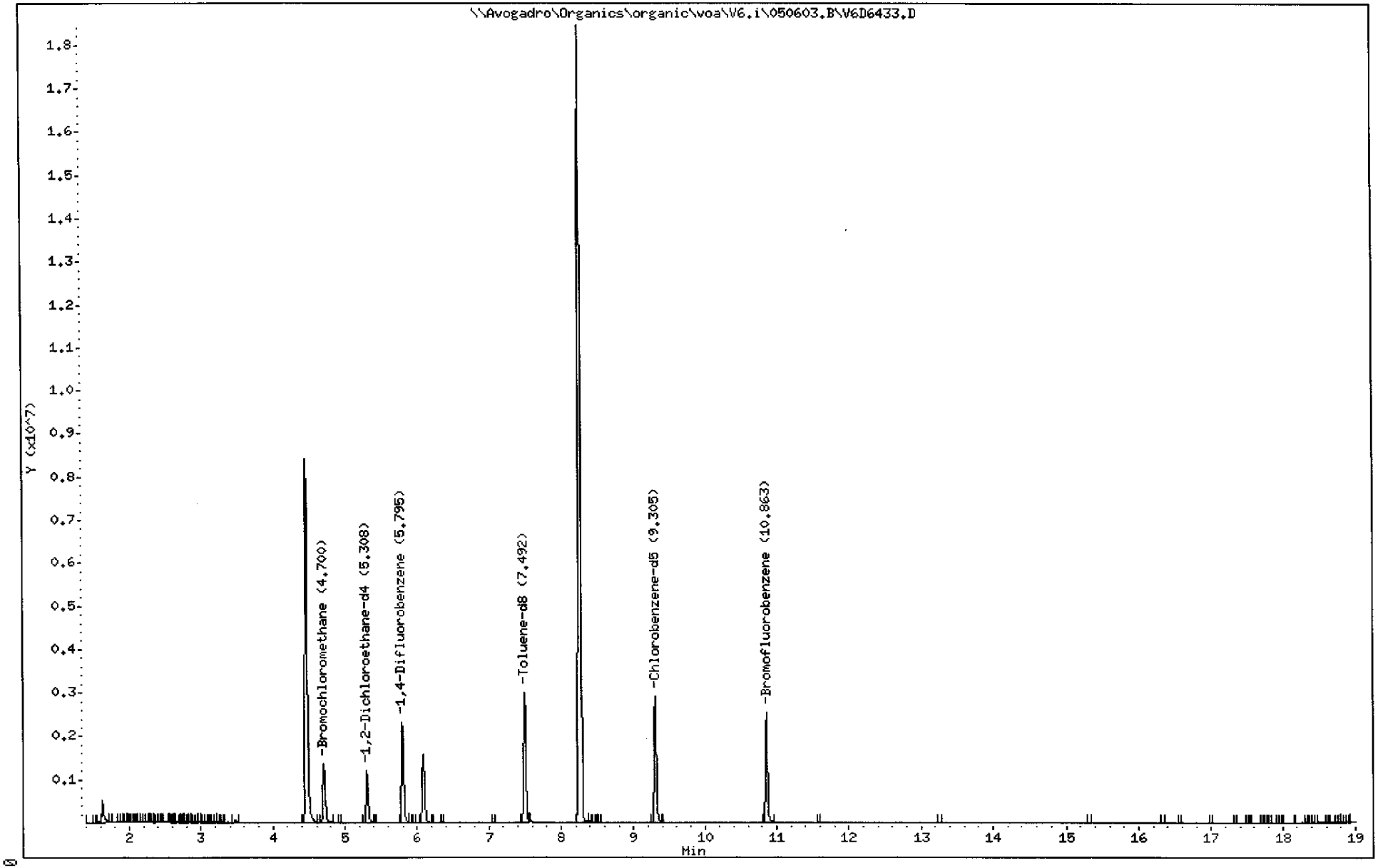
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\Avogadro\Organics\organic\voa\V6.i\050603.B\V6D6433.D
Date : 03-JUN-2005 19:08
Client ID: PW-3DL
Instrument: V6.i
Sample Info: ,D0618-07ADL,18379,200X
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0225

Data File: \\Avogadro\Organics\organic\voa\V6.i\050603.B\V6D6433.D
Report Date: 24-Jun-2005 18:01

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V6.i\050603.B\V6D6433.D
Lab Smp Id: D0618-07ADL Client Smp ID: PW-3DL
Inj Date : 03-JUN-2005 19:08
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-07ADL,18379,200X
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\v6clp4s.m
Meth Date : 06-Jun-2005 09:32 mtl Quant Type: ISTD
Cal Date : 03-JUN-2005 11:51 Cal File: V6D6421.D
Als bottle: 13
Dil Factor: 200.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.12
Processing Host: TARGET10

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	200.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Va	10.000	LCS Aliquot Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	3 Vinyl Chloride	62	1.627	1.626	(0.346)	688391	60.0286	12000
	13 trans-1,2-Dichloroethene	96	3.471	3.470	(0.739)	19016	1.44835	290(a)
	17 cis-1,2-Dichloroethene	96	4.462	4.461	(0.950)	3811213	302.083	60000(A)
*	18 Bromochloromethane	128	4.699	4.699	(1.000)	438570	50.0000	
$	23 1,2-Dichloroethane-d4	65	5.308	5.301	(1.129)	1091327	43.6565	44
*	26 1,4-Difluorobenzene	114	5.801	5.794	(1.000)	1977925	50.0000	
	27 Trichloroethene	130	6.086	6.086	(1.049)	592725	40.5731	8100
$	33 Toluene-d8	98	7.492	7.491	(0.805)	2306032	44.8350	45
	37 Tetrachloroethene	164	8.258	8.251	(0.888)	5319247	451.403	90000(A)
*	42 Chlorobenzene-d5	117	9.305	9.304	(1.000)	1893653	50.0000	
$	50 Bromofluorobenzene	95	10.862	10.861	(1.167)	938651	43.8438	44

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.

KL 6/27/05

Data File: \\Avogadro\Organics\organic\voa\V6.i\050603.B\V6D6433.D
Report Date: 24-Jun-2005 18:01

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V6.i\050603.B\V6D6433.D
Lab Smp Id: D0618-07ADL Client Smp ID: PW-3DL
Inj Date : 03-JUN-2005 19:08
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-07ADL,18379,200X
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\v6clp4s.m
Meth Date : 06-Jun-2005 09:32 mtl Quant Type: ISTD
Cal Date : 03-JUN-2005 11:51 Cal File: V6D6421.D
Als bottle: 13
Dil Factor: 200.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.12
Processing Host: TARGET10

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V6.i\050603.B\V6D6433.D

Date : 03-JUN-2005 19:08

Client ID: PW-3DL

Instrument: V6.i

Sample Info: ,D0618-07ADL,18379,200X

Purge Volume: 5.0

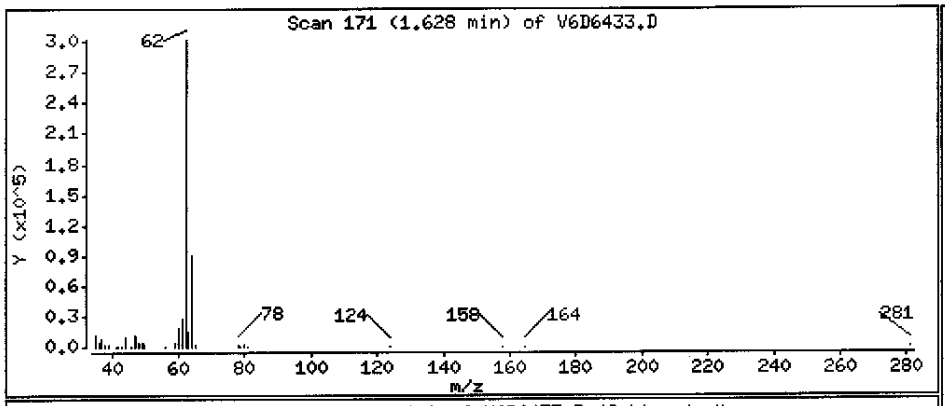
Operator: SB SRC: SB

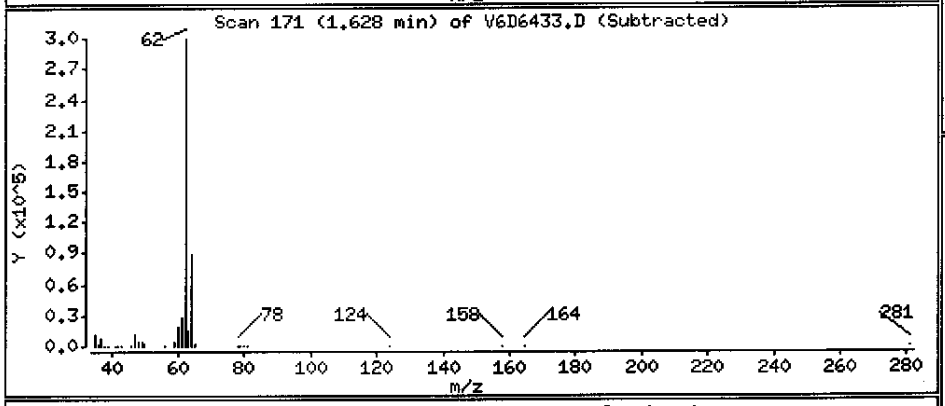
Column phase: DB-624

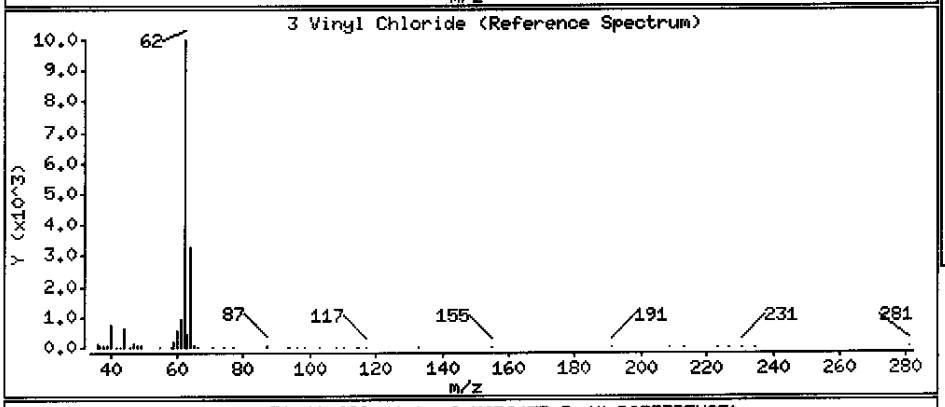
Column diameter: 0.25

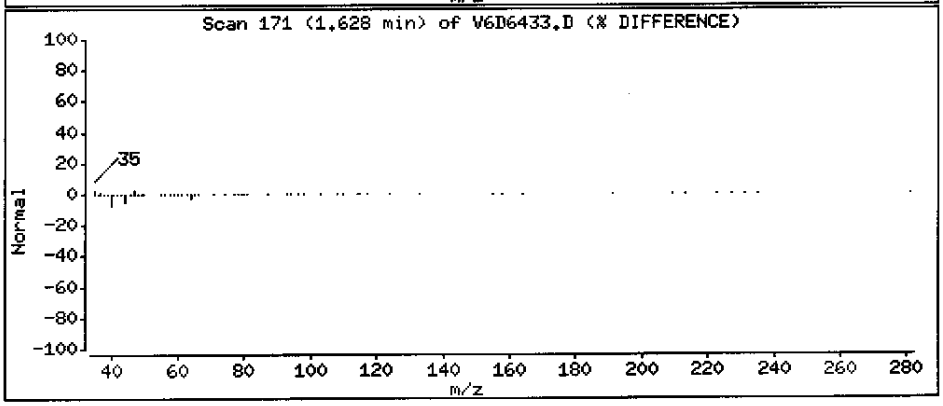
3 Vinyl Chloride

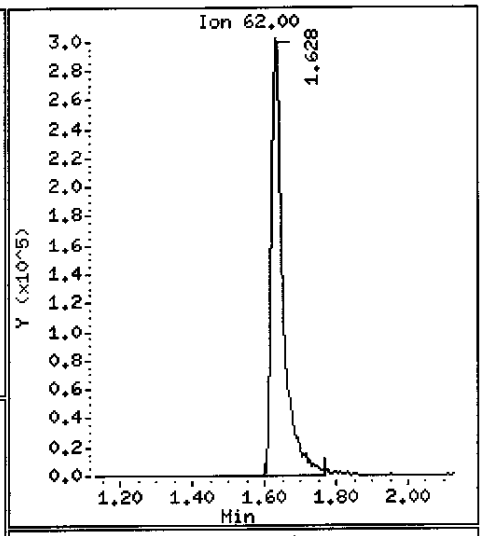
Concentration: 12000 ug/L

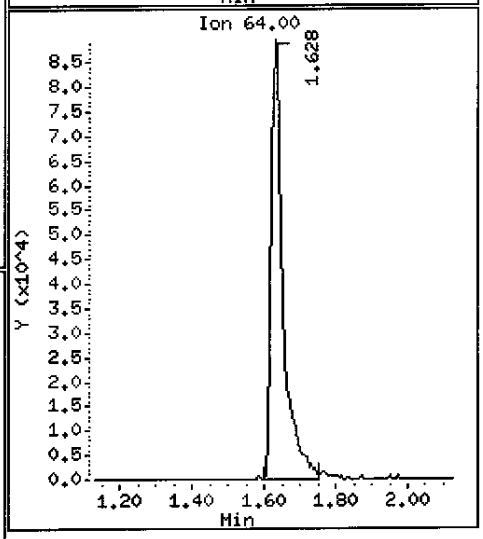












Data File: \\Avogadro\Organics\organic\voa\V6.i\050603.B\V6D6433.D

Date : 03-JUN-2005 19:08

Client ID: PW-3DL

Instrument: V6.i

Sample Info: ,D0618-07ADL,18379,200X

Purge Volume: 5.0

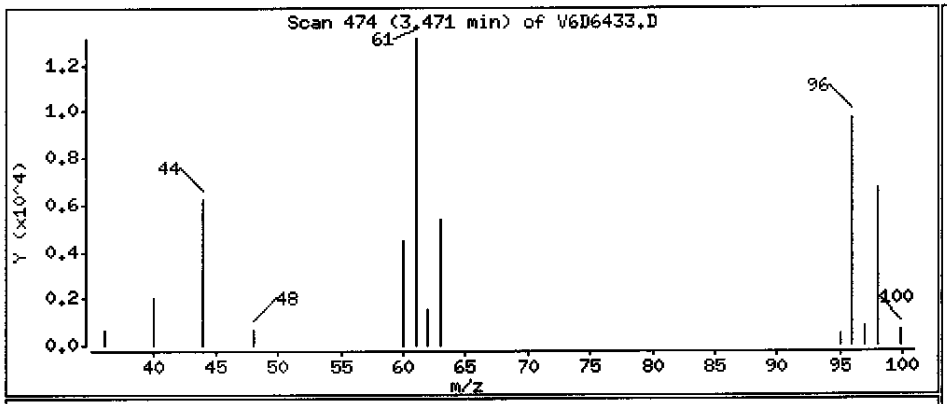
Operator: SB SRC: SB

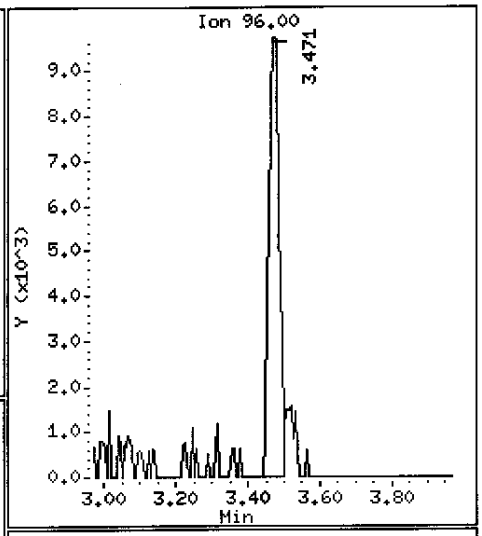
Column phase: DB-624

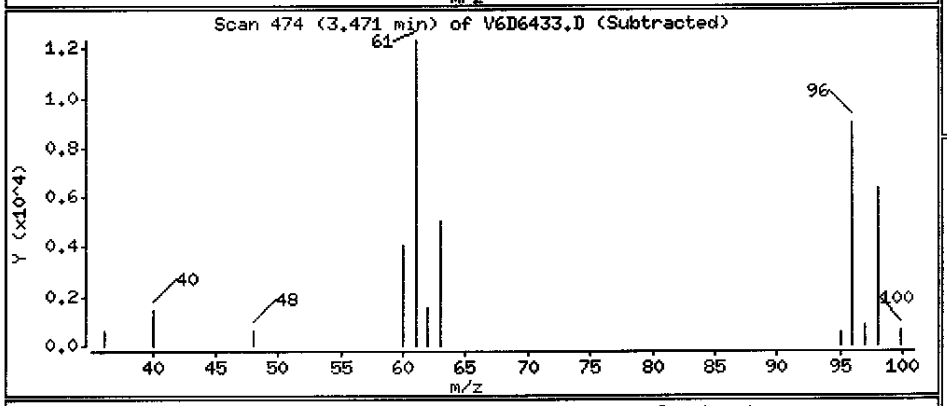
Column diameter: 0.25

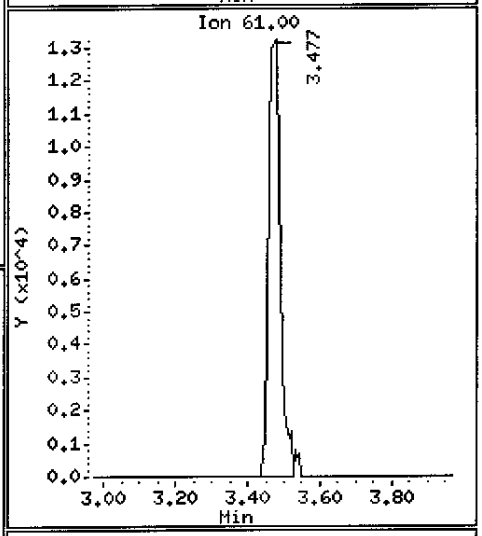
13 trans-1,2-Dichloroethene

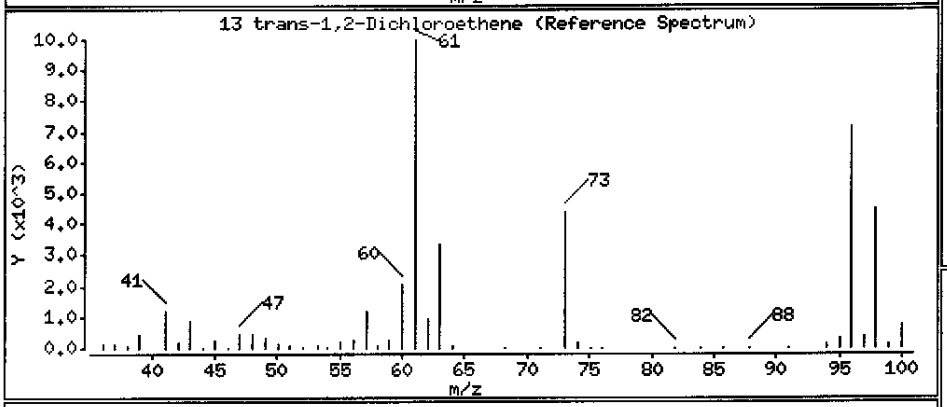
Concentration: 290 ug/L

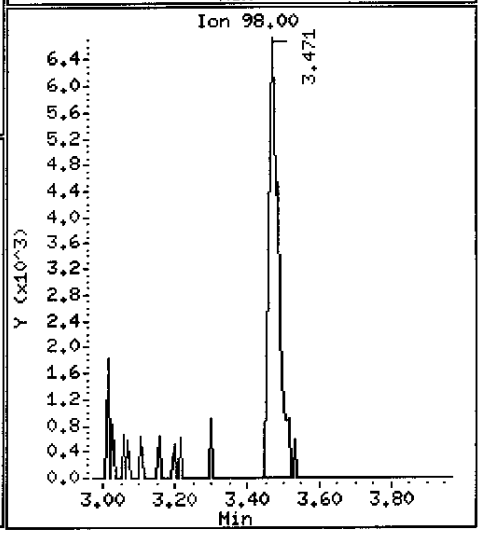


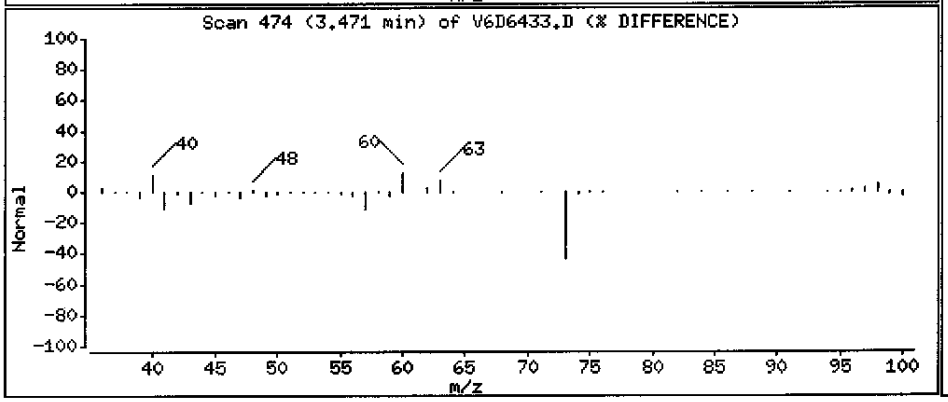












Data File: \\Avogadro\Organics\organic\voa\V6.i\050603.B\V6D6433.D

Date : 03-JUN-2005 19:08

Client ID: PW-3DL

Instrument: V6.i

Sample Info: ,D0618-07ADL,18379,200X

Purge Volume: 5.0

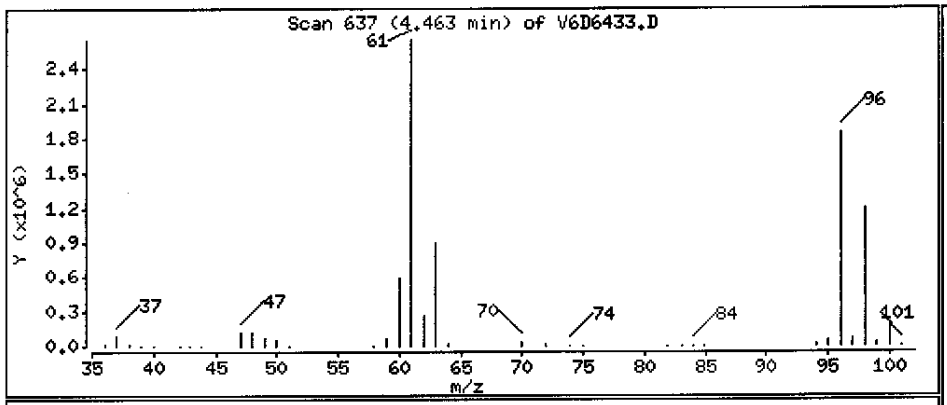
Operator: SB SRC: SB

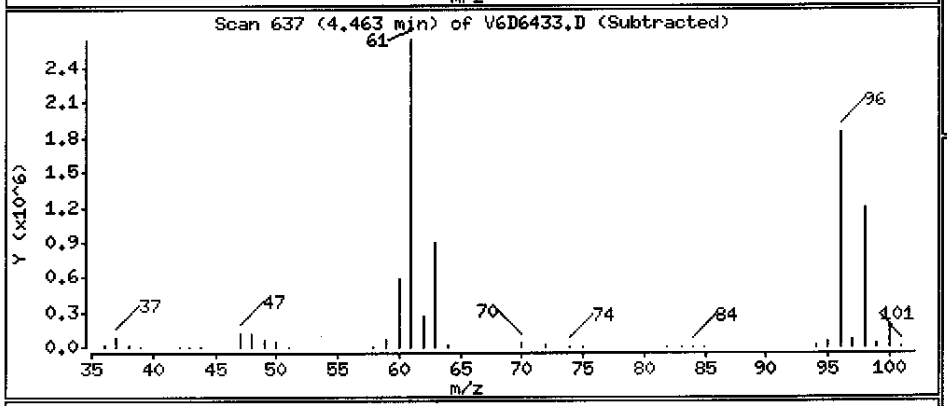
Column phase: DB-624

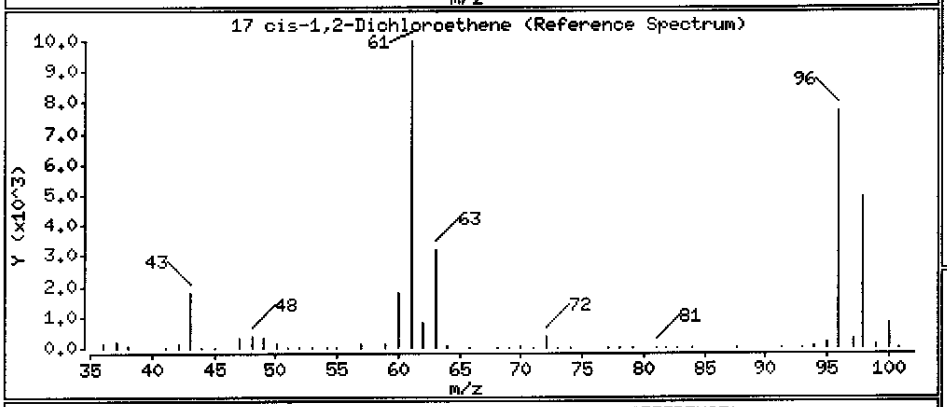
Column diameter: 0.25

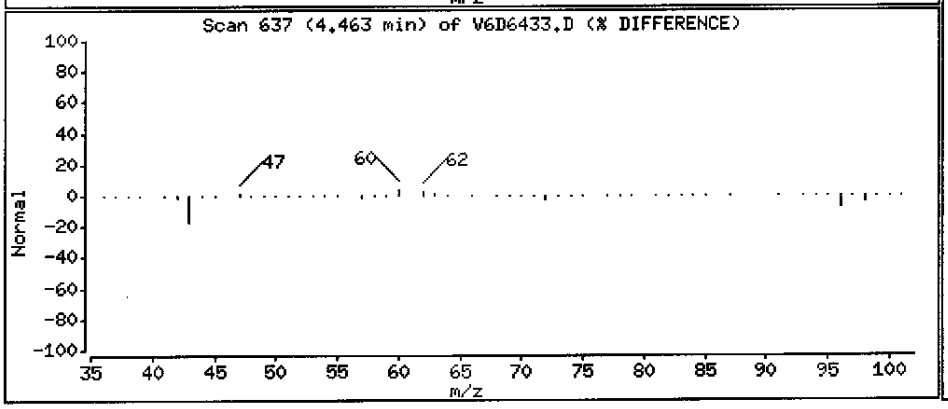
17 cis-1,2-Dichloroethene

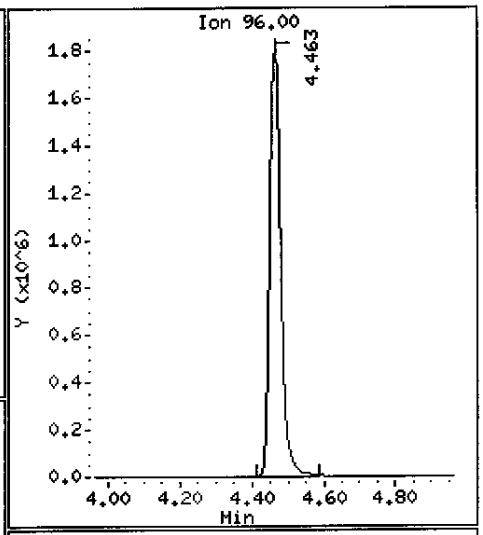
Concentration: 60000 ug/L

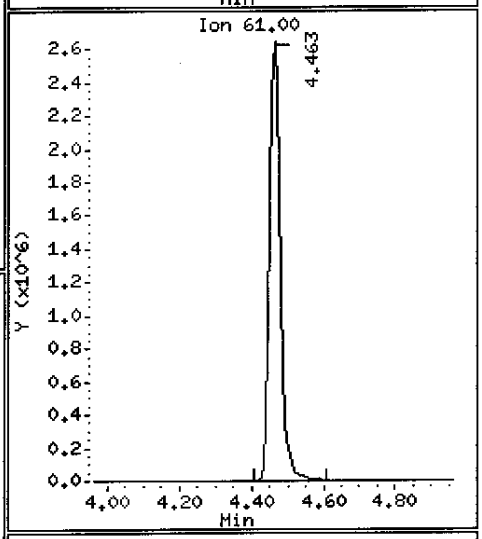


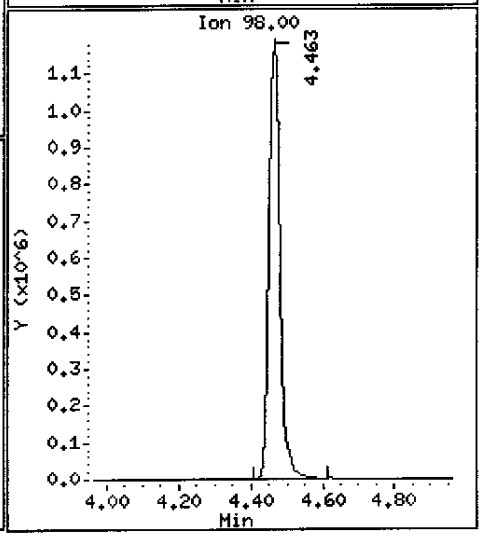












Data File: \\Avogadro\Organics\organic\voa\V6.i\050603.B\V6D6433.D

Date : 03-JUN-2005 19:08

Client ID: PW-3DL

Instrument: V6.i

Sample Info: ,D0618-07ADL,18379,200X

Purge Volume: 5.0

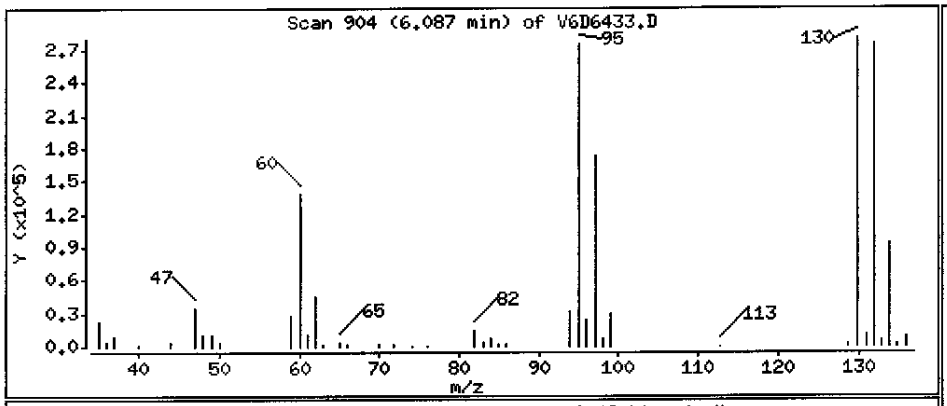
Operator: SB SRC: SB

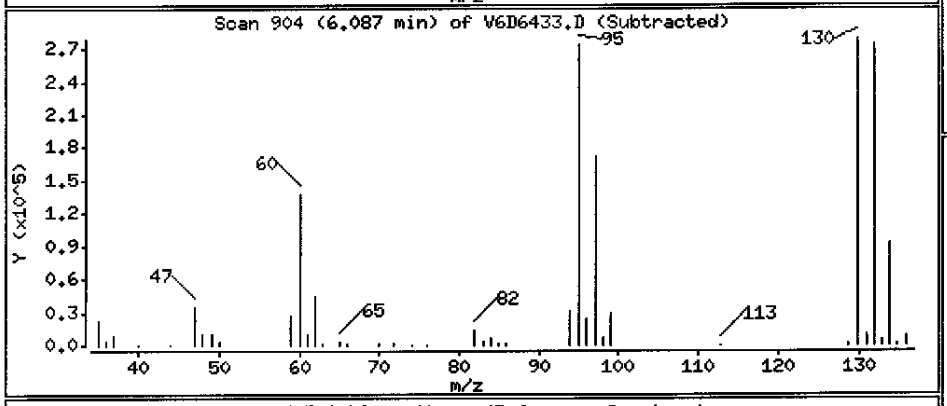
Column phase: DB-624

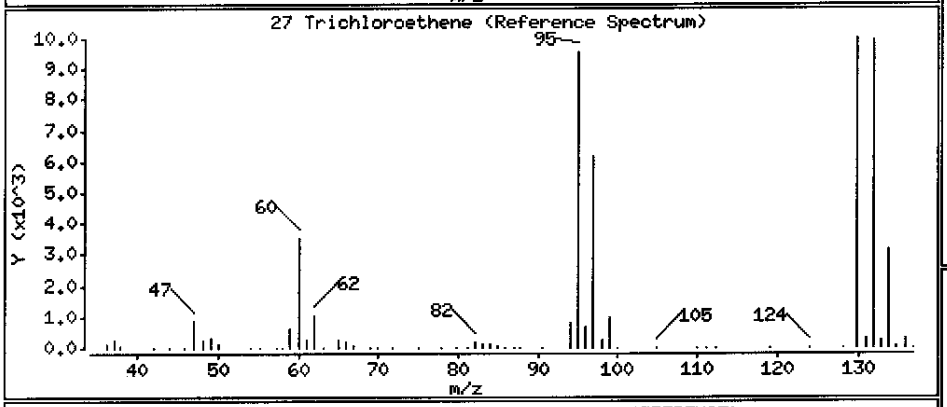
Column diameter: 0.25

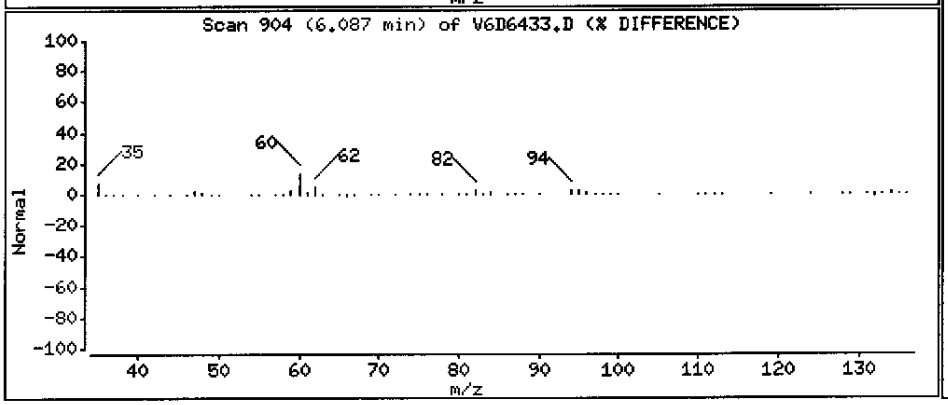
27 Trichloroethene

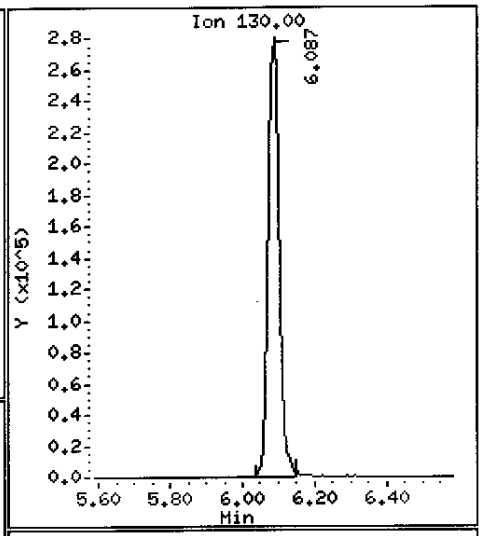
Concentration: 8100 ug/L

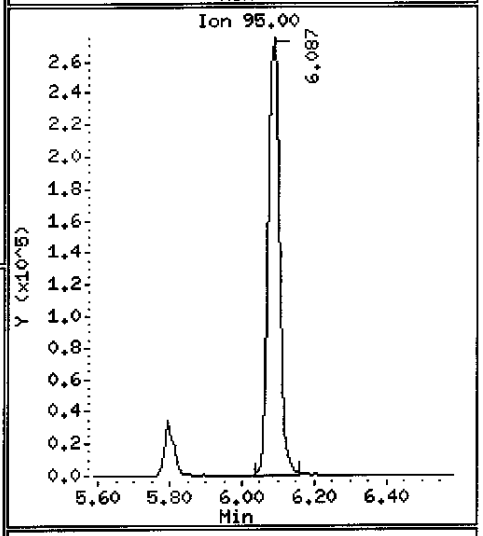


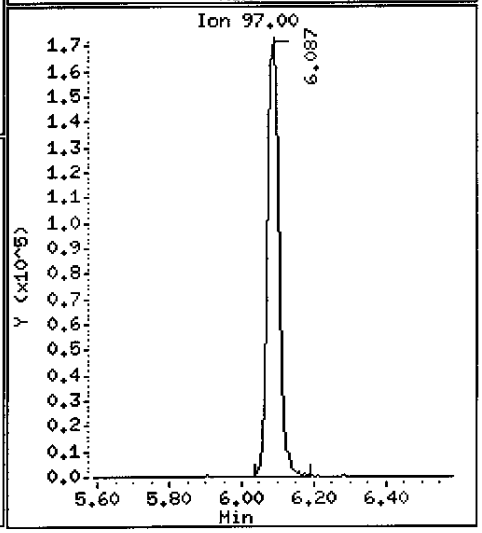












Data File: \\Avogadro\Organics\organic\voa\V6.i\050603.B\V6D6433.D

Date : 03-JUN-2005 19:08

Client ID: PW-3DL

Instrument: V6.i

Sample Info: ,D0618-07ADL,18379,200X

Purge Volume: 5.0

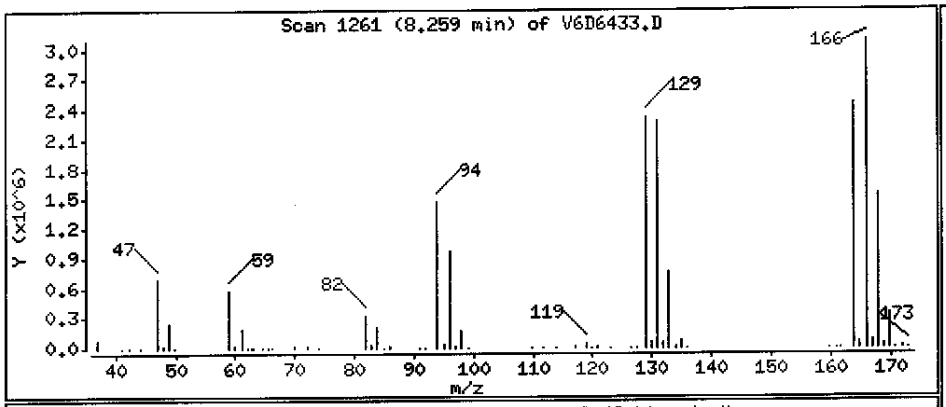
Operator: SB SRC: SB

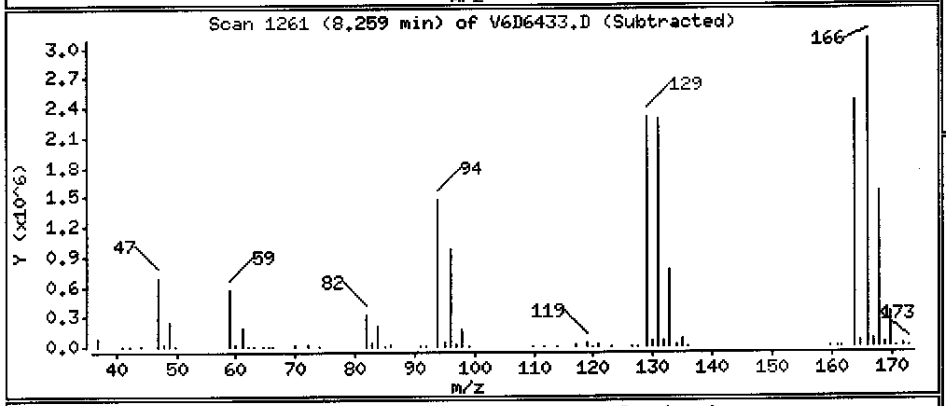
Column phase: DB-624

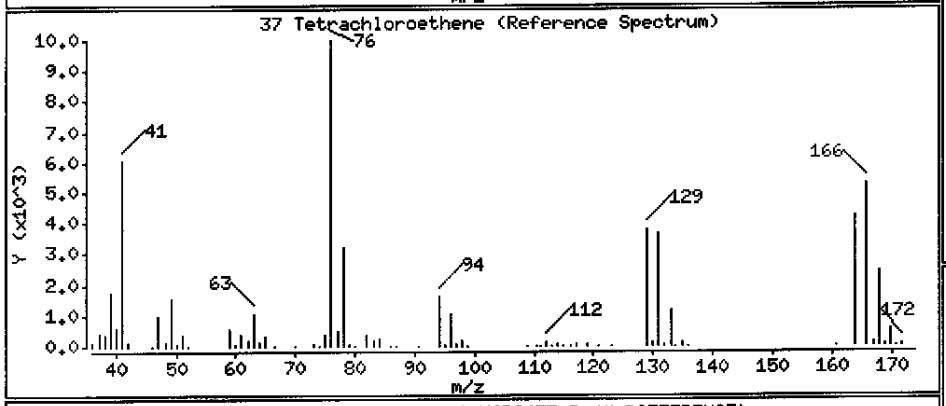
Column diameter: 0.25

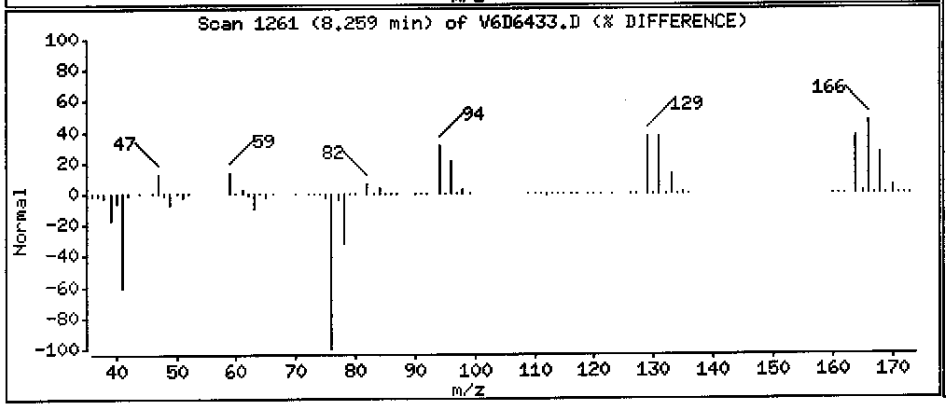
37 Tetrachloroethene

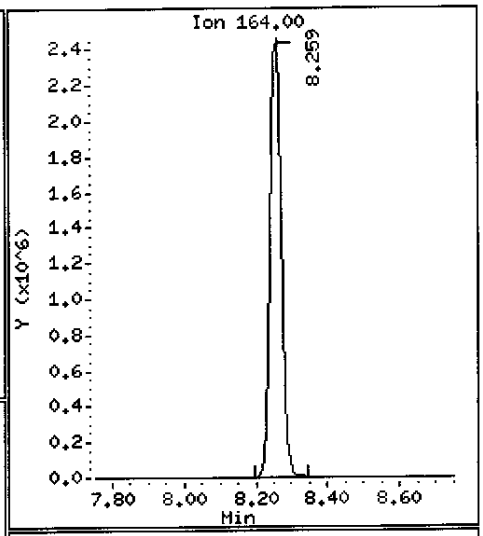
Concentration: 90000 ug/L

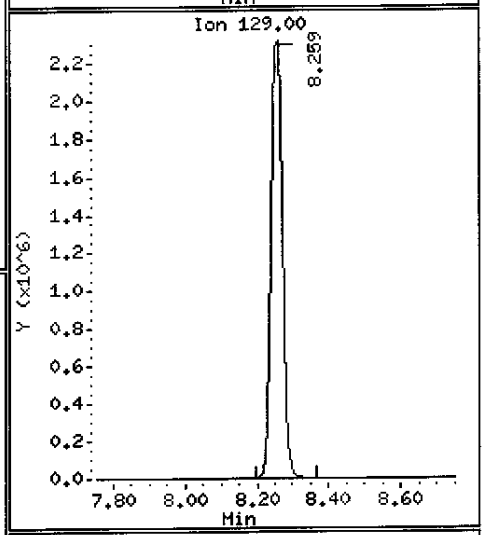


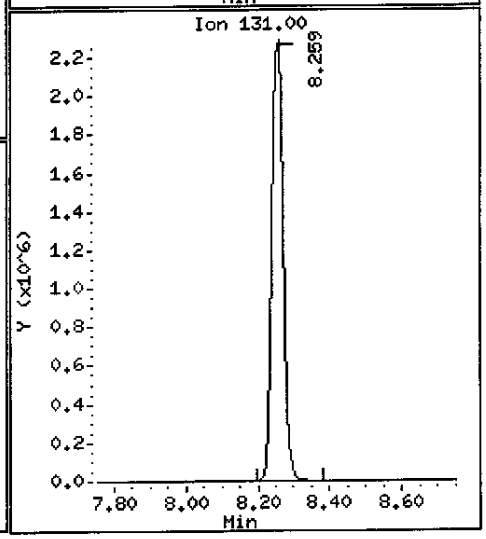












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PW-3DL1

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07ADL1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6827

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 800.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	8000	U
74-87-3	Chloromethane	8000	U
75-01-4	Vinyl Chloride	9300	D
74-83-9	Bromomethane	8000	U
75-00-3	Chloroethane	8000	U
75-69-4	Trichlorofluoromethane	8000	U
75-35-4	1,1-Dichloroethene	8000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	8000	U
67-64-1	Acetone	8000	U
75-15-0	Carbon Disulfide	8000	U
79-20-9	Methyl Acetate	8000	U
75-09-2	Methylene Chloride	8000	U
156-60-5	trans-1,2-Dichloroethene	8000	U
1634-04-4	Methyl tert-Butyl Ether	8000	U
75-34-3	1,1-Dichloroethane	8000	U
156-59-2	cis-1,2-Dichloroethene	57000	D
78-93-3	2-Butanone	8000	U
67-66-3	Chloroform	8000	U
71-55-6	1,1,1-Trichloroethane	8000	U
110-82-7	Cyclohexane	8000	U
56-23-5	Carbon Tetrachloride	8000	U
71-43-2	Benzene	8000	U
107-06-2	1,2-Dichloroethane	8000	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PW-3DL1

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07ADL1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6827

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 800.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	7300	J
108-87-2	Methylcyclohexane	8000	U
78-87-5	1,2-Dichloropropane	8000	U
75-27-4	Bromodichloromethane	8000	U
10061-01-5	cis-1,3-Dichloropropene	8000	U
108-10-1	4-Methyl-2-Pentanone	8000	U
108-88-3	Toluene	8000	U
10061-02-6	trans-1,3-Dichloropropene	8000	U
79-00-5	1,1,2-Trichloroethane	8000	U
127-18-4	Tetrachloroethene	74000	D
591-78-6	2-Hexanone	8000	U
124-48-1	Dibromochloromethane	8000	U
106-93-4	1,2-Dibromoethane	8000	U
108-90-7	Chlorobenzene	8000	U
100-41-4	Ethylbenzene	8000	U
1330-20-7	Xylene (Total)	8000	U
100-42-5	Styrene	8000	U
75-25-2	Bromoform	8000	U
98-82-8	Isopropylbenzene	8000	U
79-34-5	1,1,2,2-Tetrachloroethane	8000	U
541-73-1	1,3-Dichlorobenzene	8000	U
106-46-7	1,4-Dichlorobenzene	8000	U
95-50-1	1,2-Dichlorobenzene	8000	U
96-12-8	1,2-Dibromo-3-chloropropane	8000	U
120-82-1	1,2,4-Trichlorobenzene	8000	U

1F

EPA SAMPLE NO.

PW-3DL1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-07ADL1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6827

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 800.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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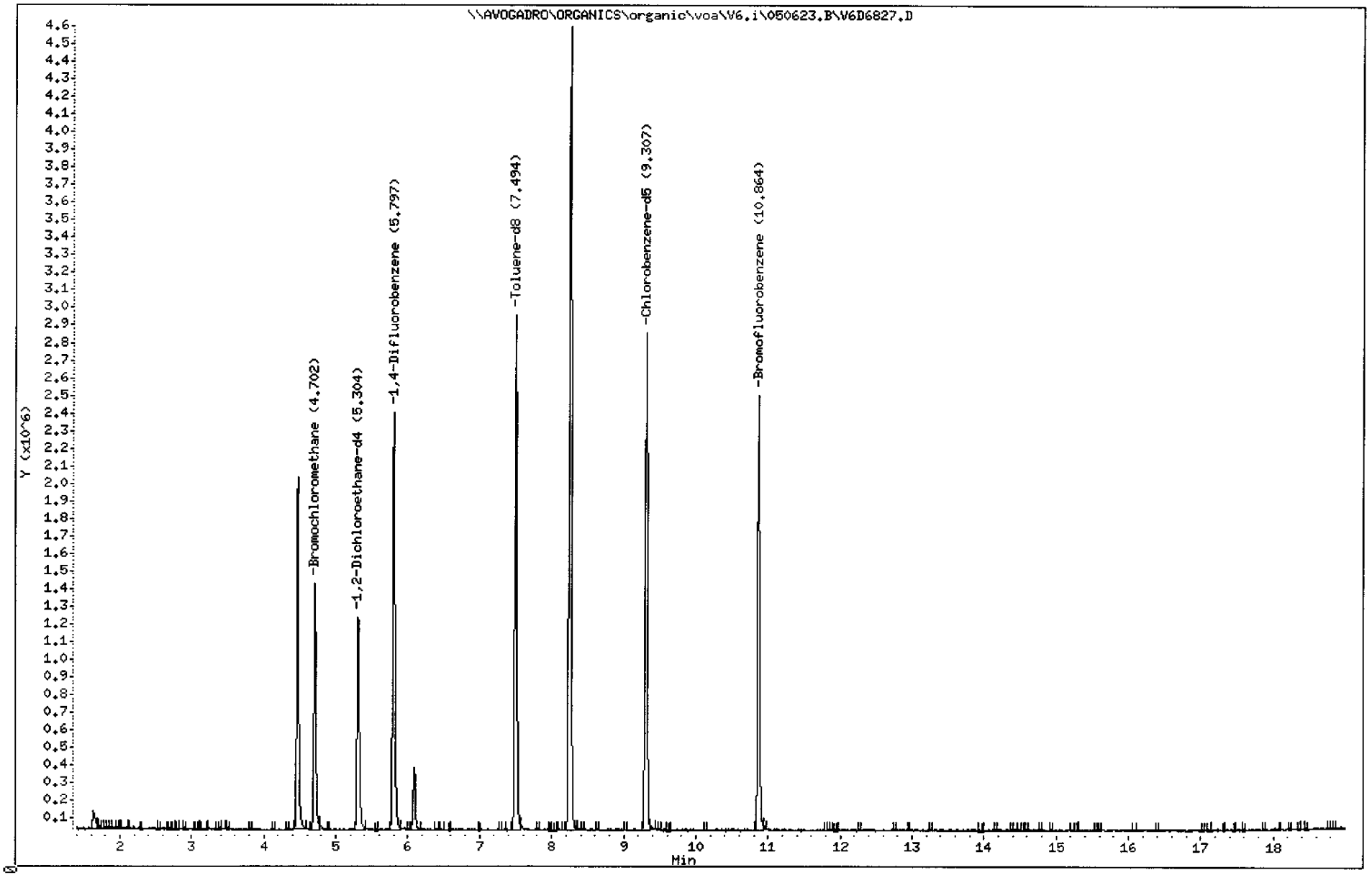
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6827.D
Date : 23-JUN-2005 14:12
Client ID: PW-3DL KC 6/26/05
Sample Info: ,D0618-07ADL,,18686,800
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i
Operator: SB SRC: SB
Column diameter: 0.25



0236

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6827.D
Report Date: 24-Jun-2005 13:29

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6827.D
Lab Smp Id: D0618-07ADL Client Smp ID: PW-3DL
Inj Date : 23-JUN-2005 14:12
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-07ADL,,18686,800
Misc Info : ,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\v6clp4s.m
Meth Date : 24-Jun-2005 13:28 mtl Quant Type: ISTD
Cal Date : 23-JUN-2005 09:25 Cal File: V6D6821.D
Als bottle: 7
Dil Factor: 800.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

KC 6/26/05

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	800.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	3 Vinyl Chloride	62	1.629	1.630	(0.347)	159938	11.5868	9300
	17 cis-1,2-Dichloroethene	96	4.464	4.459	(0.950)	874919	70.7857	57000
*	18 Bromochloromethane	128	4.702	4.702	(1.000)	424318	50.0000	
$	23 1,2-Dichloroethane-d4	65	5.304	5.304	(1.128)	1158691	43.1939	43
*	26 1,4-Difluorobenzene	114	5.797	5.797	(1.000)	1925715	50.0000	
	27 Trichloroethene	130	6.095	6.083	(1.051)	135123	9.13592	7300(a)
$	33 Toluene-d8	98	7.494	7.494	(0.805)	2187164	41.7421	42(R)
	37 Tetrachloroethene	164	8.260	8.255	(0.888)	1291693	93.0390	74000
*	42 Chlorobenzene-d5	117	9.307	9.307	(1.000)	1851386	50.0000	
$	50 Bromofluorobenzene	95	10.864	10.858	(1.167)	882781	40.3257	40(R)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

SB 6/24/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6827.D
Report Date: 24-Jun-2005 13:29

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6827.D
Lab Smp Id: D0618-07ADL Client Smp ID: PW-3DL
Inj Date : 23-JUN-2005 14:12
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-07ADL,,18686,800
Misc Info : ,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\v6clp4s.m
Meth Date : 24-Jun-2005 13:28 mtl Quant Type: ISTD
Cal Date : 23-JUN-2005 09:25 Cal File: V6D6821.D
Als bottle: 7
Dil Factor: 800.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

KC 6/24/05

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6827.D

Date : 23-JUN-2005 14:12

Client ID: PW-3DL KC 6/26/05

Instrument: V6.i

Sample Info: ,D0618-07ADL,,18686,800

Purge Volume: 5.0

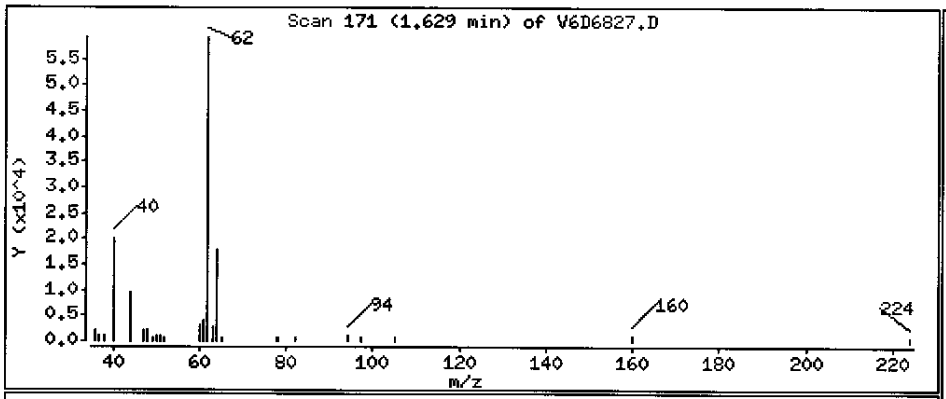
Operator: SB SRC: SB

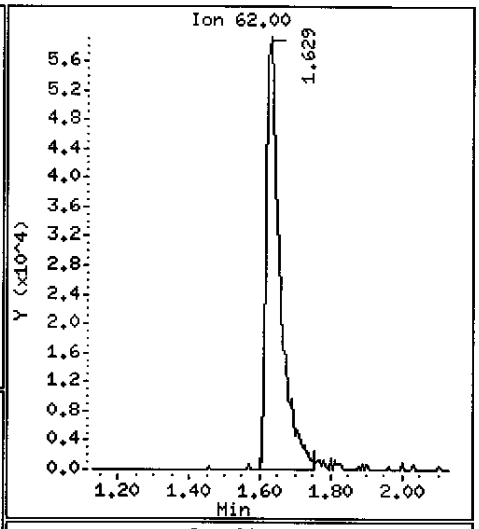
Column phase: DB-624

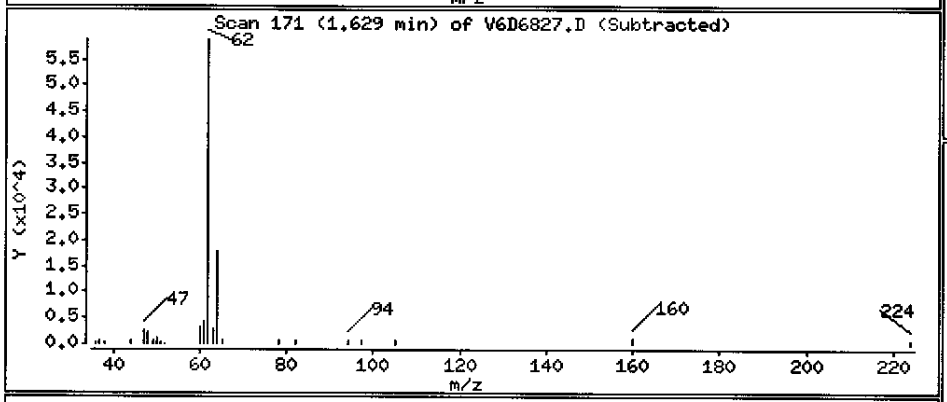
Column diameter: 0.25

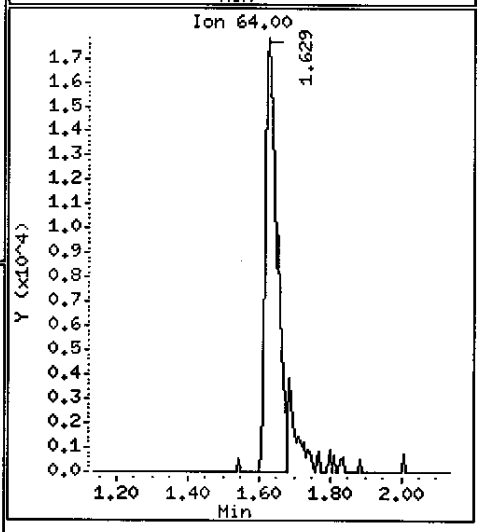
3 Vinyl Chloride

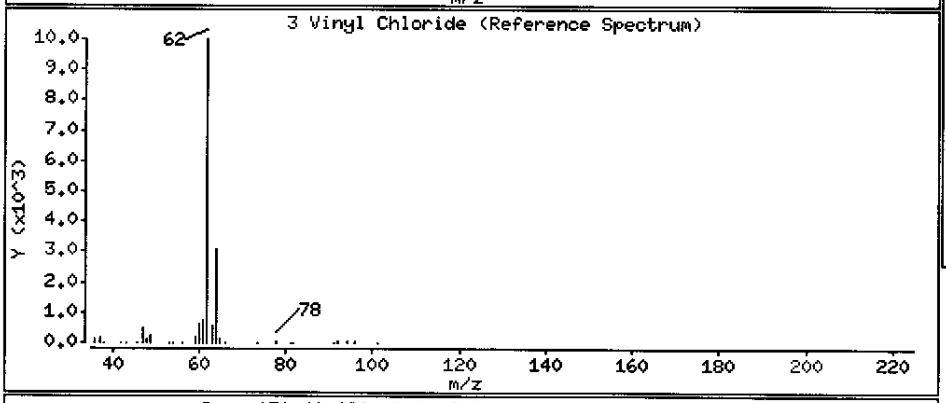
Concentration: 9300 ug/L

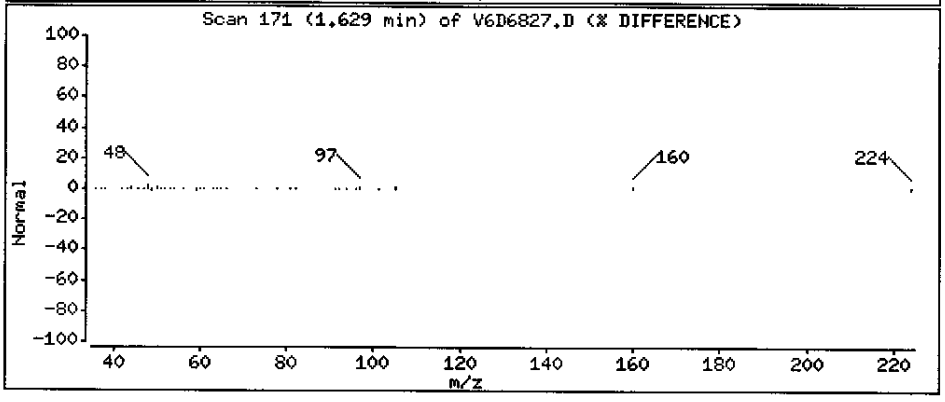












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6827.D

Date : 23-JUN-2005 14:12

Client ID: PW-3DL KC 6/26/05

Instrument: V6.i

Sample Info: ,D0618-07ADL,,18686,800

Purge Volume: 5.0

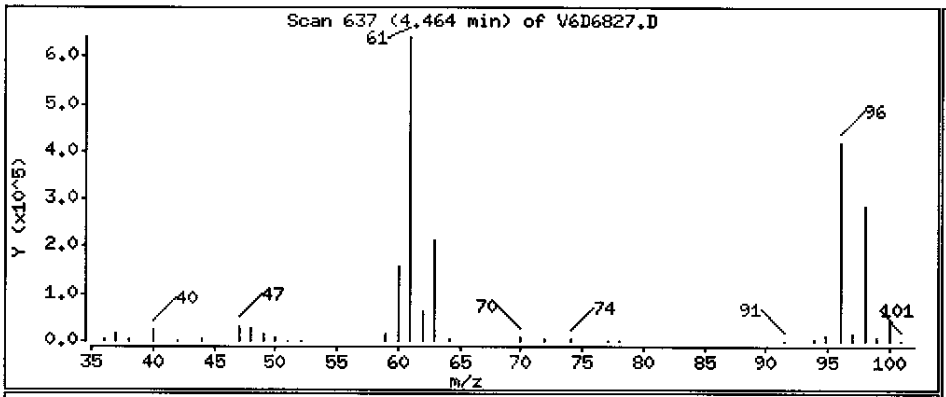
Operator: SB SRC: SB

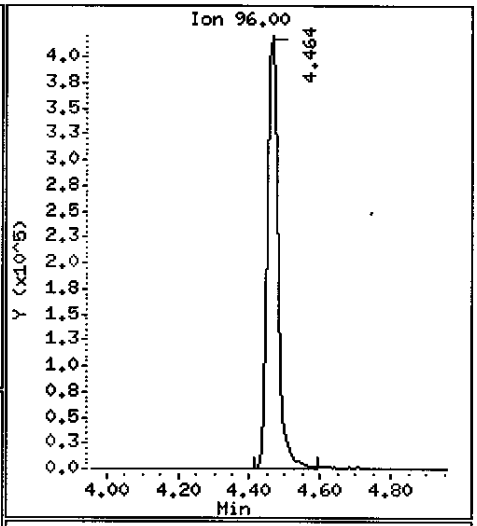
Column phase: DB-624

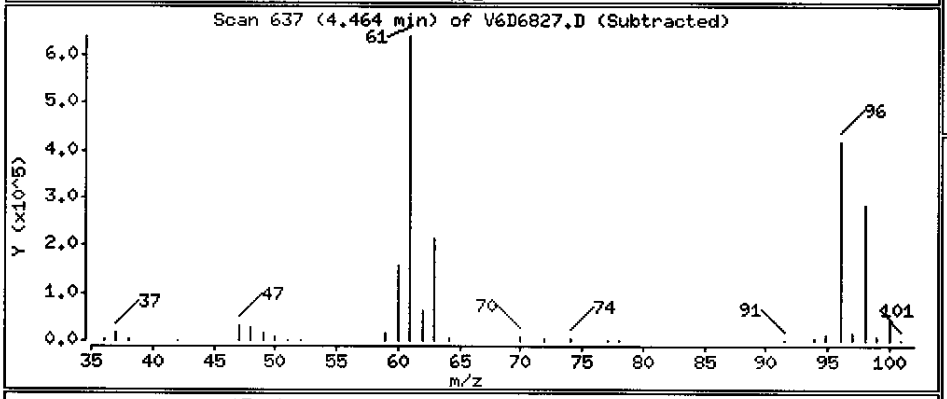
Column diameter: 0.25

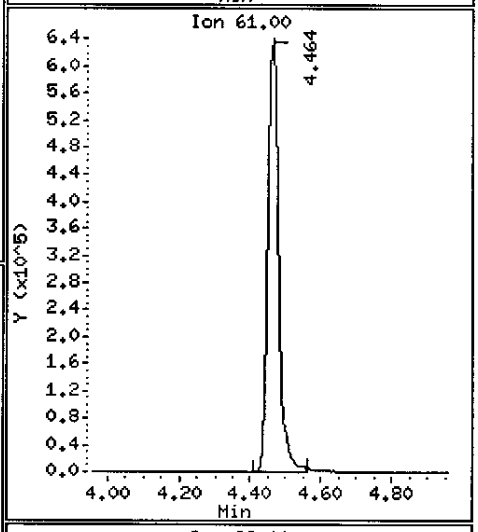
17 cis-1,2-Dichloroethene

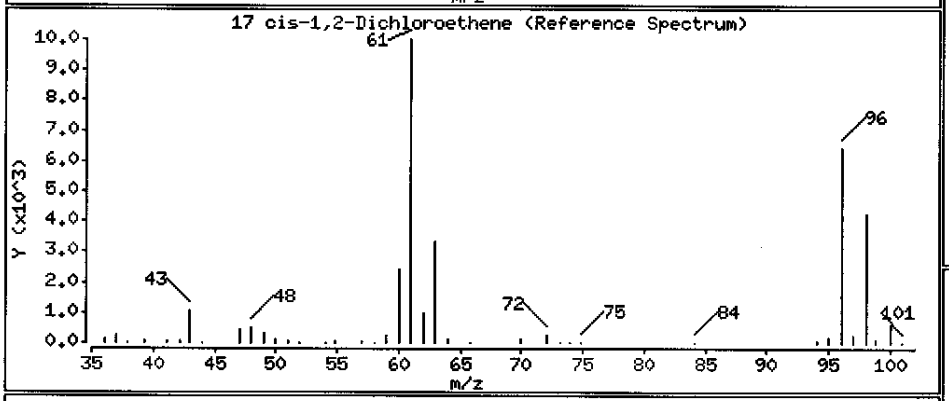
Concentration: 57000 ug/L

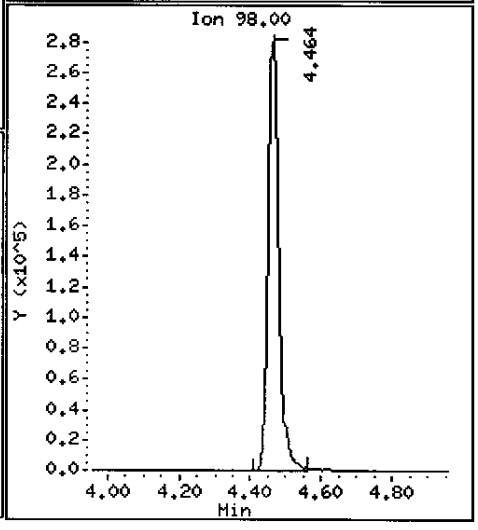


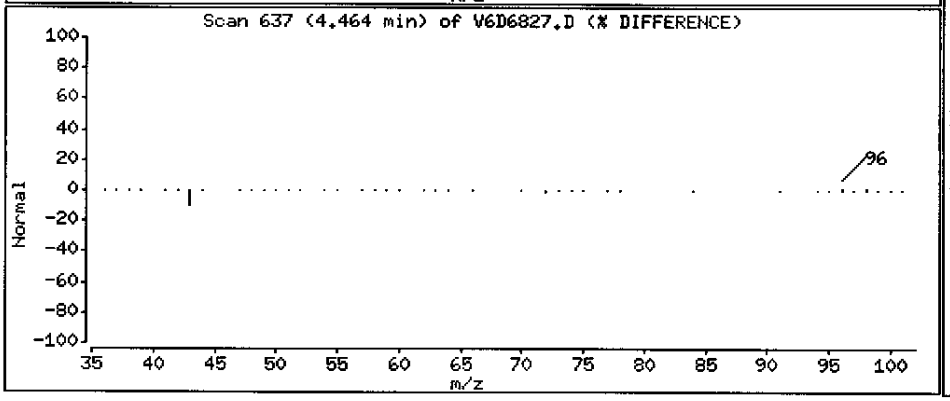












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6827.D

Date : 23-JUN-2005 14:12

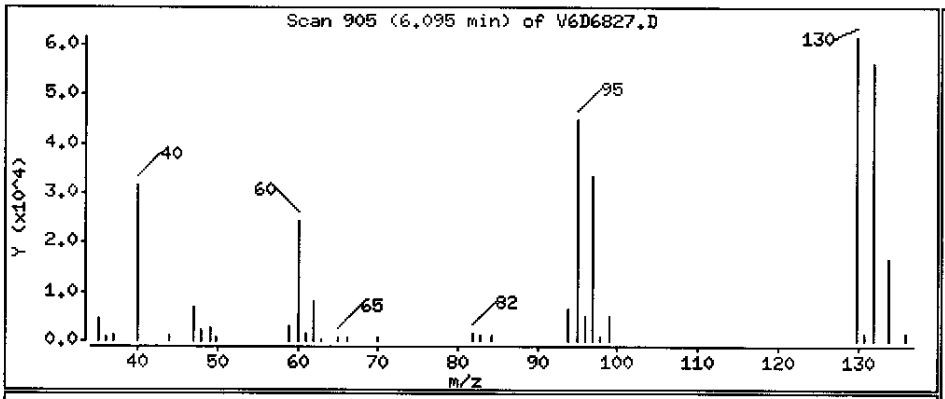
Client ID: PW-3DL KC 6/26/05 Instrument: V6.i

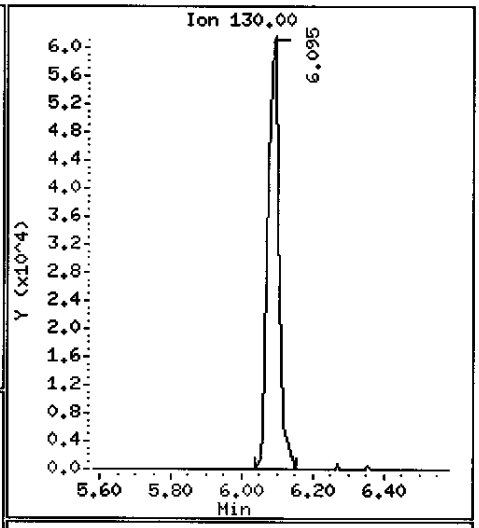
Sample Info: ,D0618-07ADL,,18686,800

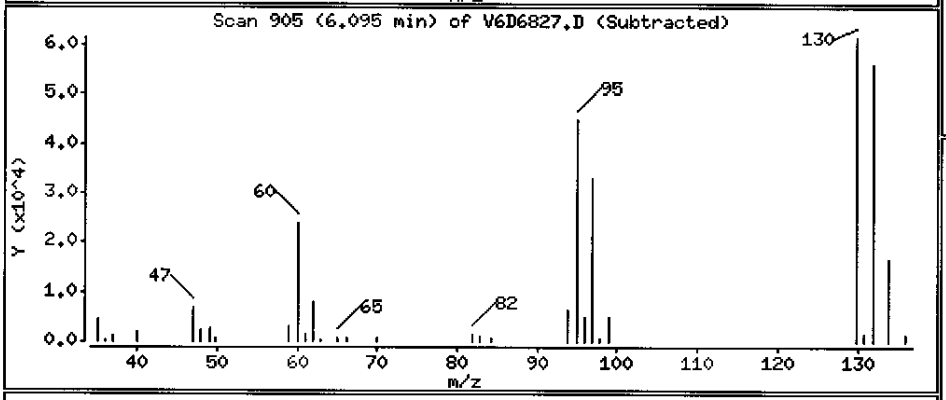
Purge Volume: 5.0 Operator: SB SRC: SB

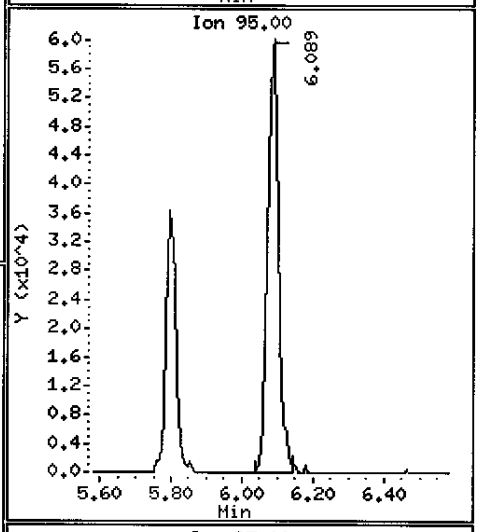
Column phase: DB-624 Column diameter: 0.25

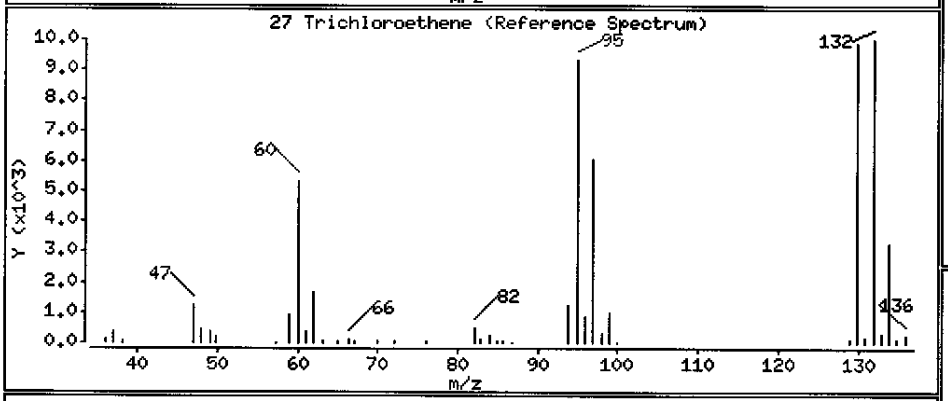
27 Trichloroethene Concentration: 7300 ug/L

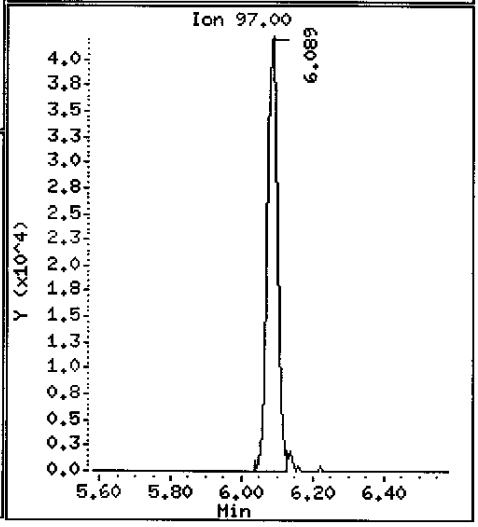


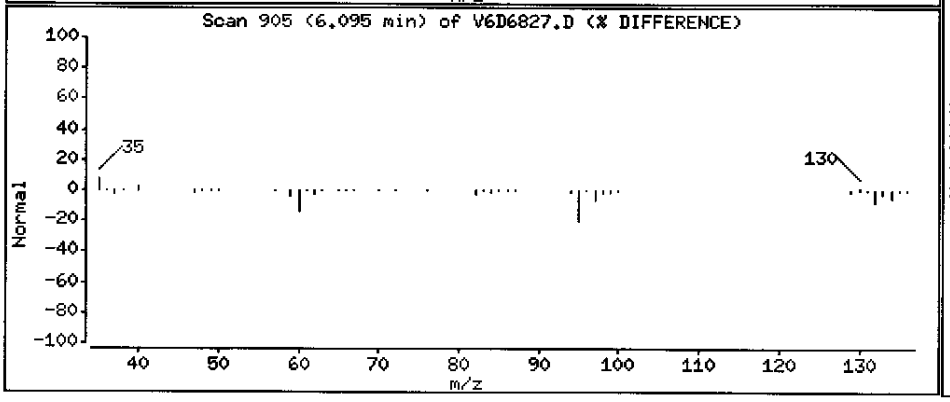












Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6827.D

Date : 23-JUN-2005 14:12

Client ID: PW-3DL KC 6/26/05

Instrument: V6.i

Sample Info: ,D0618-07ADL,,18686,800

Purge Volume: 5.0

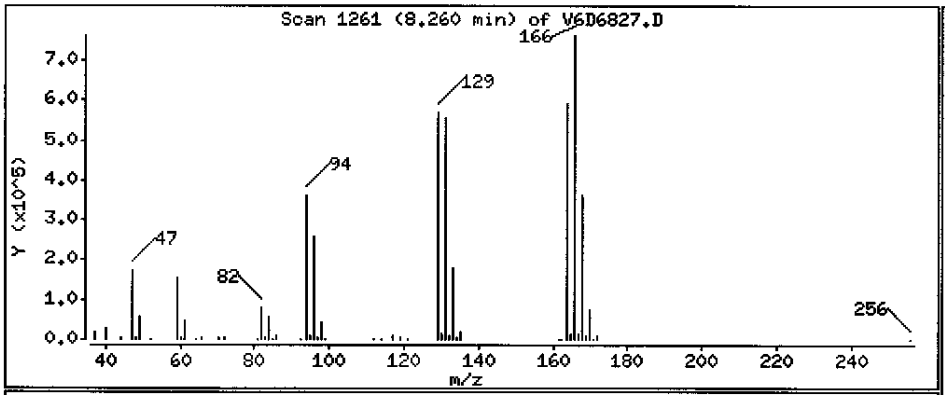
Operator: SB SRC: SB

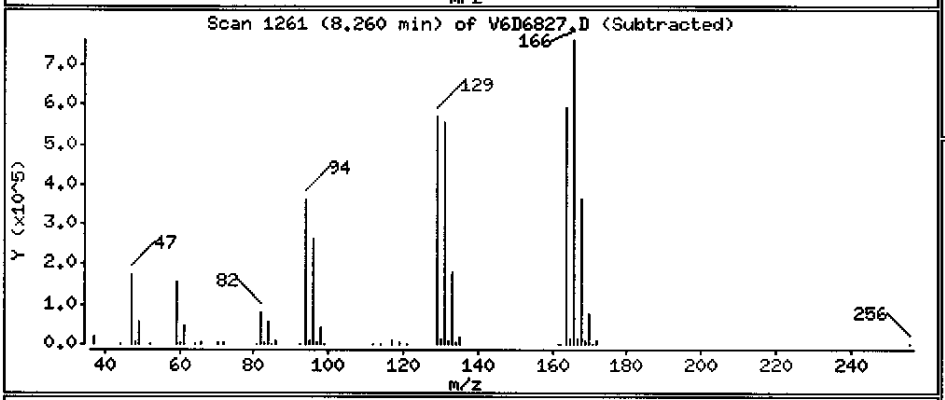
Column phase: DB-624

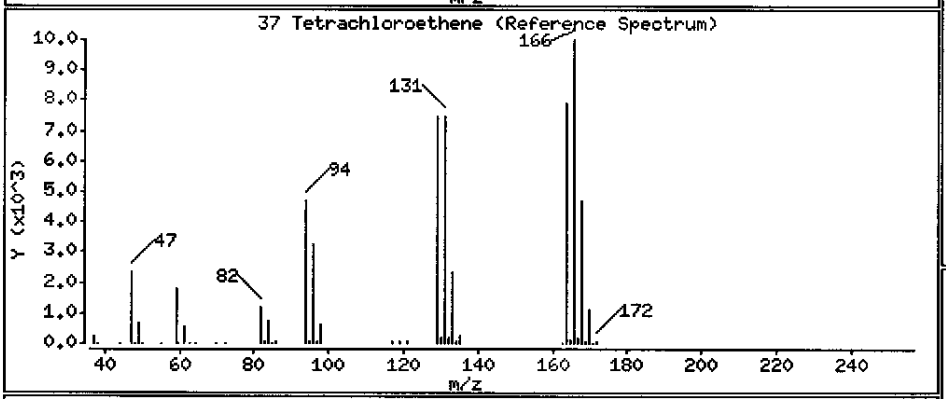
Column diameter: 0.25

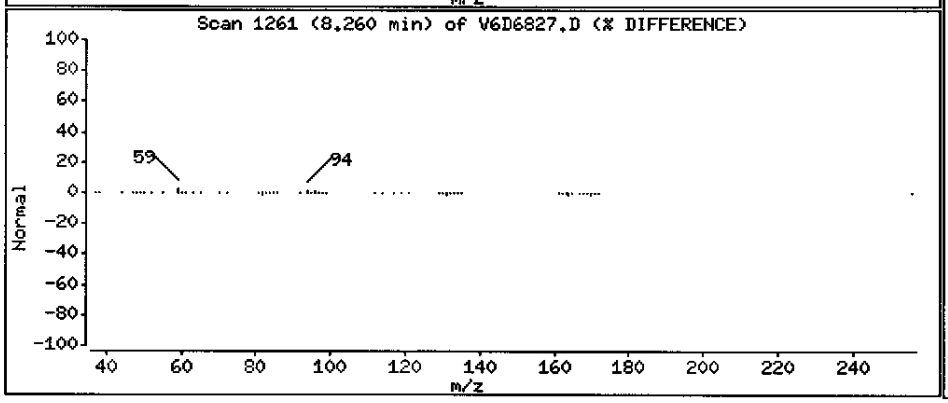
37 Tetrachloroethene

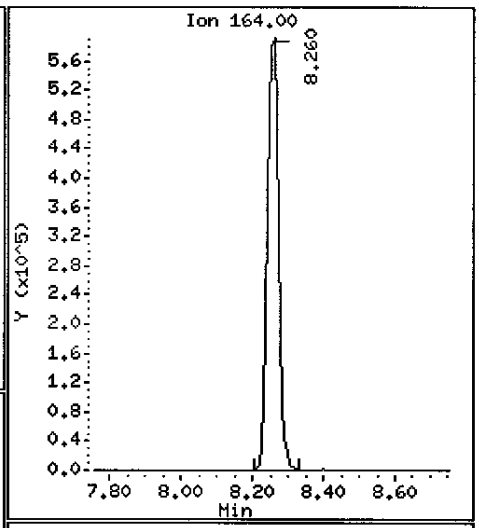
Concentration: 74000 ug/L

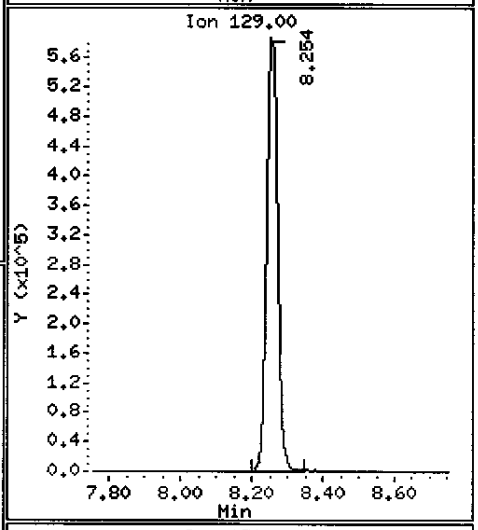


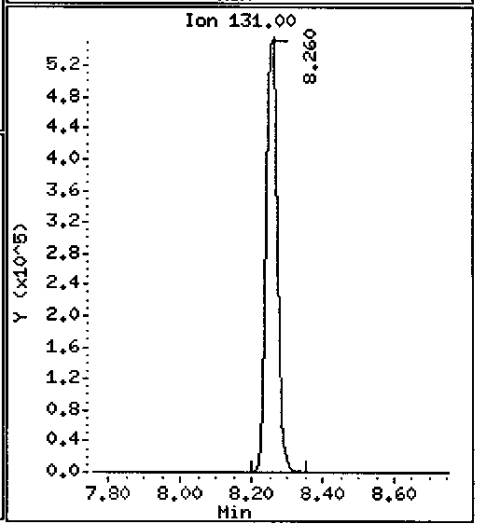












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RIN-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-09A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6461

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/06/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RIN-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-09A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6461

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/06/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

RIN-3

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-09A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6461

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/06/05

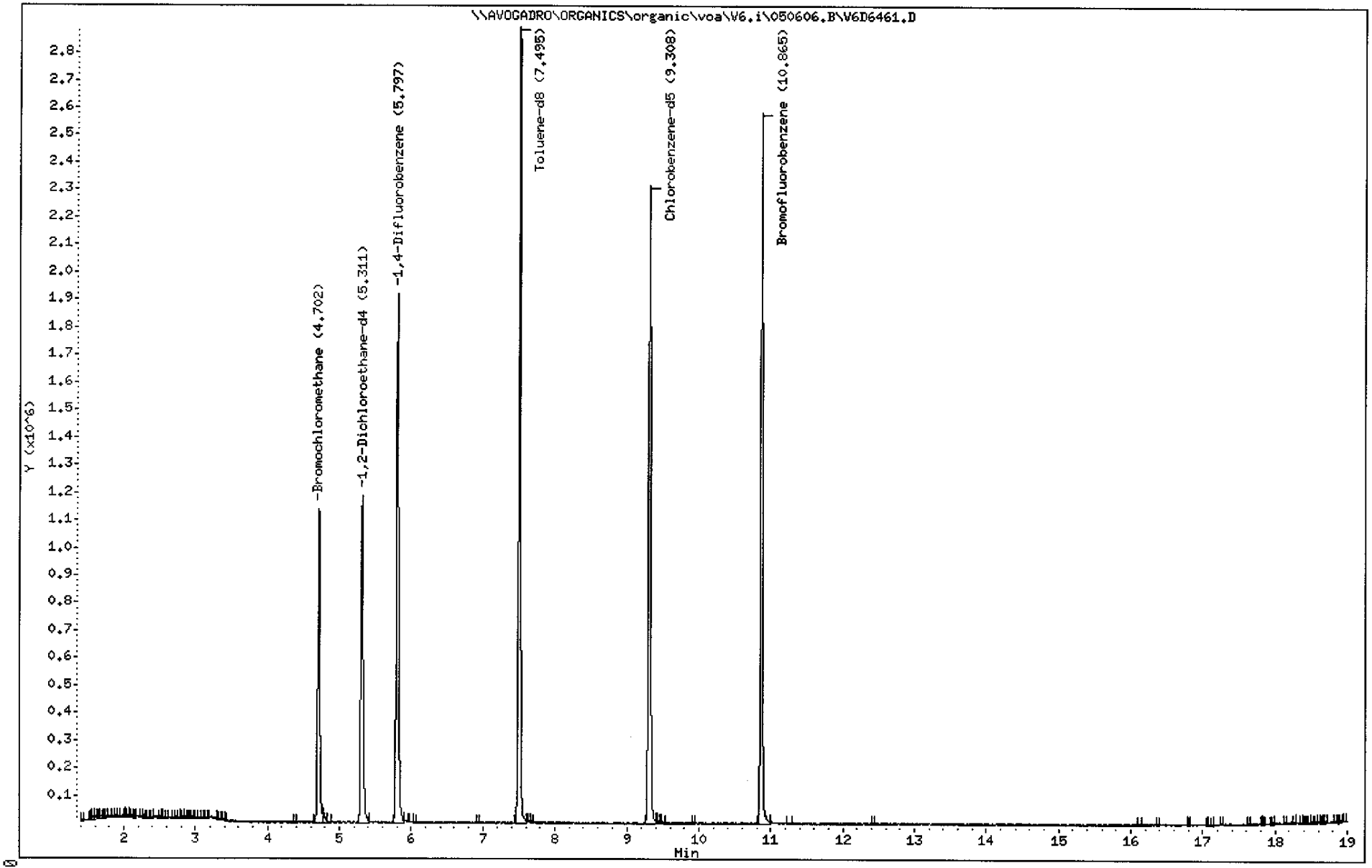
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6461.D
Date : 06-JUN-2005 17:44
Client ID: RIN-3
Instrument: V6.i
Sample Info: ,D0618-09A,RIN-3,18399
Purge Volume: 5.0
Operator: SB SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



0246

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6461.D
Report Date: 07-Jun-2005 10:17

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6461.D
Lab Smp Id: D0618-09A Client Smp ID: RIN-3
Inj Date : 06-JUN-2005 17:44
Operator : SB SRC: LIMS Inst ID: V6.i
Smp Info : ,D0618-09A,RIN-3,18399
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\v6clp4s.m
Meth Date : 06-Jun-2005 12:33 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 09:40 Cal File: V6D6451.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 18 Bromochloromethane	128	4.702	4.700	(1.000)	367640	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.311	5.302	(1.129)	1084361	50.7910	51
* 26 1,4-Difluorobenzene	114	5.797	5.795	(1.000)	1609500	50.0000	
$ 33 Toluene-d8	98	7.495	7.492	(0.805)	2174202	50.5249	51
* 42 Chlorobenzene-d5	117	9.307	9.305	(1.000)	1554268	50.0000	
$ 50 Bromofluorobenzene	95	10.865	10.862	(1.167)	915498	51.6727	52

KC
6/27/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6461.D
Report Date: 07-Jun-2005 10:17

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6461.D
Lab Smp Id: D0618-09A Client Smp ID: RIN-3
Inj Date : 06-JUN-2005 17:44
Operator : SB SRC: LIMS Inst ID: V6.i
Smp Info : ,D0618-09A,RIN-3,18399
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\v6clp4s.m
Meth Date : 06-Jun-2005 12:33 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 09:40 Cal File: V6D6451.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-10A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6377

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-10A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6377

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TRIP

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-10A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6377

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
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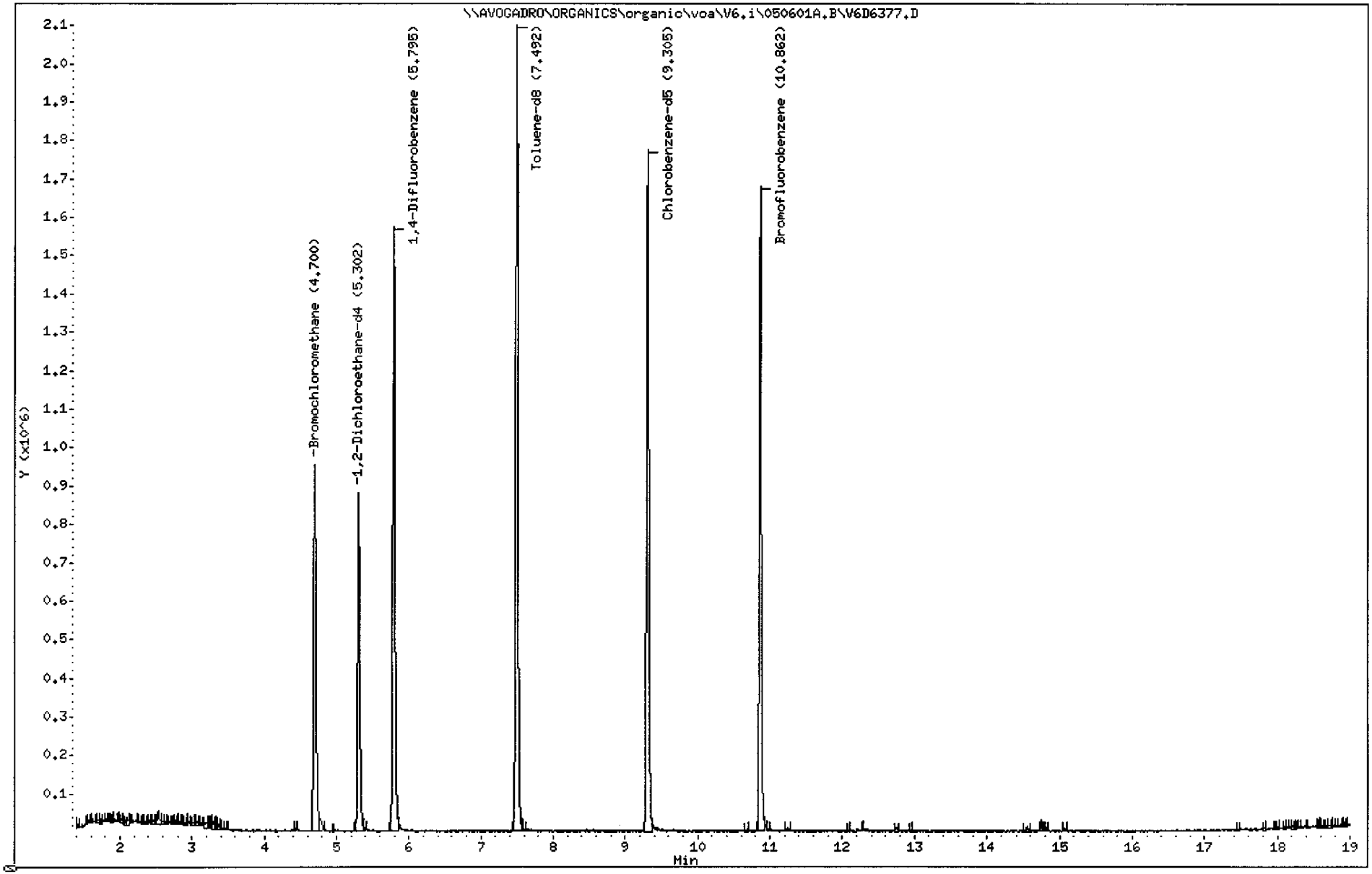
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601A.B\V6D6377.D
Date : 01-JUN-2005 17:30
Client ID: TRIP
Instrument: V6.i
Sample Info: ,D0618-10A,18341
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0252

Data File: V6D6377.D
Report Date: 22-Jun-2005 16:37

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601A.B\V6D6377.D
Lab Smp Id: D0618-10A Client Smp ID: TRIP
Inj Date : 01-JUN-2005 17:30
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-10A,18341
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601A.B\v6clp4s.m
Meth Date : 01-Jun-2005 13:32 mtl Quant Type: ISTD
Cal Date : 01-JUN-2005 13:05 Cal File: V6D6371.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	4.700	4.700	(1.000)	302310	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.302	5.302	(1.128)	805142	47.6903	48
* 26 1,4-Difluorobenzene	114	5.795	5.795	(1.000)	1337729	50.0000	
$ 33 Toluene-d8	98	7.492	7.492	(0.805)	1646825	50.9487	51
* 42 Chlorobenzene-d5	117	9.305	9.305	(1.000)	1253709	50.0000	
$ 50 Bromofluorobenzene	95	10.862	10.862	(1.167)	635763	47.1256	47

KL
6/22/05

Data File: V6D6377.D
Report Date: 22-Jun-2005 16:37

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601A.B\V6D6377.D
Lab Smp Id: D0618-10A Client Smp ID: TRIP
Inj Date : 01-JUN-2005 17:30
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-10A,18341
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601A.B\v6clp4s.m
Meth Date : 01-Jun-2005 13:32 mtl Quant Type: ISTD
Cal Date : 01-JUN-2005 13:05 Cal File: V6D6371.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: V6 Calibration Date(s): 06/01/05 06/01/05

Heated Purge: (Y/N) N Calibration Times: 1012 1202

GC Column: DB-624 ID: 0.25(mm)

LAB FILE ID: RRF10 = V6D6362 RRF20 = V6D6365
RRF50 = V6D6361 RRF100= V6D6364 RRF200= V6D6363

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	1.834	2.037	2.140	2.072	1.835	1.984	7.1
Chloromethane	1.775	1.703	1.794	1.765	1.666	1.741	3.1
Vinyl Chloride *	1.597	1.672	1.782	1.869	1.648	1.714	6.4*
Bromomethane *	1.146	1.137	1.174	1.129	1.036	1.124	4.6*
Chloroethane	0.818	0.813	0.921	0.859	0.821	0.846	5.4
Trichlorofluoromethane	1.669	2.103	2.687	2.443	2.223	2.225	17.2
1,1-Dichloroethene *	0.997	1.384	1.499	1.537	1.434	1.370	15.8*
1,1,2-Trichloro-1,2,2-trifluoroethane	1.093	1.189	1.328	1.339	1.136	1.217	9.2
Acetone	0.562	0.545	0.783	0.603	0.609	0.620	15.3
Carbon Disulfide	4.108	4.038	4.610	4.506	4.229	4.298	5.8
Methyl Acetate	0.854	0.826	1.007	0.923	0.864	0.895	8.1
Methylene Chloride	1.558	1.528	1.544	1.502	1.417	1.510	3.7
trans-1,2-Dichloroethene	1.716	1.722	1.907	1.738	1.567	1.730	7.0
Methyl tert-Butyl Ether	4.017	4.422	4.403	4.284	3.993	4.224	4.9
1,1-Dichloroethane *	3.259	3.287	3.587	3.409	3.137	3.336	5.1*
cis-1,2-Dichloroethene	1.456	1.463	1.804	1.735	1.674	1.626	9.8
2-Butanone	0.716	0.771	0.924	0.803	0.753	0.793	10.0
Chloroform *	3.578	3.435	3.886	3.564	3.314	3.555	6.0*
1,1,1-Trichloroethane *	0.592	0.611	0.645	0.635	0.555	0.608	5.9*
Cyclohexane	0.307	0.385	0.521	0.506	0.441	0.432	20.5
Carbon Tetrachloride *	0.551	0.604	0.650	0.631	0.558	0.599	7.3*
Benzene *	1.151	1.220	1.444	1.337	1.131	1.257	10.5*
1,2-Dichloroethane *	3.311	3.295	3.627	3.310	3.072	3.323	6.0*
Trichloroethene *	0.378	0.397	0.464	0.433	0.385	0.411	8.8*
Methylcyclohexane	0.299	0.371	0.443	0.468	0.378	0.392	16.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6B

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: V6 Calibration Date(s): 06/01/05 06/01/05

Heated Purge: (Y/N) N Calibration Times: 1012 1202

GC Column: DB-624 ID: 0.25 (mm)

LAB FILE ID: RRF10 = V6D6362 RRF20 = V6D6365
RRF50 = V6D6361 RRF100= V6D6364 RRF200= V6D6363

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
1,2-Dichloropropane		0.346	0.364	0.398	0.372	0.327	0.361	7.4	
Bromodichloromethane	*	0.522	0.549	0.601	0.568	0.504	0.549	7.0*	
cis-1,3-Dichloropropene	*	0.356	0.397	0.490	0.526	0.482	0.450	15.7*	
4-Methyl-2-Pentanone		0.241	0.293	0.348	0.318	0.294	0.299	13.1	
Toluene	*	1.318	1.439	1.690	1.572	1.353	1.474	10.5*	
trans-1,3-Dichloropropene	*	0.408	0.477	0.532	0.561	0.515	0.499	11.9*	
1,1,2-Trichloroethane	*	0.321	0.363	0.373	0.356	0.313	0.345	7.8*	
Tetrachloroethene	*	0.341	0.349	0.400	0.386	0.334	0.362	8.1*	
2-Hexanone		0.154	0.186	0.235	0.236	0.218	0.206	17.1	
Dibromochloromethane	*	0.405	0.442	0.498	0.473	0.425	0.449	8.3*	
1,2-Dibromoethane		0.355	0.382	0.412	0.411	0.371	0.386	6.5	
Chlorobenzene	*	1.019	1.076	1.209	1.140	0.998	1.088	8.0*	
Ethylbenzene	*	0.460	0.506	0.626	0.602	0.535	0.546	12.5*	
Xylene (Total)	*	0.482	0.591	0.749	0.714	0.632	0.634	16.7*	
Styrene	*	0.643	0.785	0.967	0.955	0.827	0.835	16.0*	
Bromoform	*	0.267	0.300	0.332	0.318	0.300	0.303	8.0*	
Isopropylbenzene		1.251	1.478	1.941	1.903	1.613	1.637	17.8	
1,1,2,2-Tetrachloroethane	*	0.411	0.469	0.459	0.453	0.403	0.439	6.8*	
1,3-Dichlorobenzene	*	0.700	0.807	0.989	0.979	0.874	0.870	13.9*	
1,4-Dichlorobenzene	*	0.740	0.878	1.055	1.034	0.920	0.925	13.8*	
1,2-Dichlorobenzene	*	0.728	0.805	0.959	0.958	0.846	0.859	11.7*	
1,2-Dibromo-3-chloropropane		0.076	0.092	0.098	0.105	0.094	0.093	11.7	
1,2,4-Trichlorobenzene	*	0.293	0.398	0.543	0.595	0.561	0.478	26.7*	<-
Toluene-d8		0.975	1.172	1.455	1.425	1.228	1.251	15.8	
Bromofluorobenzene	*	0.407	0.469	0.611	0.604	0.549	0.528	16.7*	
1,2-Dichloroethane-d4		2.545	2.543	3.121	2.880	2.758	2.769	8.8	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: V6 Calibration Date(s): 06/06/05 06/06/05

Heated Purge: (Y/N) N Calibration Times: 0940 1201

GC Column: DB-624 ID: 0.25(mm)

LAB FILE ID: RRF10 = V6D6452 RRF20 = V6D6455
RRF50 = V6D6451 RRF100= V6D6454 RRF200= V6D6453

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	1.767	2.304	1.929	2.053	2.161	2.043	10.1
Chloromethane	1.615	1.693	1.563	1.667	1.717	1.651	3.8
Vinyl Chloride *	1.428	1.731	1.529	1.696	1.687	1.614	8.0*
Bromomethane *	1.011	1.061	0.973	0.976	0.680	0.940	15.9*
Chloroethane	0.740	0.785	0.712	0.721	0.648	0.721	6.9
Trichlorofluoromethane	1.785	2.171	2.127	2.242	2.091	2.083	8.4
1,1-Dichloroethene *	1.203	1.350	1.237	1.367	1.372	1.306	6.1*
1,1,2-Trichloro-1,2,2-trifluoroethane	0.914	1.402	1.280	1.344	1.193	1.227	15.6
Acetone	0.690	0.420	0.498	0.433	0.447	0.498	22.4
Carbon Disulfide	3.840	4.215	3.783	4.304	4.013	4.031	5.6
Methyl Acetate	0.912	0.901	0.726	0.855	0.772	0.833	9.8
Methylene Chloride	1.358	1.534	1.271	1.423	1.354	1.388	7.1
trans-1,2-Dichloroethene	1.644	1.729	1.498	1.637	1.520	1.606	6.0
Methyl tert-Butyl Ether	3.542	4.242	3.537	4.026	3.507	3.771	9.0
1,1-Dichloroethane *	2.833	3.255	2.911	3.201	2.993	3.039	6.0*
cis-1,2-Dichloroethene	1.241	1.457	1.421	1.643	1.603	1.473	10.9
2-Butanone	0.552	0.614	0.659	0.703	0.664	0.638	9.1
Chloroform *	3.388	3.535	3.146	3.392	3.199	3.332	4.8*
1,1,1-Trichloroethane *	0.538	0.610	0.507	0.572	0.504	0.546	8.2*
Cyclohexane	0.308	0.449	0.422	0.527	0.487	0.439	19.0
Carbon Tetrachloride *	0.532	0.618	0.515	0.564	0.506	0.547	8.3*
Benzene *	1.048	1.229	1.058	1.184	1.056	1.115	7.6*
1,2-Dichloroethane *	2.944	3.285	2.865	3.105	2.927	3.025	5.6*
Trichloroethene *	0.367	0.383	0.359	0.390	0.378	0.375	3.3*
Methylcyclohexane	0.332	0.439	0.414	0.480	0.434	0.420	13.0

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6B
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: V6 Calibration Date(s): 06/06/05 06/06/05

Heated Purge: (Y/N) N Calibration Times: 0940 1201

GC Column: DB-624 ID: 0.25 (mm)

LAB FILE ID: RRF10 = V6D6452 RRF20 = V6D6455
RRF50 = V6D6451 RRF100= V6D6454 RRF200= V6D6453

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
1,2-Dichloropropane		0.338	0.354	0.310	0.338	0.305	0.329	6.3	
Bromodichloromethane	*	0.475	0.528	0.439	0.496	0.460	0.480	7.1*	
cis-1,3-Dichloropropene	*	0.274	0.395	0.357	0.465	0.427	0.384	19.0*	
4-Methyl-2-Pentanone		0.199	0.252	0.254	0.278	0.266	0.250	12.1	
Toluene	*	1.175	1.418	1.315	1.392	1.248	1.310	7.7*	
trans-1,3-Dichloropropene	*	0.331	0.441	0.386	0.498	0.443	0.420	15.1*	
1,1,2-Trichloroethane	*	0.310	0.341	0.280	0.314	0.289	0.307	7.8*	
Tetrachloroethene	*	0.317	0.343	0.313	0.337	0.318	0.326	4.2*	
2-Hexanone		0.135	0.160	0.171	0.191	0.188	0.169	13.6	
Dibromochloromethane	*	0.374	0.412	0.363	0.415	0.387	0.390	5.9*	
1,2-Dibromoethane		0.323	0.364	0.318	0.363	0.341	0.342	6.4	
Chlorobenzene	*	0.944	1.069	0.926	1.010	0.927	0.975	6.4*	
Ethylbenzene	*	0.383	0.497	0.478	0.529	0.509	0.479	11.9*	
Xylene (Total)	*	0.429	0.565	0.562	0.631	0.591	0.556	13.7*	
Styrene	*	0.584	0.795	0.758	0.845	0.781	0.753	13.2*	
Bromoform	*	0.250	0.276	0.244	0.278	0.268	0.263	5.9*	
Isopropylbenzene		1.014	1.443	1.468	1.617	1.486	1.406	16.3	
1,1,2,2-Tetrachloroethane	*	0.357	0.439	0.339	0.398	0.337	0.374	11.7*	
1,3-Dichlorobenzene	*	0.602	0.756	0.738	0.858	0.800	0.751	12.7*	
1,4-Dichlorobenzene	*	0.651	0.837	0.801	0.914	0.836	0.808	12.0*	
1,2-Dichlorobenzene	*	0.602	0.765	0.744	0.835	0.778	0.745	11.7*	
1,2-Dibromo-3-chloropropane		0.070	0.086	0.073	0.088	0.080	0.079	10.1	
1,2,4-Trichlorobenzene	*	0.247	0.354	0.404	0.515	0.499	0.404	27.2*	<-
Toluene-d8		1.291	1.502	1.384	1.433	1.281	1.378	6.8	
Bromofluorobenzene	*	0.479	0.603	0.570	0.626	0.585	0.573	9.9*	
1,2-Dichloroethane-d4		2.974	3.123	2.904	3.143	2.968	3.022	3.5	

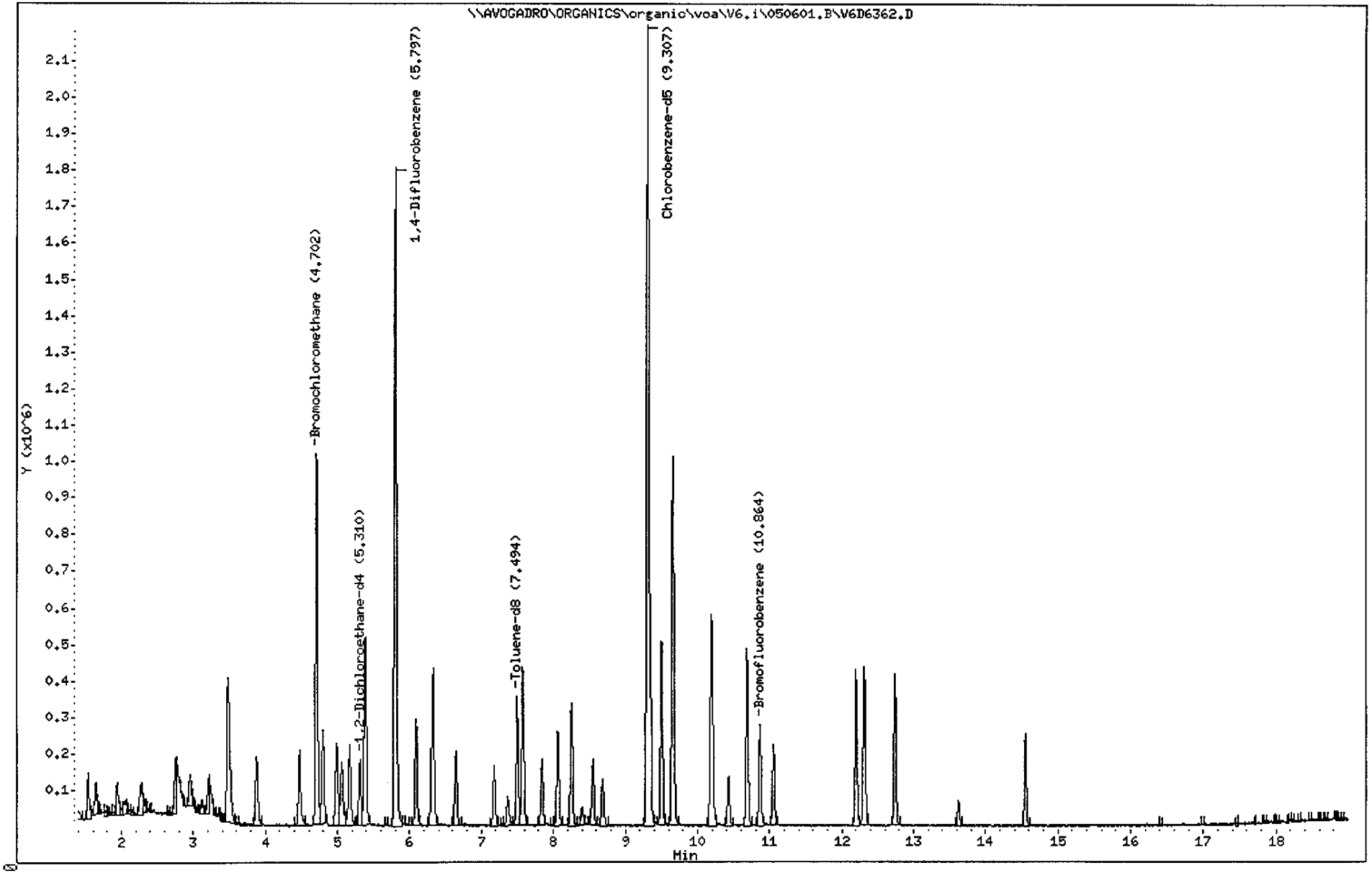
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6362.D
Date : 01-JUN-2005 10:39
Client ID: VSTD0106Q
Sample Info: ,VSTD0106Q,VSTD0106Q
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25

COPY
Original Documents Are Included in CSF_____
Signed:_____ Date:_____



0259

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6362.D
Report Date: 01-Jun-2005 12:38

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6362.D
Lab Smp Id: VSTD0106Q Client Smp ID: VSTD0106Q
Inj Date : 01-JUN-2005 10:39
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0106Q,VSTD0106Q
Misc Info : ,1,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\v6clp4s.m
Meth Date : 01-Jun-2005 12:38 mtl Quant Type: ISTD
Cal Date : 01-JUN-2005 10:12 Cal File: V6D6361.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.368	1.372	(0.291)	117436	10.0000	9(a)
2 Chloromethane	50	1.526	1.530	(0.324)	113671	10.0000	10
3 Vinyl Chloride	62	1.636	1.628	(0.347)	102266	10.0000	9(a)
4 Bromomethane	94	1.940	1.938	(0.412)	73378	10.0000	10
5 Chloroethane	64	2.050	2.035	(0.435)	52413	10.0000	10
6 Trichlorofluoromethane	101	2.281	2.266	(0.484)	106869	10.0000	8(a)
7 1,1-Dichloroethene	96	2.761	2.747	(0.587)	63853	10.0000	7(a)
9 Acetone	43	2.786	2.790	(0.592)	35971	10.0000	9(a)
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.761	2.771	(0.587)	70017	10.0000	9(a)
10 Carbon Disulfide	76	2.956	2.954	(0.628)	263096	10.0000	10
11 Methyl Acetate	43	3.114	3.112	(0.661)	54674	10.0000	10
12 Methylene Chloride	84	3.211	3.203	(0.682)	99806	10.0000	10
13 trans-1,2-Dichloroethene	96	3.473	3.471	(0.738)	109867	10.0000	10
14 Methyl tert-Butyl Ether	73	3.491	3.483	(0.742)	257259	10.0000	10
15 1,1-Dichloroethane	63	3.881	3.872	(0.824)	208725	10.0000	10
16 2-Butanone	43	4.483	4.481	(0.952)	45863	10.0000	9(a)

COPY
Original Documents Are Included in CSF_____
Signed:_____ Date:_____

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6362.D
Report Date: 01-Jun-2005 12:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.465	4.463	(0.948)	93265	10.0000	9(a)
*	18 Bromochloromethane	128	4.708	4.700	(1.000)	320217	50.0000	
	19 Chloroform	83	4.793	4.791	(1.018)	229128	10.0000	10
	20 1,1,1-Trichloroethane	97	4.988	4.986	(0.860)	178589	10.0000	10
	21 Cyclohexane	56	5.061	5.053	(0.873)	92625	10.0000	7(a)
	22 Carbon Tetrachloride	117	5.170	5.162	(0.892)	166196	10.0000	9(a)
$	23 1,2-Dichloroethane-d4	65	5.310	5.302	(1.128)	162965	10.0000	9(a)
	25 Benzene	78	5.377	5.375	(0.928)	346972	10.0000	9(a)
	24 1,2-Dichloroethane	62	5.389	5.381	(1.145)	212045	10.0000	10
*	26 1,4-Difluorobenzene	114	5.797	5.795	(1.000)	1507267	50.0000	
	27 Trichloroethene	130	6.089	6.087	(1.050)	114055	10.0000	9(a)
	28 Methylcyclohexane	83	6.302	6.312	(1.087)	90278	10.0000	8(a)
	29 1,2-Dichloropropane	63	6.326	6.324	(1.091)	104386	10.0000	10
	30 Bromodichloromethane	83	6.643	6.640	(1.146)	157362	10.0000	10
	31 cis-1,3-Dichloropropene	75	7.172	7.164	(1.237)	107192	10.0000	8(a)
	32 4-Methyl-2-Pentanone	43	7.366	7.358	(0.791)	70204	10.0000	8(a)
$	33 Toluene-d8	98	7.494	7.492	(0.805)	284042	10.0000	8(a)
	34 Toluene	91	7.573	7.571	(0.814)	384116	10.0000	9(a)
	35 trans-1,3-Dichloropropene	75	7.847	7.839	(1.354)	122913	10.0000	8(a)
	36 1,1,2-Trichloroethane	97	8.066	8.064	(1.391)	96674	10.0000	9(a)
	37 Tetrachloroethene	164	8.255	8.259	(0.887)	99438	10.0000	9(a)
	38 2-Hexanone	43	8.401	8.393	(0.903)	44948	10.0000	7(a)
	39 Dibromochloromethane	129	8.553	8.551	(1.475)	121988	10.0000	9(a)
	40 1,2-Dibromoethane	107	8.693	8.684	(0.934)	103402	10.0000	9(a)
*	42 Chlorobenzene-d5	117	9.307	9.305	(1.000)	1457062	50.0000	
	43 Chlorobenzene	112	9.344	9.341	(1.004)	297005	10.0000	9(a)
	44 Ethylbenzene	106	9.502	9.500	(1.021)	133929	10.0000	8(a)
	45 m,p-Xylene	106	9.666	9.664	(1.039)	364026	20.0000	18
	46 o-Xylene	106	10.189	10.187	(1.095)	140460	10.0000	8(a)
	47 Styrene	104	10.207	10.205	(1.097)	187354	10.0000	8(a)
	48 Bromoform	173	10.426	10.424	(1.799)	80511	10.0000	9(a)
	49 Isopropylbenzene	105	10.682	10.680	(1.148)	364601	10.0000	8(a)
$	50 Bromofluorobenzene	95	10.864	10.862	(1.167)	118511	10.0000	8(a)
	51 1,1,2,2-Tetrachloroethane	83	11.059	11.051	(1.188)	119644	10.0000	9(a)
M	41 Xylene (Total)	106				504486	10.0000	26
	52 1,3-Dichlorobenzene	146	12.203	12.207	(1.311)	204003	10.0000	8(a)
	53 1,4-Dichlorobenzene	146	12.312	12.310	(1.323)	215548	10.0000	8(a)
	54 1,2-Dichlorobenzene	146	12.738	12.742	(1.369)	212182	10.0000	8(a)
	55 1,2-Dibromo-3-chloropropane	75	13.626	13.624	(1.464)	22067	10.0000	8(a)
	56 1,2,4-Trichlorobenzene	180	14.551	14.549	(1.563)	85506	10.0000	6(a)

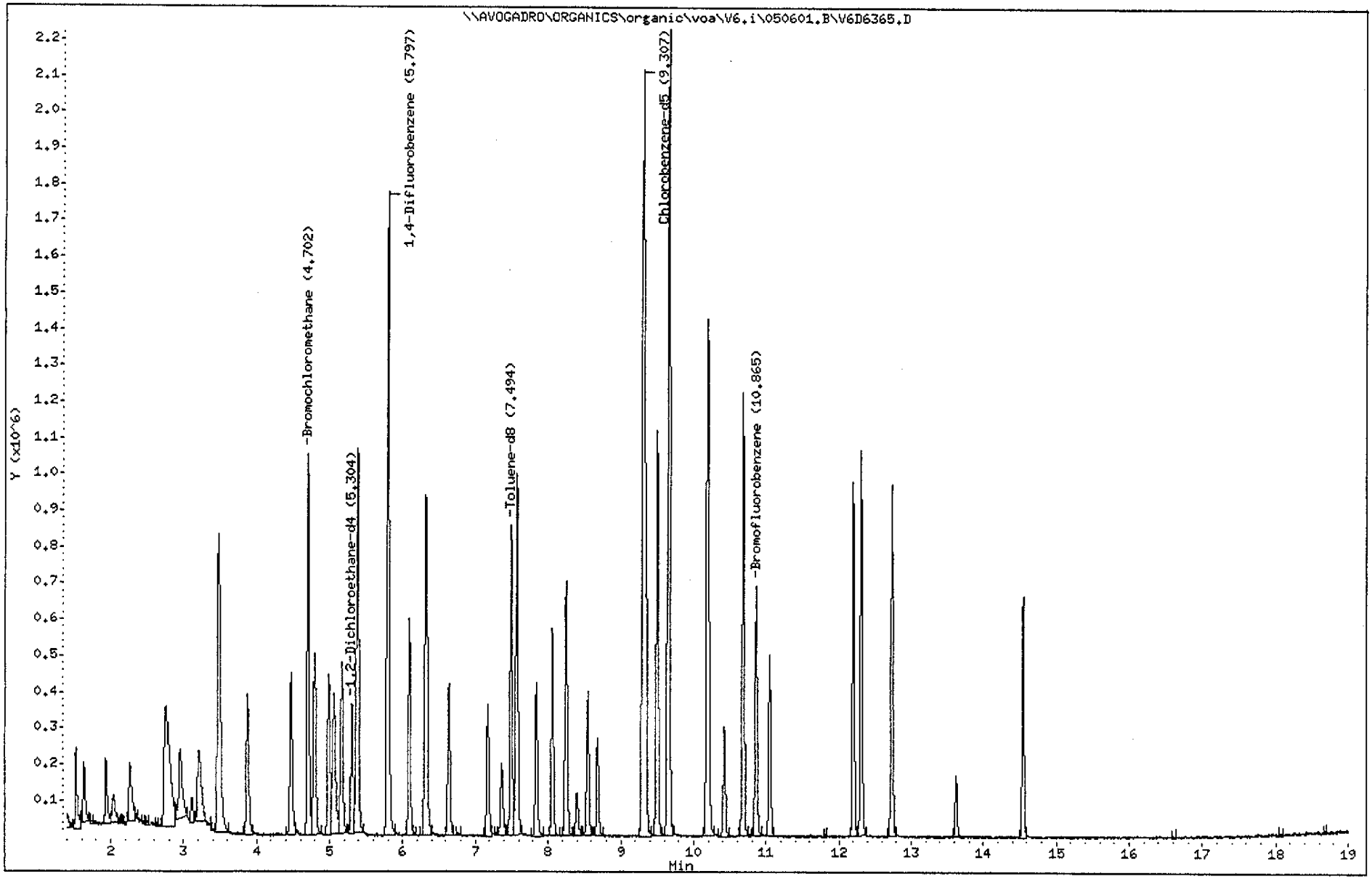
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

6/1/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6365.D
Date : 01-JUN-2005 12:02
Client ID: VSTD0206Q
Sample Info: ,VSTD0206Q,VSTD0206Q
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i
Operator: SB SRC: SB
Column diameter: 0.25



0262

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6365.D
Report Date: 01-Jun-2005 12:38

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6365.D
Lab Smp Id: VSTD0206Q Client Smp ID: VSTD0206Q
Inj Date : 01-JUN-2005 12:02
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0206Q,VSTD0206Q
Misc Info : ,1,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\v6clp4s.m
Meth Date : 01-Jun-2005 12:38 mtl Quant Type: ISTD
Cal Date : 01-JUN-2005 10:12 Cal File: V6D6361.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

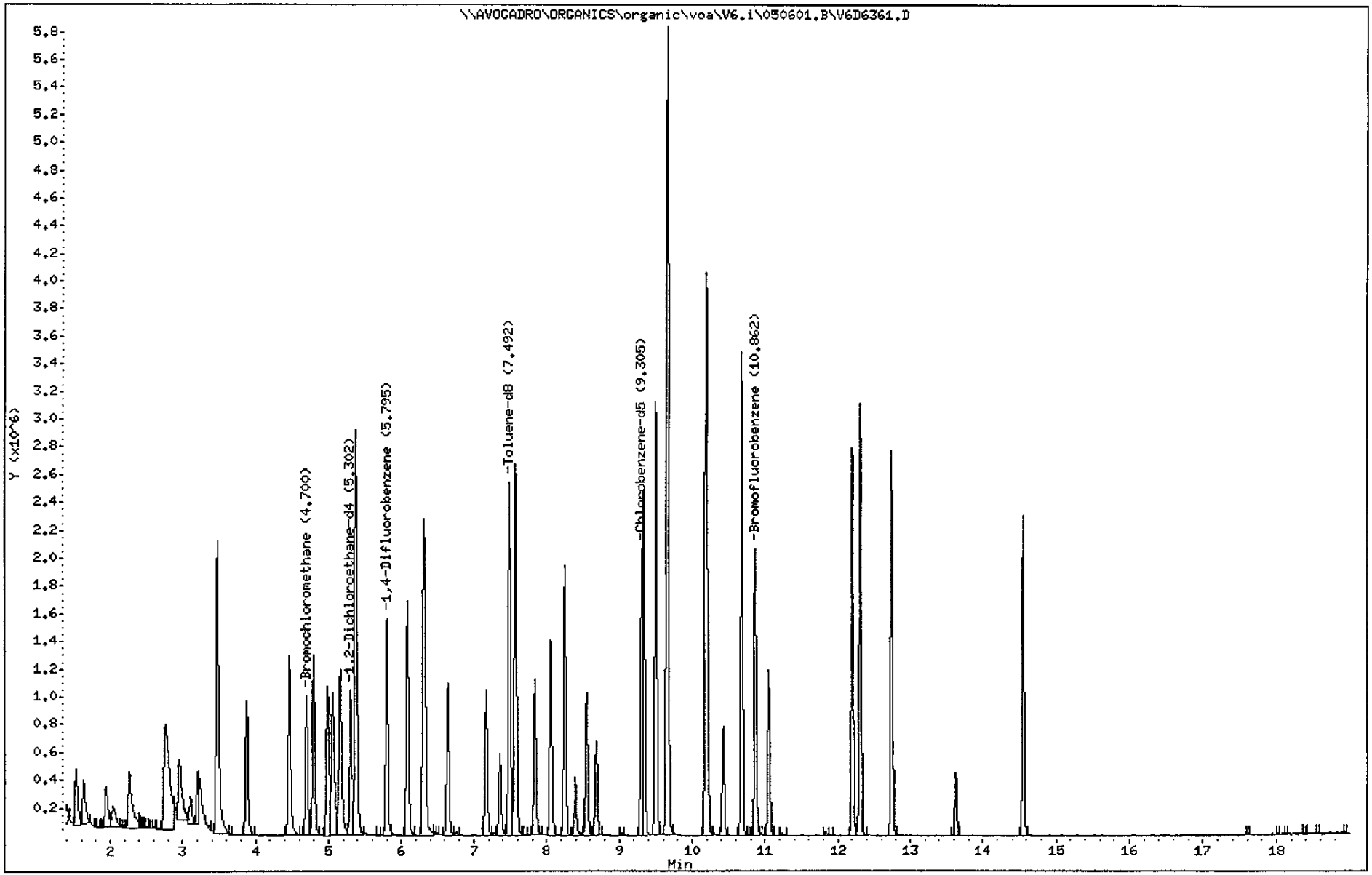
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.368	1.372	(0.291)	264715	20.0000	21
2 Chloromethane	50	1.527	1.530	(0.325)	221344	20.0000	20
3 Vinyl Chloride	62	1.630	1.628	(0.347)	217262	20.0000	20
4 Bromomethane	94	1.934	1.938	(0.411)	147754	20.0000	20
5 Chloroethane	64	2.031	2.035	(0.432)	105605	20.0000	19
6 Trichlorofluoromethane	101	2.263	2.266	(0.481)	273336	20.0000	19
7 1,1-Dichloroethene	96	2.749	2.747	(0.585)	179879	20.0000	20
9 Acetone	43	2.804	2.790	(0.596)	70801	20.0000	18
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.774	2.771	(0.590)	154454	20.0000	20
10 Carbon Disulfide	76	2.950	2.954	(0.627)	524720	20.0000	19
11 Methyl Acetate	43	3.120	3.112	(0.664)	107331	20.0000	18
12 Methylene Chloride	84	3.206	3.203	(0.682)	198595	20.0000	20
13 trans-1,2-Dichloroethene	96	3.473	3.471	(0.739)	223830	20.0000	20
14 Methyl tert-Butyl Ether	73	3.485	3.483	(0.741)	574676	20.0000	21
15 1,1-Dichloroethane	63	3.875	3.872	(0.824)	427211	20.0000	20
16 2-Butanone	43	4.483	4.481	(0.953)	100178	20.0000	19

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6365.D
Report Date: 01-Jun-2005 12:38

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17	cis-1,2-Dichloroethene	96	4.465	4.463	(0.950)	190166	20.0000	18
*	18	Bromochloromethane	128	4.702	4.700	(1.000)	324886	50.0000	
	19	Chloroform	83	4.793	4.791	(1.019)	446418	20.0000	19
	20	1,1,1-Trichloroethane	97	4.988	4.986	(0.860)	365589	20.0000	20
	21	Cyclohexane	56	5.055	5.053	(0.872)	230356	20.0000	18
	22	Carbon Tetrachloride	117	5.164	5.162	(0.891)	361735	20.0000	20
$	23	1,2-Dichloroethane-d4	65	5.310	5.302	(1.129)	330478	20.0000	18
	25	Benzene	78	5.377	5.375	(0.928)	730750	20.0000	19
	24	1,2-Dichloroethane	62	5.390	5.381	(1.146)	428165	20.0000	20
*	26	1,4-Difluorobenzene	114	5.797	5.795	(1.000)	1496877	50.0000	
	27	Trichloroethene	130	6.089	6.087	(1.050)	237637	20.0000	19
	28	Methylcyclohexane	83	6.308	6.312	(1.088)	221878	20.0000	19
	29	1,2-Dichloropropane	63	6.326	6.324	(1.091)	217646	20.0000	20
	30	Bromodichloromethane	83	6.643	6.640	(1.146)	328871	20.0000	20
	31	cis-1,3-Dichloropropene	75	7.166	7.164	(1.236)	237947	20.0000	18
	32	4-Methyl-2-Pentanone	43	7.361	7.358	(0.791)	171907	20.0000	20
$	33	Toluene-d8	98	7.494	7.492	(0.805)	686787	20.0000	19
	34	Toluene	91	7.574	7.571	(0.814)	843217	20.0000	20
	35	trans-1,3-Dichloropropene	75	7.841	7.839	(1.353)	285636	20.0000	19
	36	1,1,2-Trichloroethane	97	8.066	8.064	(1.391)	217107	20.0000	21
	37	Tetrachloroethene	164	8.255	8.259	(0.887)	204677	20.0000	19
	38	2-Hexanone	43	8.407	8.393	(0.903)	109096	20.0000	18
	39	Dibromochloromethane	129	8.553	8.551	(1.475)	264508	20.0000	20
	40	1,2-Dibromoethane	107	8.693	8.684	(0.934)	224185	20.0000	20
*	42	Chlorobenzene-d5	117	9.307	9.305	(1.000)	1465268	50.0000	
	43	Chlorobenzene	112	9.344	9.341	(1.004)	630378	20.0000	20
	44	Ethylbenzene	106	9.502	9.500	(1.021)	296687	20.0000	19
	45	m,p-Xylene	106	9.660	9.664	(1.038)	773732	40.0000	38
	46	o-Xylene	106	10.189	10.187	(1.095)	346509	20.0000	19
	47	Styrene	104	10.202	10.205	(1.096)	460136	20.0000	19
	48	Bromoform	173	10.421	10.424	(1.798)	179374	20.0000	20
	49	Isopropylbenzene	105	10.682	10.680	(1.148)	866018	20.0000	18
$	50	Bromofluorobenzene	95	10.859	10.862	(1.167)	275162	20.0000	18
	51	1,1,2,2-Tetrachloroethane	83	11.053	11.051	(1.188)	274936	20.0000	21
M	41	Xylene (Total)	106				1120241	20.0000	57
	52	1,3-Dichlorobenzene	146	12.203	12.207	(1.311)	472993	20.0000	19
	53	1,4-Dichlorobenzene	146	12.313	12.310	(1.323)	514348	20.0000	19
	54	1,2-Dichlorobenzene	146	12.744	12.742	(1.369)	471791	20.0000	19
	55	1,2-Dibromo-3-chloropropane	75	13.620	13.624	(1.463)	53655	20.0000	20
	56	1,2,4-Trichlorobenzene	180	14.551	14.549	(1.563)	233549	20.0000	17

SB
6/1/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6361.D
Date : 01-JUN-2005 10:12
Client ID: VSTD0506Q
Instrument: V6.i
Sample Info: ,VSTD0506Q,VSTD0506Q
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0265

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6361.D
Report Date: 01-Jun-2005 12:38

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6361.D
Lab Smp Id: VSTD0506Q Client Smp ID: VSTD0506Q
Inj Date : 01-JUN-2005 10:12
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0506Q,VSTD0506Q
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\v6clp4s.m
Meth Date : 01-Jun-2005 12:38 mtl Quant Type: ISTD
Cal Date : 01-JUN-2005 10:12 Cal File: V6D6361.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

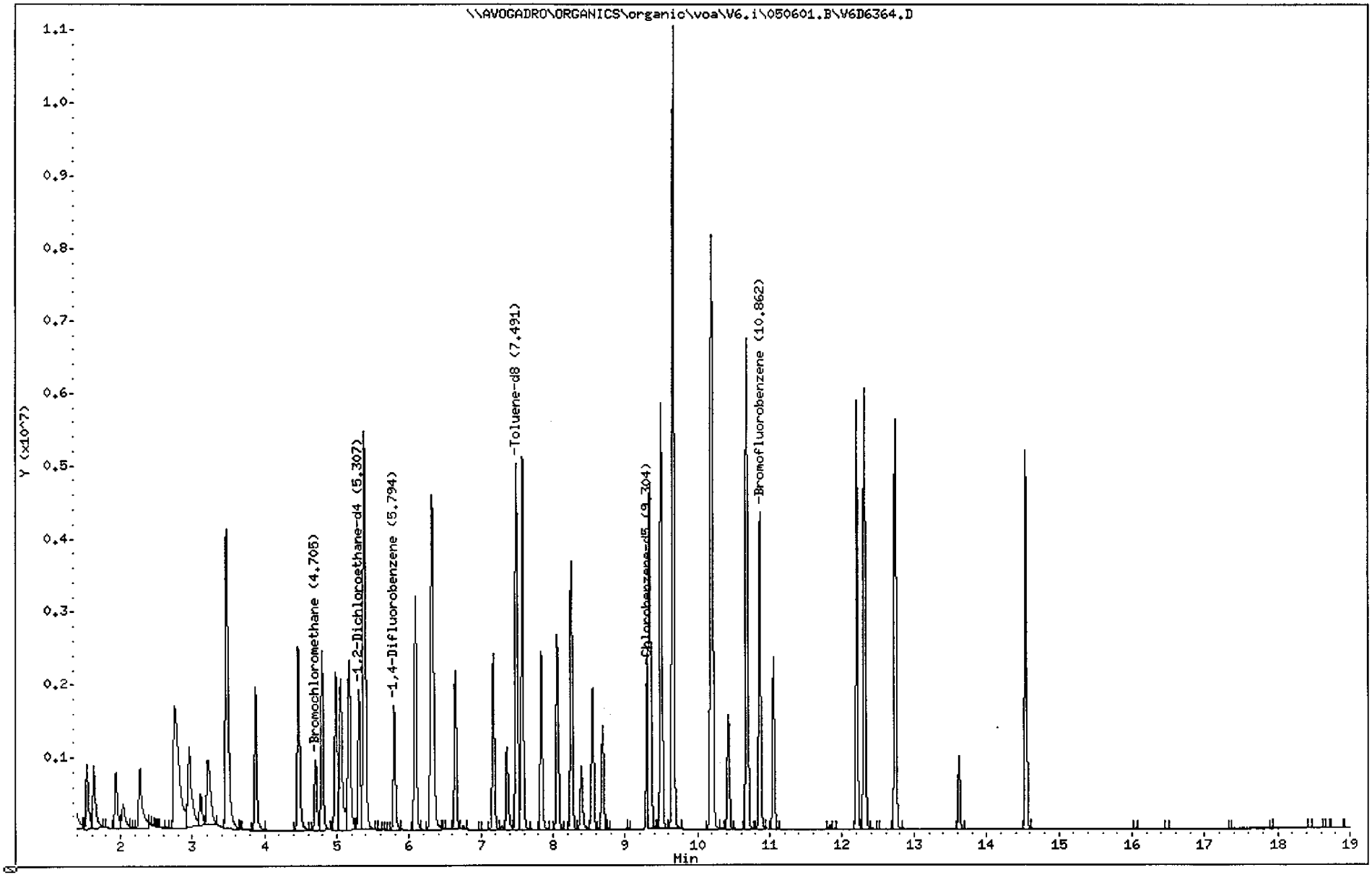
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.372	1.372	(0.292)	643739	50.0000	54
2	Chloromethane	50	1.530	1.530	(0.326)	539647	50.0000	52
3	Vinyl Chloride	62	1.628	1.628	(0.346)	536061	50.0000	52
4	Bromomethane	94	1.938	1.938	(0.412)	352990	50.0000	52
5	Chloroethane	64	2.035	2.035	(0.433)	277035	50.0000	54
6	Trichlorofluoromethane	101	2.266	2.266	(0.482)	808120	50.0000	60
7	1,1-Dichloroethene	96	2.747	2.747	(0.584)	450872	50.0000	55
9	Acetone	43	2.790	2.790	(0.594)	235404	50.0000	63
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.771	2.771	(0.590)	399526	50.0000	55
10	Carbon Disulfide	76	2.954	2.954	(0.629)	1386610	50.0000	54
11	Methyl Acetate	43	3.112	3.112	(0.662)	302867	50.0000	56
12	Methylene Chloride	84	3.203	3.203	(0.682)	464282	50.0000	51
13	trans-1,2-Dichloroethene	96	3.471	3.471	(0.739)	573503	50.0000	55
14	Methyl tert-Butyl Ether	73	3.483	3.483	(0.741)	1324485	50.0000	52
15	1,1-Dichloroethane	63	3.872	3.872	(0.824)	1079068	50.0000	54
16	2-Butanone	43	4.481	4.481	(0.953)	277940	50.0000	58

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6361.D
Report Date: 01-Jun-2005 12:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.463	4.463	(0.950)	542582	50.0000	55
*	18 Bromochloromethane	128	4.700	4.700	(1.000)	300788	50.0000	
	19 Chloroform	83	4.791	4.791	(1.019)	1168793	50.0000	55
	20 1,1,1-Trichloroethane	97	4.986	4.986	(0.860)	905382	50.0000	53
	21 Cyclohexane	56	5.053	5.053	(0.872)	731988	50.0000	60
	22 Carbon Tetrachloride	117	5.162	5.162	(0.891)	912667	50.0000	54
$	23 1,2-Dichloroethane-d4	65	5.302	5.302	(1.128)	938615	50.0000	56
	25 Benzene	78	5.375	5.375	(0.928)	2026947	50.0000	57
	24 1,2-Dichloroethane	62	5.381	5.381	(1.145)	1090985	50.0000	55
*	26 1,4-Difluorobenzene	114	5.795	5.795	(1.000)	1403800	50.0000	
	27 Trichloroethene	130	6.087	6.087	(1.050)	651726	50.0000	56
	28 Methylcyclohexane	83	6.312	6.312	(1.089)	621594	50.0000	56
	29 1,2-Dichloropropane	63	6.324	6.324	(1.091)	558717	50.0000	55
	30 Bromodichloromethane	83	6.640	6.640	(1.146)	843254	50.0000	55
	31 cis-1,3-Dichloropropene	75	7.164	7.164	(1.236)	688509	50.0000	54
	32 4-Methyl-2-Pentanone	43	7.358	7.358	(0.791)	473465	50.0000	58
$	33 Toluene-d8	98	7.492	7.492	(0.805)	1981151	50.0000	58
	34 Toluene	91	7.571	7.571	(0.814)	2300727	50.0000	57
	35 trans-1,3-Dichloropropene	75	7.839	7.839	(1.353)	747072	50.0000	53
	36 1,1,2-Trichloroethane	97	8.064	8.064	(1.392)	524267	50.0000	54
	37 Tetrachloroethene	164	8.259	8.259	(0.888)	544565	50.0000	55
	38 2-Hexanone	43	8.393	8.393	(0.902)	319559	50.0000	57
	39 Dibromochloromethane	129	8.551	8.551	(1.476)	698601	50.0000	56
	40 1,2-Dibromoethane	107	8.684	8.684	(0.933)	561266	50.0000	53
*	42 Chlorobenzene-d5	117	9.305	9.305	(1.000)	1361255	50.0000	
	43 Chlorobenzene	112	9.341	9.341	(1.004)	1646396	50.0000	56
	44 Ethylbenzene	106	9.500	9.500	(1.021)	851560	50.0000	57
	45 m,p-Xylene	106	9.664	9.664	(1.039)	2149403	100.000	110
	46 o-Xylene	106	10.187	10.187	(1.095)	1019673	50.0000	59
	47 Styrene	104	10.205	10.205	(1.097)	1315912	50.0000	58
	48 Bromoform	173	10.424	10.424	(1.799)	466048	50.0000	55
	49 Isopropylbenzene	105	10.680	10.680	(1.148)	2642584	50.0000	59
$	50 Bromofluorobenzene	95	10.862	10.862	(1.167)	831400	50.0000	58
	51 1,1,2,2-Tetrachloroethane	83	11.051	11.051	(1.188)	624910	50.0000	52
M	41 Xylene (Total)	106				3169076	50.0000	170
	52 1,3-Dichlorobenzene	146	12.207	12.207	(1.312)	1345807	50.0000	57
	53 1,4-Dichlorobenzene	146	12.310	12.310	(1.323)	1436122	50.0000	57
	54 1,2-Dichlorobenzene	146	12.742	12.742	(1.369)	1305975	50.0000	56
	55 1,2-Dibromo-3-chloropropane	75	13.624	13.624	(1.464)	134026	50.0000	53
	56 1,2,4-Trichlorobenzene	180	14.549	14.549	(1.564)	739748	50.0000	57

SB 6/1/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6364.D
Date : 01-JUN-2005 11:34
Client ID: VSTD1006Q
Instrument: V6.i
Sample Info: ,VSTD1006Q,VSTD1006Q
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



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0268

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6364.D
Report Date: 01-Jun-2005 12:38

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6364.D
Lab Smp Id: VSTD1006Q Client Smp ID: VSTD1006Q
Inj Date : 01-JUN-2005 11:34
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD1006Q,VSTD1006Q
Misc Info : ,1,4
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\v6clp4s.m
Meth Date : 01-Jun-2005 12:38 mtl Quant Type: ISTD
Cal Date : 01-JUN-2005 10:12 Cal File: V6D6361.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

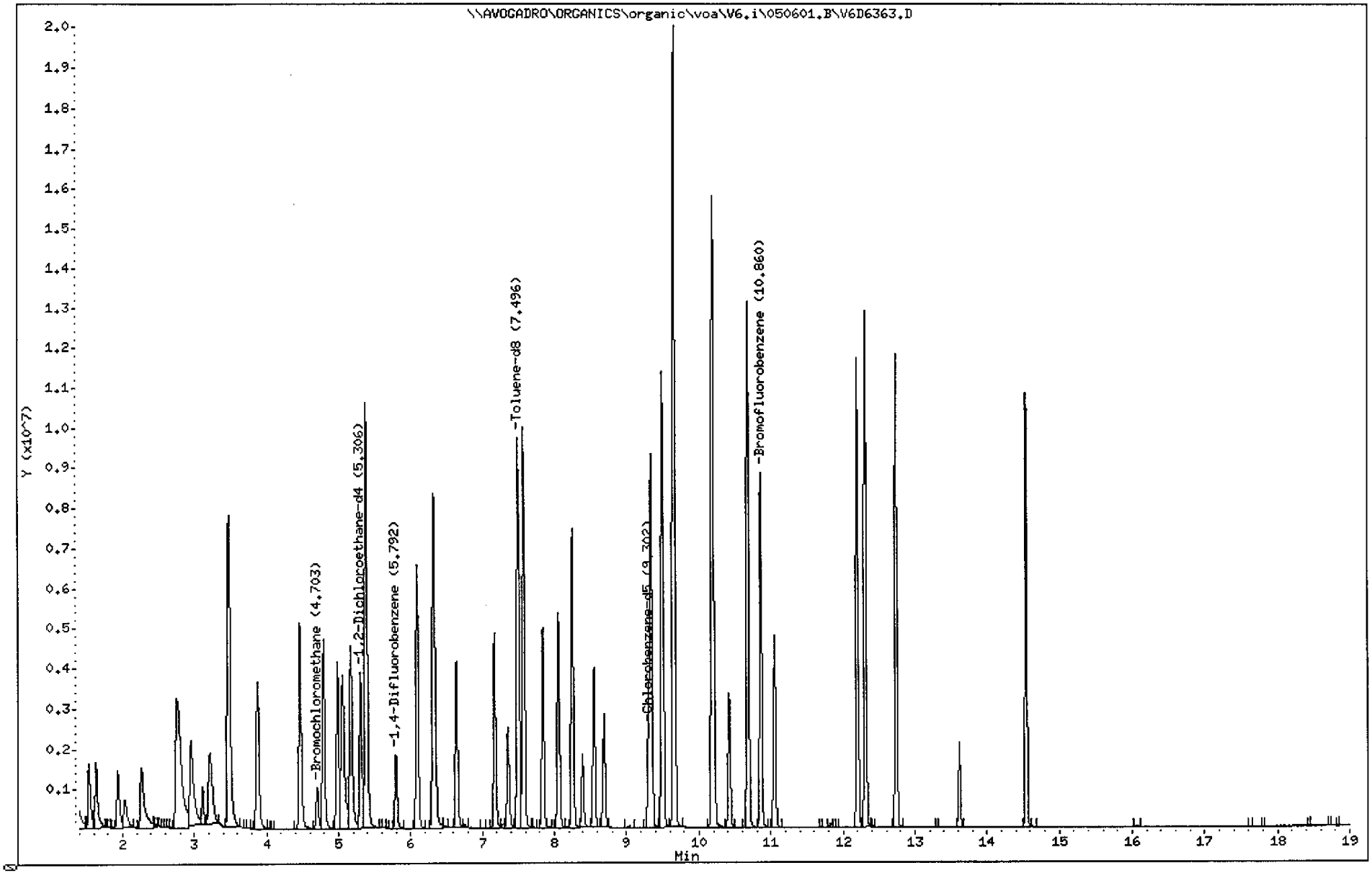
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.371	1.372	(0.291)	1287966	100.000	100
2 Chloromethane	50	1.530	1.530	(0.325)	1097019	100.000	100
3 Vinyl Chloride	62	1.627	1.628	(0.346)	1161741	100.000	110
4 Bromomethane	94	1.937	1.938	(0.412)	701919	100.000	100
5 Chloroethane	64	2.035	2.035	(0.432)	533689	100.000	100
6 Trichlorofluoromethane	101	2.272	2.266	(0.483)	1518620	100.000	110
7 1,1-Dichloroethene	96	2.752	2.747	(0.585)	955417	100.000	110
9 Acetone	43	2.789	2.790	(0.593)	374932	100.000	97
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.777	2.771	(0.590)	832079	100.000	110
10 Carbon Disulfide	76	2.953	2.954	(0.628)	2801300	100.000	100
11 Methyl Acetate	43	3.111	3.112	(0.661)	573801	100.000	100
12 Methylene Chloride	84	3.215	3.203	(0.683)	933560	100.000	99
13 trans-1,2-Dichloroethene	96	3.470	3.471	(0.738)	1080687	100.000	100
14 Methyl tert-Butyl Ether	73	3.488	3.483	(0.741)	2663118	100.000	100
15 1,1-Dichloroethane	63	3.878	3.872	(0.824)	2118952	100.000	100
16 2-Butanone	43	4.480	4.481	(0.952)	499029	100.000	100

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6364.D
Report Date: 01-Jun-2005 12:38

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17	cis-1,2-Dichloroethene	96	4.462	4.463	(0.948)	1078604	100.000	110
*	18	Bromochloromethane	128	4.705	4.700	(1.000)	310813	50.0000	
	19	Chloroform	83	4.790	4.791	(1.018)	2215679	100.000	100
	20	1,1,1-Trichloroethane	97	4.985	4.986	(0.860)	1822100	100.000	100
	21	Cyclohexane	56	5.058	5.053	(0.873)	1452173	100.000	120
	22	Carbon Tetrachloride	117	5.167	5.162	(0.892)	1808661	100.000	110
$	23	1,2-Dichloroethane-d4	65	5.307	5.302	(1.128)	1790279	100.000	100
	25	Benzene	78	5.374	5.375	(0.928)	3835306	100.000	110
	24	1,2-Dichloroethane	62	5.386	5.381	(1.145)	2057732	100.000	100
*	26	1,4-Difluorobenzene	114	5.794	5.795	(1.000)	1434097	50.0000	
	27	Trichloroethene	130	6.086	6.087	(1.050)	1241917	100.000	110
	28	Methylcyclohexane	83	6.311	6.312	(1.089)	1343492	100.000	120
	29	1,2-Dichloropropane	63	6.323	6.324	(1.091)	1066244	100.000	100
	30	Bromodichloromethane	83	6.640	6.640	(1.146)	1630562	100.000	100
	31	cis-1,3-Dichloropropene	75	7.169	7.164	(1.237)	1508176	100.000	120
	32	4-Methyl-2-Pentanone	43	7.357	7.358	(0.791)	887604	100.000	110
$	33	Toluene-d8	98	7.491	7.492	(0.805)	3982517	100.000	110
	34	Toluene	91	7.577	7.571	(0.814)	4392899	100.000	110
	35	trans-1,3-Dichloropropene	75	7.838	7.839	(1.353)	1609766	100.000	110
	36	1,1,2-Trichloroethane	97	8.063	8.064	(1.392)	1019672	100.000	100
	37	Tetrachloroethene	164	8.258	8.259	(0.888)	1077720	100.000	110
	38	2-Hexanone	43	8.392	8.393	(0.902)	659428	100.000	110
	39	Dibromochloromethane	129	8.550	8.551	(1.476)	1356076	100.000	110
	40	1,2-Dibromoethane	107	8.690	8.684	(0.934)	1149744	100.000	110
*	42	Chlorobenzene-d5	117	9.304	9.305	(1.000)	1397118	50.0000	
	43	Chlorobenzene	112	9.341	9.341	(1.004)	3184541	100.000	100
	44	Ethylbenzene	106	9.499	9.500	(1.021)	1682084	100.000	110
	45	m,p-Xylene	106	9.663	9.664	(1.039)	4143322	200.000	220
	46	o-Xylene	106	10.186	10.187	(1.095)	1995594	100.000	110
	47	Styrene	104	10.205	10.205	(1.097)	2668093	100.000	110
	48	Bromoform	173	10.424	10.424	(1.799)	911918	100.000	100
	49	Isopropylbenzene	105	10.679	10.680	(1.148)	5316487	100.000	120
$	50	Bromofluorobenzene	95	10.862	10.862	(1.167)	1688297	100.000	110
	51	1,1,2,2-Tetrachloroethane	83	11.056	11.051	(1.188)	1264718	100.000	100
M	41	Xylene (Total)	106				6138916	100.000	330
	52	1,3-Dichlorobenzene	146	12.200	12.207	(1.311)	2736269	100.000	110
	53	1,4-Dichlorobenzene	146	12.309	12.310	(1.323)	2889513	100.000	110
	54	1,2-Dichlorobenzene	146	12.741	12.742	(1.369)	2676866	100.000	110
	55	1,2-Dibromo-3-chloropropane	75	13.623	13.624	(1.464)	293008	100.000	110
	56	1,2,4-Trichlorobenzene	180	14.548	14.549	(1.564)	1663306	100.000	120

SB 6/1/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6363.D
Date : 01-JUN-2005 11:07
Client ID: VSTD2006Q
Instrument: V6.i
Sample Info: ,VSTD2006Q,VSTD2006Q
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



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Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6363.D
Report Date: 01-Jun-2005 12:38

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6363.D
Lab Smp Id: VSTD2006Q Client Smp ID: VSTD2006Q
Inj Date : 01-JUN-2005 11:07
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD2006Q,VSTD2006Q
Misc Info : ,1,5
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\v6clp4s.m
Meth Date : 01-Jun-2005 12:38 mtl Quant Type: ISTD
Cal Date : 01-JUN-2005 10:12 Cal File: V6D6361.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.369	1.372	(0.291)	2418397	200.000	190
2 Chloromethane	50	1.528	1.530	(0.325)	2194491	200.000	190
3 Vinyl Chloride	62	1.631	1.628	(0.347)	2170807	200.000	190
4 Bromomethane	94	1.929	1.938	(0.410)	1365478	200.000	180
5 Chloroethane	64	2.033	2.035	(0.432)	1081508	200.000	190
6 Trichlorofluoromethane	101	2.270	2.266	(0.483)	2928716	200.000	200
7 1,1-Dichloroethene	96	2.757	2.747	(0.586)	1890034	200.000	210(A)
9 Acetone	43	2.787	2.790	(0.593)	802348	200.000	200
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.769	2.771	(0.589)	1496583	200.000	190
10 Carbon Disulfide	76	2.951	2.954	(0.627)	5571931	200.000	200
11 Methyl Acetate	43	3.109	3.112	(0.661)	1137954	200.000	190
12 Methylene Chloride	84	3.219	3.203	(0.684)	1867437	200.000	190
13 trans-1,2-Dichloroethene	96	3.468	3.471	(0.737)	2065222	200.000	180
14 Methyl tert-Butyl Ether	73	3.481	3.483	(0.740)	5260633	200.000	190
15 1,1-Dichloroethane	63	3.876	3.872	(0.824)	4133344	200.000	190
16 2-Butanone	43	4.472	4.481	(0.951)	992561	200.000	190

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6363.D
Report Date: 01-Jun-2005 12:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.460	4.463	(0.948)	2205493	200.000	210(A)
*	18 Bromochloromethane	128	4.703	4.700	(1.000)	329396	50.0000	
	19 Chloroform	83	4.788	4.791	(1.018)	4366546	200.000	190
	20 1,1,1-Trichloroethane	97	4.983	4.986	(0.859)	3596552	200.000	180
	21 Cyclohexane	56	5.050	5.053	(0.871)	2860120	200.000	200
	22 Carbon Tetrachloride	117	5.166	5.162	(0.891)	3618234	200.000	190
$	23 1,2-Dichloroethane-d4	65	5.306	5.302	(1.128)	3634087	200.000	200
	25 Benzene	78	5.372	5.375	(0.927)	7335493	200.000	180
	24 1,2-Dichloroethane	62	5.385	5.381	(1.145)	4047434	200.000	180
*	26 1,4-Difluorobenzene	114	5.798	5.795	(1.000)	1621061	50.0000	
	27 Trichloroethene	130	6.084	6.087	(1.049)	2495967	200.000	190
	28 Methylcyclohexane	83	6.309	6.312	(1.088)	2451505	200.000	190
	29 1,2-Dichloropropane	63	6.322	6.324	(1.090)	2117796	200.000	180
	30 Bromodichloromethane	83	6.644	6.640	(1.146)	3265953	200.000	180
	31 cis-1,3-Dichloropropene	75	7.167	7.164	(1.236)	3125492	200.000	210(A)
	32 4-Methyl-2-Pentanone	43	7.356	7.358	(0.791)	1864531	200.000	200
$	33 Toluene-d8	98	7.496	7.492	(0.806)	7777107	200.000	200
	34 Toluene	91	7.575	7.571	(0.814)	8570287	200.000	180
	35 trans-1,3-Dichloropropene	75	7.842	7.839	(1.353)	3339871	200.000	210(A)
	36 1,1,2-Trichloroethane	97	8.061	8.064	(1.390)	2027015	200.000	180
	37 Tetrachloroethene	164	8.256	8.259	(0.888)	2113624	200.000	180
	38 2-Hexanone	43	8.390	8.393	(0.902)	1379028	200.000	210(A)
	39 Dibromochloromethane	129	8.554	8.551	(1.475)	2752780	200.000	190
	40 1,2-Dibromoethane	107	8.688	8.684	(0.934)	2349834	200.000	190
*	42 Chlorobenzene-d5	117	9.302	9.305	(1.000)	1583876	50.0000	
	43 Chlorobenzene	112	9.345	9.341	(1.005)	6325235	200.000	180
	44 Ethylbenzene	106	9.503	9.500	(1.022)	3386499	200.000	200
	45 m,p-Xylene	106	9.661	9.664	(1.039)	7967002	400.000	370
	46 o-Xylene	106	10.184	10.187	(1.095)	4004032	200.000	200
	47 Styrene	104	10.203	10.205	(1.097)	5238757	200.000	200
	48 Bromoform	173	10.422	10.424	(1.797)	1948422	200.000	200
	49 Isopropylbenzene	105	10.677	10.680	(1.148)	10220468	200.000	200
$	50 Bromofluorobenzene	95	10.860	10.862	(1.167)	3479589	200.000	210(A)
	51 1,1,2,2-Tetrachloroethane	83	11.054	11.051	(1.188)	2556241	200.000	180
M	41 Xylene (Total)	106				11971034	200.000	560
	52 1,3-Dichlorobenzene	146	12.204	12.207	(1.312)	5536532	200.000	200
	53 1,4-Dichlorobenzene	146	12.308	12.310	(1.323)	5828366	200.000	200
	54 1,2-Dichlorobenzene	146	12.740	12.742	(1.369)	5360125	200.000	200
	55 1,2-Dibromo-3-chloropropane	75	13.622	13.624	(1.464)	593744	200.000	200
	56 1,2,4-Trichlorobenzene	180	14.546	14.549	(1.564)	3556254	200.000	230(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

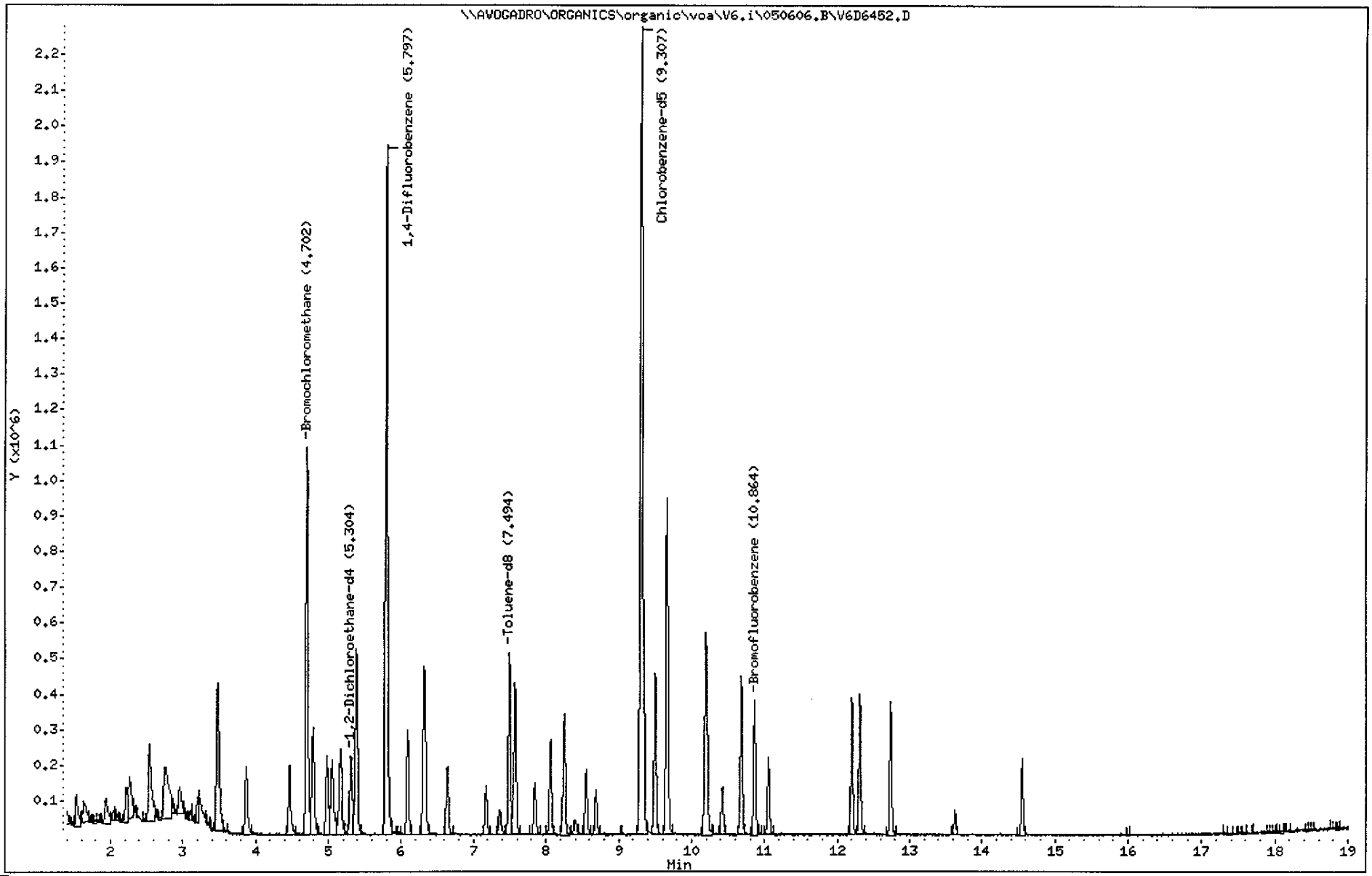
SB 6/1/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6452.D
Date : 06-JUN-2005 10:22
Client ID: VSTD0106X
Sample Info: ,VSTD0106X,VSTD0106X
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25

COPY
Original Documents Are Included in CSF_____
Signed:_____ Date:_____



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Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6452.D
Report Date: 07-Jun-2005 10:14

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6452.D
Lab Smp Id: VSTD0106X Client Smp ID: VSTD0106X
Inj Date : 06-JUN-2005 10:22
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0106X,VSTD0106X
Misc Info : ,1,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\v6clp4s.m
Meth Date : 06-Jun-2005 12:33 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 09:40 Cal File: V6D6451.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4_THF.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.374	1.372	(0.292)	128345	10.0000	10
2 Chloromethane	50	1.526	1.530	(0.325)	117310	10.0000	10
3 Vinyl Chloride	62	1.630	1.634	(0.347)	103735	10.0000	10
4 Bromomethane	94	1.946	1.950	(0.414)	73472	10.0000	10
5 Chloroethane	64	2.031	2.053	(0.432)	53766	10.0000	10
6 Trichlorofluoromethane	101	2.275	2.266	(0.484)	129692	10.0000	9(a)
7 1,1-Dichloroethene	96	2.749	2.753	(0.585)	87391	10.0000	10
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.761	2.765	(0.587)	66424	10.0000	8(a)
9 Acetone	43	2.798	2.796	(0.595)	50114	10.0000	12
10 Carbon Disulfide	76	2.950	2.954	(0.627)	278976	10.0000	10
11 Methyl Acetate	43	3.108	3.106	(0.661)	66230	10.0000	11
12 Methylene Chloride	84	3.212	3.221	(0.683)	98649	10.0000	10
13 trans-1,2-Dichloroethene	96	3.467	3.465	(0.737)	119402	10.0000	10
14 Methyl tert-Butyl Ether	73	3.479	3.483	(0.740)	257278	10.0000	10
15 1,1-Dichloroethane	63	3.875	3.872	(0.824)	205797	10.0000	10
17 cis-1,2-Dichloroethene	96	4.459	4.463	(0.948)	90145	10.0000	9(a)

COPY
Original Documents Are Included in CSF_____
Signed:_____ Date:_____

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6452.D
Report Date: 07-Jun-2005 10:14

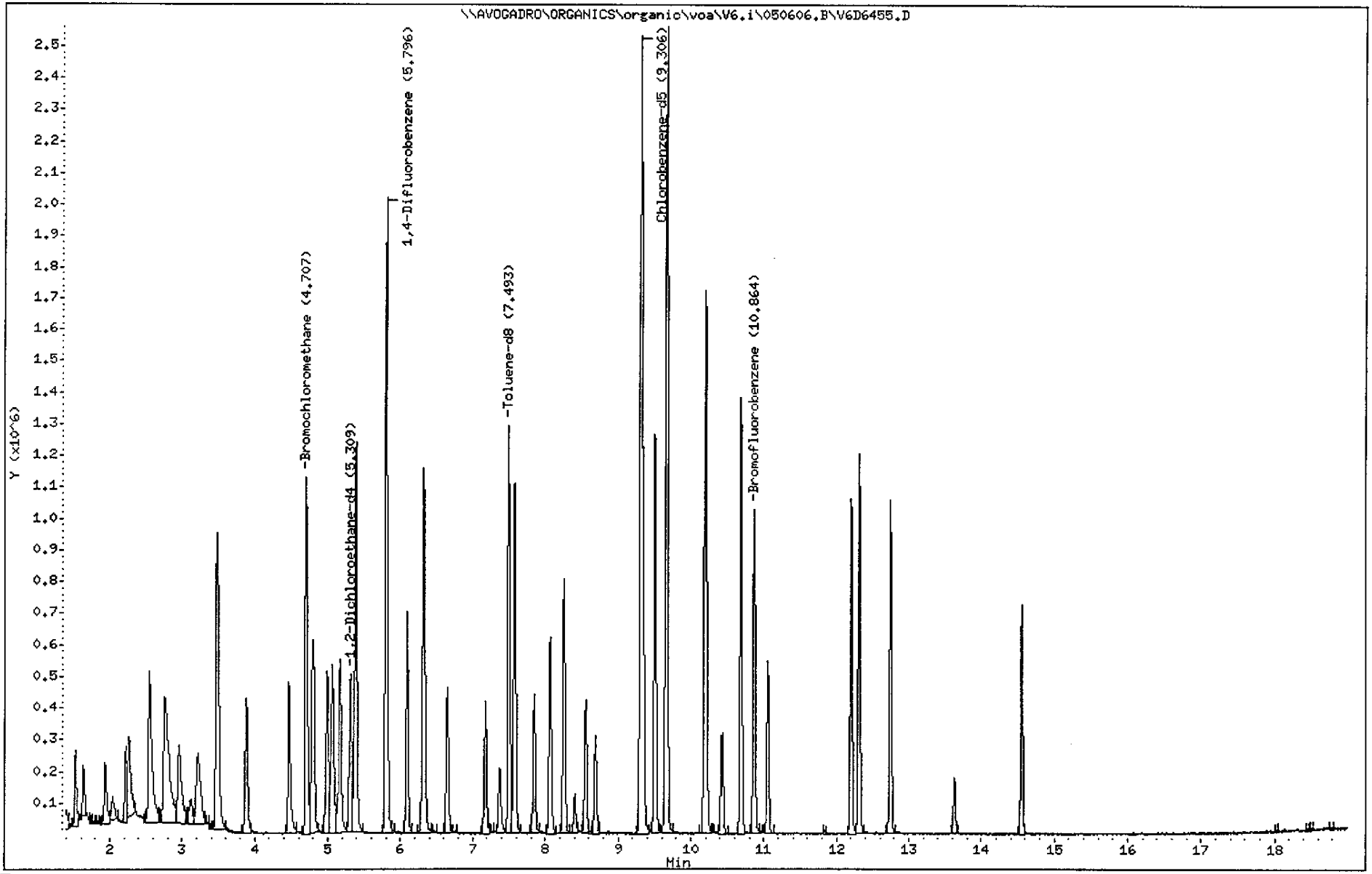
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 2-Butanone	43	4.489	4.475	(0.955)	40075	10.0000	9(a)
*	18 Bromochloromethane	128	4.702	4.700	(1.000)	363223	50.0000	
	76 Tetrahydrofuran	72	4.775	4.773	(1.016)	9723	50.0000	44(a)
	19 Chloroform	83	4.787	4.791	(1.018)	246092	10.0000	10
	20 1,1,1-Trichloroethane	97	4.982	4.986	(0.859)	177302	10.0000	10
	21 Cyclohexane	56	5.055	5.053	(0.872)	101532	10.0000	8(a)
	22 Carbon Tetrachloride	117	5.164	5.162	(0.891)	175430	10.0000	10
$	23 1,2-Dichloroethane-d4	65	5.304	5.302	(1.128)	216016	10.0000	10
	25 Benzene	78	5.377	5.375	(0.928)	345574	10.0000	10
	24 1,2-Dichloroethane	62	5.389	5.381	(1.146)	213878	10.0000	10
*	26 1,4-Difluorobenzene	114	5.797	5.795	(1.000)	1649211	50.0000	
	27 Trichloroethene	130	6.089	6.087	(1.050)	121090	10.0000	10
	28 Methylcyclohexane	83	6.302	6.306	(1.087)	109578	10.0000	9(a)
	29 1,2-Dichloropropane	63	6.320	6.324	(1.090)	111471	10.0000	10
	30 Bromodichloromethane	83	6.643	6.640	(1.146)	156517	10.0000	10
	31 cis-1,3-Dichloropropene	75	7.172	7.170	(1.237)	90506	10.0000	9(a)
	32 4-Methyl-2-Pentanone	43	7.354	7.358	(0.790)	62767	10.0000	9(a)
$	33 Toluene-d8	98	7.494	7.492	(0.805)	407163	10.0000	10
	34 Toluene	91	7.573	7.571	(0.814)	370741	10.0000	9(a)
	35 trans-1,3-Dichloropropene	75	7.847	7.845	(1.354)	109274	10.0000	9(a)
	36 1,1,2-Trichloroethane	97	8.066	8.064	(1.391)	102122	10.0000	10
	37 Tetrachloroethene	164	8.255	8.259	(0.887)	99930	10.0000	10
	38 2-Hexanone	43	8.401	8.399	(0.903)	42447	10.0000	9(a)
	39 Dibromochloromethane	129	8.553	8.557	(1.475)	123295	10.0000	10
	40 1,2-Dibromoethane	107	8.693	8.691	(0.934)	101763	10.0000	10
*	42 Chlorobenzene-d5	117	9.307	9.305	(1.000)	1577535	50.0000	
	43 Chlorobenzene	112	9.344	9.341	(1.004)	297924	10.0000	10
	44 Ethylbenzene	106	9.502	9.506	(1.021)	120899	10.0000	9(a)
	45 m,p-Xylene	106	9.666	9.664	(1.039)	343492	20.0000	19
	46 o-Xylene	106	10.189	10.187	(1.095)	135291	10.0000	9(a)
	47 Styrene	104	10.207	10.205	(1.097)	184113	10.0000	9(a)
	48 Bromoform	173	10.420	10.424	(1.798)	82379	10.0000	10
	49 Isopropylbenzene	105	10.682	10.680	(1.148)	319877	10.0000	8(a)
$	50 Bromofluorobenzene	95	10.864	10.862	(1.167)	150977	10.0000	9(a)
	51 1,1,2,2-Tetrachloroethane	83	11.053	11.057	(1.188)	112774	10.0000	10
M	41 Xylene (Total)	106				478783	10.0000	28
	52 1,3-Dichlorobenzene	146	12.203	12.201	(1.311)	189830	10.0000	9(a)
	53 1,4-Dichlorobenzene	146	12.312	12.310	(1.323)	205363	10.0000	9(a)
	54 1,2-Dichlorobenzene	146	12.738	12.742	(1.369)	189801	10.0000	9(a)
	55 1,2-Dibromo-3-chloropropane	75	13.626	13.624	(1.464)	21949	10.0000	10
	56 1,2,4-Trichlorobenzene	180	14.551	14.555	(1.563)	78084	10.0000	8(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SB 6/7/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6455.D
Date : 06-JUN-2005 12:01
Client ID: VSTD0206X
Instrument: V6.i
Sample Info: ,VSTD0206X,VSTD0206X
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0277

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6455.D
Report Date: 07-Jun-2005 10:14

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6455.D
Lab Smp Id: VSTD0206X Client Smp ID: VSTD0206X
Inj Date : 06-JUN-2005 12:01
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0206X,VSTD0206X
Misc Info : ,1,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\v6clp4s.m
Meth Date : 06-Jun-2005 12:33 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 09:40 Cal File: V6D6451.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4_THF.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

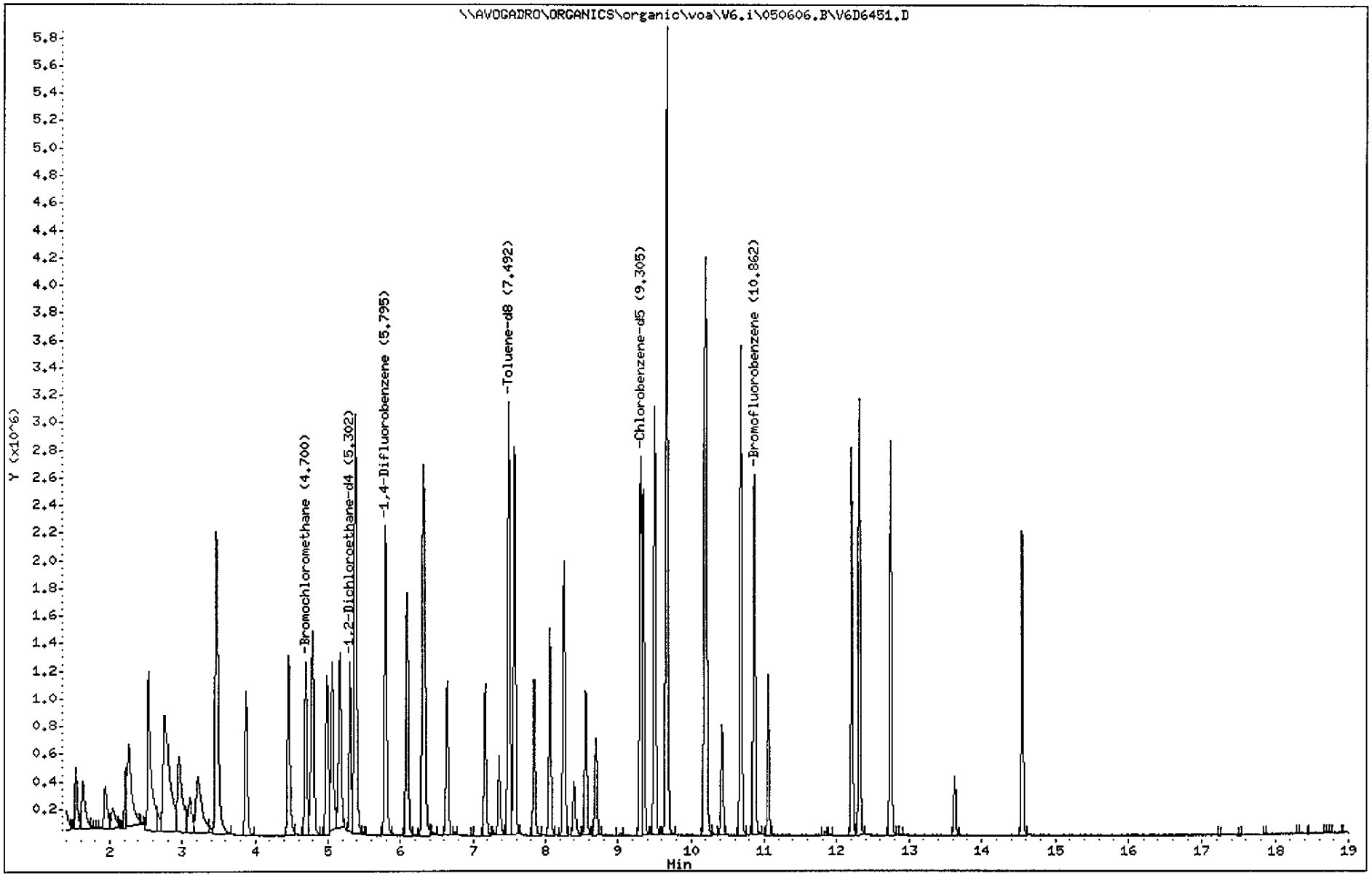
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.367	1.372	(0.290)	341534	20.0000	23
2 Chloromethane	50	1.526	1.530	(0.324)	250974	20.0000	21
3 Vinyl Chloride	62	1.629	1.634	(0.346)	256533	20.0000	21
4 Bromomethane	94	1.933	1.950	(0.411)	157323	20.0000	23
5 Chloroethane	64	2.037	2.053	(0.433)	116341	20.0000	22
6 Trichlorofluoromethane	101	2.268	2.266	(0.482)	321803	20.0000	21
7 1,1-Dichloroethene	96	2.748	2.753	(0.584)	200160	20.0000	21
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.767	2.765	(0.588)	207820	20.0000	23
9 Acetone	43	2.797	2.796	(0.594)	62248	20.0000	17
10 Carbon Disulfide	76	2.955	2.954	(0.628)	624802	20.0000	21
11 Methyl Acetate	43	3.113	3.106	(0.661)	133595	20.0000	22
12 Methylene Chloride	84	3.223	3.221	(0.685)	227376	20.0000	22
13 trans-1,2-Dichloroethene	96	3.472	3.465	(0.738)	256311	20.0000	22
14 Methyl tert-Butyl Ether	73	3.490	3.483	(0.742)	628792	20.0000	22
15 1,1-Dichloroethane	63	3.880	3.872	(0.824)	482547	20.0000	21
17 cis-1,2-Dichloroethene	96	4.464	4.463	(0.948)	216006	20.0000	20

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6455.D
Report Date: 07-Jun-2005 10:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 2-Butanone	43	4.488	4.475	(0.953)	91024	20.0000	19
*	18 Bromochloromethane	128	4.707	4.700	(1.000)	370590	50.0000	
	76 Tetrahydrofuran	72	4.774	4.773	(1.014)	24477	100.000	94
	19 Chloroform	83	4.792	4.791	(1.018)	524065	20.0000	21
	20 1,1,1-Trichloroethane	97	4.987	4.986	(0.860)	425289	20.0000	22
	21 Cyclohexane	56	5.054	5.053	(0.872)	313254	20.0000	20
	22 Carbon Tetrachloride	117	5.170	5.162	(0.892)	431261	20.0000	23
$	23 1,2-Dichloroethane-d4	65	5.309	5.302	(1.128)	462959	20.0000	21
	25 Benzene	78	5.376	5.375	(0.928)	857019	20.0000	22
	24 1,2-Dichloroethane	62	5.388	5.381	(1.145)	486917	20.0000	22
*	26 1,4-Difluorobenzene	114	5.796	5.795	(1.000)	1743818	50.0000	
	27 Trichloroethene	130	6.088	6.087	(1.050)	266996	20.0000	20
	28 Methylcyclohexane	83	6.313	6.306	(1.089)	306272	20.0000	21
	29 1,2-Dichloropropane	63	6.325	6.324	(1.091)	246835	20.0000	22
	30 Bromodichloromethane	83	6.642	6.640	(1.146)	368228	20.0000	22
	31 cis-1,3-Dichloropropene	75	7.171	7.170	(1.237)	275790	20.0000	21
	32 4-Methyl-2-Pentanone	43	7.366	7.358	(0.791)	171969	20.0000	20
$	33 Toluene-d8	98	7.493	7.492	(0.805)	1023816	20.0000	22
	34 Toluene	91	7.579	7.571	(0.814)	966798	20.0000	22
	35 trans-1,3-Dichloropropene	75	7.840	7.845	(1.353)	307889	20.0000	21
	36 1,1,2-Trichloroethane	97	8.065	8.064	(1.391)	237829	20.0000	22
	37 Tetrachloroethene	164	8.260	8.259	(0.888)	233996	20.0000	21
	38 2-Hexanone	43	8.400	8.399	(0.903)	109122	20.0000	19
	39 Dibromochloromethane	129	8.558	8.557	(1.477)	287596	20.0000	21
	40 1,2-Dibromoethane	107	8.692	8.691	(0.934)	248012	20.0000	21
*	42 Chlorobenzene-d5	117	9.306	9.305	(1.000)	1704129	50.0000	
	43 Chlorobenzene	112	9.343	9.341	(1.004)	728398	20.0000	22
	44 Ethylbenzene	106	9.507	9.506	(1.022)	339086	20.0000	21
	45 m,p-Xylene	106	9.665	9.664	(1.039)	896675	40.0000	43
	46 o-Xylene	106	10.188	10.187	(1.095)	385043	20.0000	20
	47 Styrene	104	10.207	10.205	(1.097)	541914	20.0000	21
	48 Bromoform	173	10.426	10.424	(1.799)	192387	20.0000	21
	49 Isopropylbenzene	105	10.681	10.680	(1.148)	983643	20.0000	21
$	50 Bromofluorobenzene	95	10.864	10.862	(1.167)	411292	20.0000	21
	51 1,1,2,2-Tetrachloroethane	83	11.058	11.057	(1.188)	299042	20.0000	23
M	41 Xylene (Total)	106				1281718	20.0000	63
	52 1,3-Dichlorobenzene	146	12.202	12.201	(1.311)	515339	20.0000	20
	53 1,4-Dichlorobenzene	146	12.311	12.310	(1.323)	570545	20.0000	21
	54 1,2-Dichlorobenzene	146	12.737	12.742	(1.369)	521642	20.0000	21
	55 1,2-Dibromo-3-chloropropane	75	13.625	13.624	(1.464)	58616	20.0000	22
	56 1,2,4-Trichlorobenzene	180	14.550	14.555	(1.563)	241178	20.0000	18

SB 6/7/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6451.D
Date : 06-JUN-2005 09:40
Client ID: VSTD0506X
Instrument: V6.i
Sample Info: ,VSTD0506X,VSTD0506X
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



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Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6451.D
Report Date: 07-Jun-2005 10:14

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6451.D
Lab Smp Id: VSTD0506X Client Smp ID: VSTD0506X
Inj Date : 06-JUN-2005 09:40
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0506X,VSTD0506X
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\v6clp4s.m
Meth Date : 06-Jun-2005 12:33 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 09:40 Cal File: V6D6451.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4_THF.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

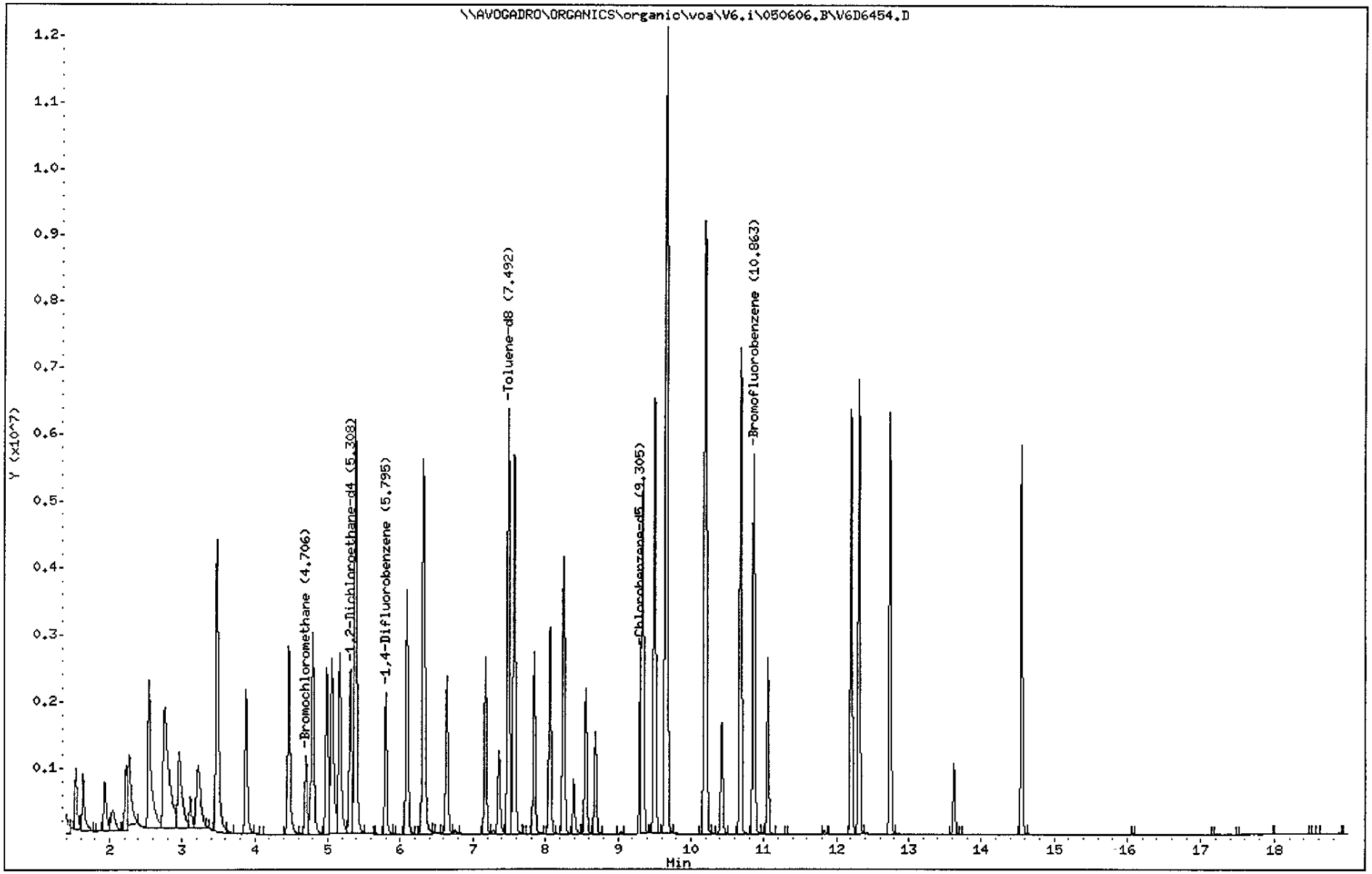
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.372	1.372	(0.292)	765309	50.0000	47
2 Chloromethane	50	1.530	1.530	(0.326)	620317	50.0000	47
3 Vinyl Chloride	62	1.634	1.634	(0.348)	606639	50.0000	47
4 Bromomethane	94	1.950	1.950	(0.415)	386099	50.0000	52
5 Chloroethane	64	2.053	2.053	(0.437)	282654	50.0000	49
6 Trichlorofluoromethane	101	2.266	2.266	(0.482)	843833	50.0000	51
7 1,1-Dichloroethene	96	2.753	2.753	(0.586)	490686	50.0000	47
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.765	2.765	(0.588)	507687	50.0000	52
9 Acetone	43	2.796	2.796	(0.595)	197528	50.0000	50
10 Carbon Disulfide	76	2.954	2.954	(0.628)	1501040	50.0000	47
11 Methyl Acetate	43	3.106	3.106	(0.661)	288222	50.0000	44
12 Methylene Chloride	84	3.221	3.221	(0.685)	504149	50.0000	46
13 trans-1,2-Dichloroethene	96	3.465	3.465	(0.737)	594267	50.0000	47
14 Methyl tert-Butyl Ether	73	3.483	3.483	(0.741)	1403409	50.0000	47
15 1,1-Dichloroethane	63	3.872	3.872	(0.824)	1154961	50.0000	48
17 cis-1,2-Dichloroethene	96	4.463	4.463	(0.950)	563952	50.0000	48

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6451.D
Report Date: 07-Jun-2005 10:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 2-Butanone	43	4.475	4.475	(0.952)	261634	50.0000	52
*	18 Bromochloromethane	128	4.700	4.700	(1.000)	396775	50.0000	
	76 Tetrahydrofuran	72	4.773	4.773	(1.016)	67681	250.000	240
	19 Chloroform	83	4.791	4.791	(1.019)	1248096	50.0000	47
	20 1,1,1-Trichloroethane	97	4.986	4.986	(0.860)	987710	50.0000	46
	21 Cyclohexane	56	5.053	5.053	(0.872)	821559	50.0000	48
	22 Carbon Tetrachloride	117	5.162	5.162	(0.891)	1001869	50.0000	47
$	23 1,2-Dichloroethane-d4	65	5.302	5.302	(1.128)	1152070	50.0000	48
	25 Benzene	78	5.375	5.375	(0.928)	2059083	50.0000	47
	24 1,2-Dichloroethane	62	5.381	5.381	(1.145)	1136645	50.0000	47
*	26 1,4-Difluorobenzene	114	5.795	5.795	(1.000)	1946418	50.0000	
	27 Trichloroethene	130	6.087	6.087	(1.050)	698817	50.0000	48
	28 Methylcyclohexane	83	6.306	6.306	(1.088)	805091	50.0000	49
	29 1,2-Dichloropropane	63	6.324	6.324	(1.091)	604336	50.0000	47
	30 Bromodichloromethane	83	6.640	6.640	(1.146)	855368	50.0000	46
	31 cis-1,3-Dichloropropene	75	7.170	7.170	(1.237)	695830	50.0000	47
	32 4-Methyl-2-Pentanone	43	7.358	7.358	(0.791)	459874	50.0000	51
$	33 Toluene-d8	98	7.492	7.492	(0.805)	2503001	50.0000	50
	34 Toluene	91	7.571	7.571	(0.814)	2378438	50.0000	50
	35 trans-1,3-Dichloropropene	75	7.845	7.845	(1.354)	750563	50.0000	46
	36 1,1,2-Trichloroethane	97	8.064	8.064	(1.392)	545347	50.0000	46
	37 Tetrachloroethene	164	8.259	8.259	(0.888)	565055	50.0000	48
	38 2-Hexanone	43	8.399	8.399	(0.903)	309502	50.0000	51
	39 Dibromochloromethane	129	8.557	8.557	(1.477)	707004	50.0000	47
	40 1,2-Dibromoethane	107	8.691	8.691	(0.934)	574128	50.0000	46
*	42 Chlorobenzene-d5	117	9.305	9.305	(1.000)	1808101	50.0000	
	43 Chlorobenzene	112	9.341	9.341	(1.004)	1674791	50.0000	47
	44 Ethylbenzene	106	9.506	9.506	(1.022)	863895	50.0000	50
	45 m,p-Xylene	106	9.664	9.664	(1.039)	2201687	100.000	100
	46 o-Xylene	106	10.187	10.187	(1.095)	1016938	50.0000	51
	47 Styrene	104	10.205	10.205	(1.097)	1371081	50.0000	50
	48 Bromoform	173	10.424	10.424	(1.799)	475142	50.0000	46
	49 Isopropylbenzene	105	10.680	10.680	(1.148)	2653675	50.0000	52
$	50 Bromofluorobenzene	95	10.862	10.862	(1.167)	1030535	50.0000	50
	51 1,1,2,2-Tetrachloroethane	83	11.057	11.057	(1.188)	612067	50.0000	45
M	41 Xylene (Total)	106				3218625	50.0000	150
	52 1,3-Dichlorobenzene	146	12.201	12.201	(1.311)	1333811	50.0000	49
	53 1,4-Dichlorobenzene	146	12.310	12.310	(1.323)	1448309	50.0000	50
	54 1,2-Dichlorobenzene	146	12.742	12.742	(1.369)	1345826	50.0000	50
	55 1,2-Dibromo-3-chloropropane	75	13.624	13.624	(1.464)	132575	50.0000	46
	56 1,2,4-Trichlorobenzene	180	14.555	14.555	(1.564)	731232	50.0000	50

(50)
6/7/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6454.D
Date : 06-JUN-2005 11:33
Client ID: VSTD1006X
Instrument: V6.i
Sample Info: ,VSTD1006X,VSTD1006X
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0283

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6454.D
Report Date: 07-Jun-2005 10:14

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6454.D
Lab Smp Id: VSTD1006X Client Smp ID: VSTD1006X
Inj Date : 06-JUN-2005 11:33
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD1006X,VSTD1006X
Misc Info : ,1,4
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\v6clp4s.m
Meth Date : 06-Jun-2005 12:33 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 09:40 Cal File: V6D6451.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4_THF.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
1 Dichlorodifluoromethane	85	1.372	1.372	(0.292)	1525811	100.000	100	(M)
2 Chloromethane	50	1.531	1.530	(0.326)	1239257	100.000	100	
3 Vinyl Chloride	62	1.628	1.634	(0.346)	1260772	100.000	110	
4 Bromomethane	94	1.938	1.950	(0.412)	725524	100.000	110	
5 Chloroethane	64	2.035	2.053	(0.433)	536185	100.000	100	
6 Trichlorofluoromethane	101	2.267	2.266	(0.482)	1666793	100.000	110	
7 1,1-Dichloroethene	96	2.753	2.753	(0.586)	1016527	100.000	110	
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.765	2.765	(0.588)	999444	100.000	110	
9 Acetone	43	2.796	2.796	(0.595)	322016	100.000	84	
10 Carbon Disulfide	76	2.954	2.954	(0.629)	3199711	100.000	110	
11 Methyl Acetate	43	3.112	3.106	(0.662)	635313	100.000	100	
12 Methylene Chloride	84	3.216	3.221	(0.684)	1057945	100.000	110	
13 trans-1,2-Dichloroethene	96	3.471	3.465	(0.739)	1216689	100.000	100	
14 Methyl tert-Butyl Ether	73	3.489	3.483	(0.742)	2992615	100.000	110	
15 1,1-Dichloroethane	63	3.879	3.872	(0.825)	2379589	100.000	110	
17 cis-1,2-Dichloroethene	96	4.463	4.463	(0.950)	1221258	100.000	110	

M5 not picked up KC 6/11/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6454.D
Report Date: 07-Jun-2005 10:14

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	16	2-Butanone	43	4.481	4.475	(0.953)	522579	100.000	110
*	18	Bromochloromethane	128	4.700	4.700	(1.000)	371681	50.0000	
	76	Tetrahydrofuran	72	4.767	4.773	(1.014)	151471	500.000	570
	19	Chloroform	83	4.791	4.791	(1.019)	2521196	100.000	100
	20	1,1,1-Trichloroethane	97	4.986	4.986	(0.860)	2072072	100.000	110
	21	Cyclohexane	56	5.053	5.053	(0.872)	1907925	100.000	120
	22	Carbon Tetrachloride	117	5.168	5.162	(0.892)	2042109	100.000	110
$	23	1,2-Dichloroethane-d4	65	5.308	5.302	(1.129)	2336238	100.000	100
	25	Benzene	78	5.375	5.375	(0.928)	4288512	100.000	110
	24	1,2-Dichloroethane	62	5.387	5.381	(1.146)	2307872	100.000	100
*	26	1,4-Difluorobenzene	114	5.795	5.795	(1.000)	1810411	50.0000	
	27	Trichloroethene	130	6.087	6.087	(1.050)	1412488	100.000	100
	28	Methylcyclohexane	83	6.312	6.306	(1.089)	1737153	100.000	120
	29	1,2-Dichloropropane	63	6.324	6.324	(1.091)	1223341	100.000	100
	30	Bromodichloromethane	83	6.641	6.640	(1.146)	1795574	100.000	110
	31	cis-1,3-Dichloropropene	75	7.170	7.170	(1.237)	1683641	100.000	120
	32	4-Methyl-2-Pentanone	43	7.359	7.358	(0.791)	984099	100.000	110
$	33	Toluene-d8	98	7.492	7.492	(0.805)	5080106	100.000	110
	34	Toluene	91	7.577	7.571	(0.814)	4934284	100.000	110
	35	trans-1,3-Dichloropropene	75	7.845	7.845	(1.354)	1803501	100.000	120
	36	1,1,2-Trichloroethane	97	8.064	8.064	(1.392)	1137005	100.000	110
	37	Tetrachloroethene	164	8.259	8.259	(0.888)	1193908	100.000	100
	38	2-Hexanone	43	8.393	8.399	(0.902)	676523	100.000	110
	39	Dibromochloromethane	129	8.557	8.557	(1.477)	1503959	100.000	110
	40	1,2-Dibromoethane	107	8.691	8.691	(0.934)	1288054	100.000	110
*	42	Chlorobenzene-d5	117	9.305	9.305	(1.000)	1772879	50.0000	
	43	Chlorobenzene	112	9.342	9.341	(1.004)	3580543	100.000	110
	44	Ethylbenzene	106	9.500	9.506	(1.021)	1875593	100.000	110
	45	m,p-Xylene	106	9.664	9.664	(1.039)	4638465	200.000	220
	46	o-Xylene	106	10.187	10.187	(1.095)	2236688	100.000	110
	47	Styrene	104	10.206	10.205	(1.097)	2996283	100.000	110
	48	Bromoform	173	10.425	10.424	(1.799)	1007958	100.000	110
	49	Isopropylbenzene	105	10.680	10.680	(1.148)	5734641	100.000	120
$	50	Bromofluorobenzene	95	10.863	10.862	(1.167)	2220422	100.000	110
	51	1,1,2,2-Tetrachloroethane	83	11.051	11.057	(1.188)	1412458	100.000	110
M	41	Xylene (Total)	106				6875153	100.000	330
	52	1,3-Dichlorobenzene	146	12.201	12.201	(1.311)	3043835	100.000	110
	53	1,4-Dichlorobenzene	146	12.310	12.310	(1.323)	3241379	100.000	110
	54	1,2-Dichlorobenzene	146	12.742	12.742	(1.369)	2960106	100.000	110
	55	1,2-Dibromo-3-chloropropane	75	13.624	13.624	(1.464)	313107	100.000	110
	56	1,2,4-Trichlorobenzene	180	14.549	14.555	(1.564)	1827047	100.000	120

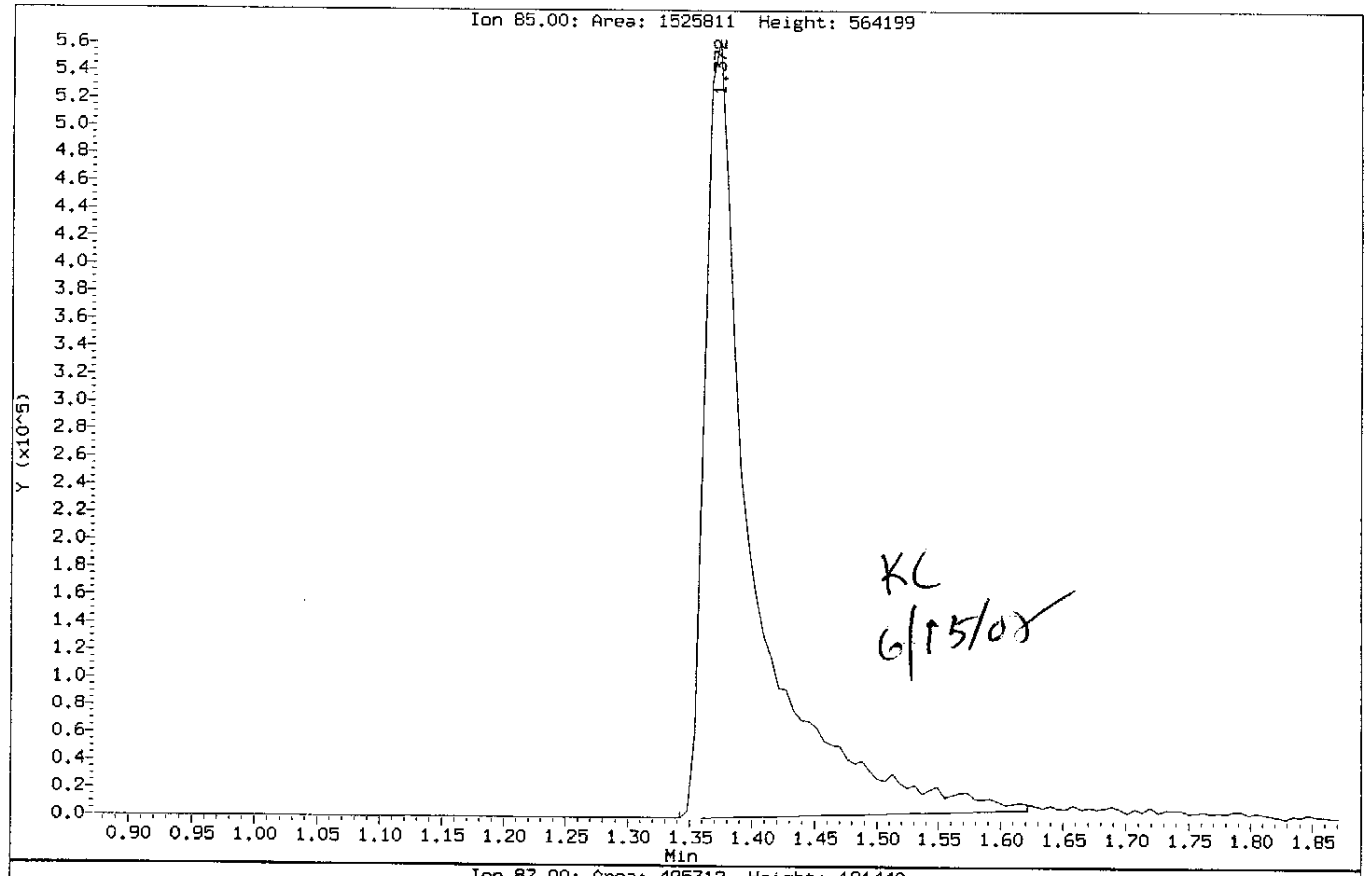
QC Flag Legend

M - Compound response manually integrated.

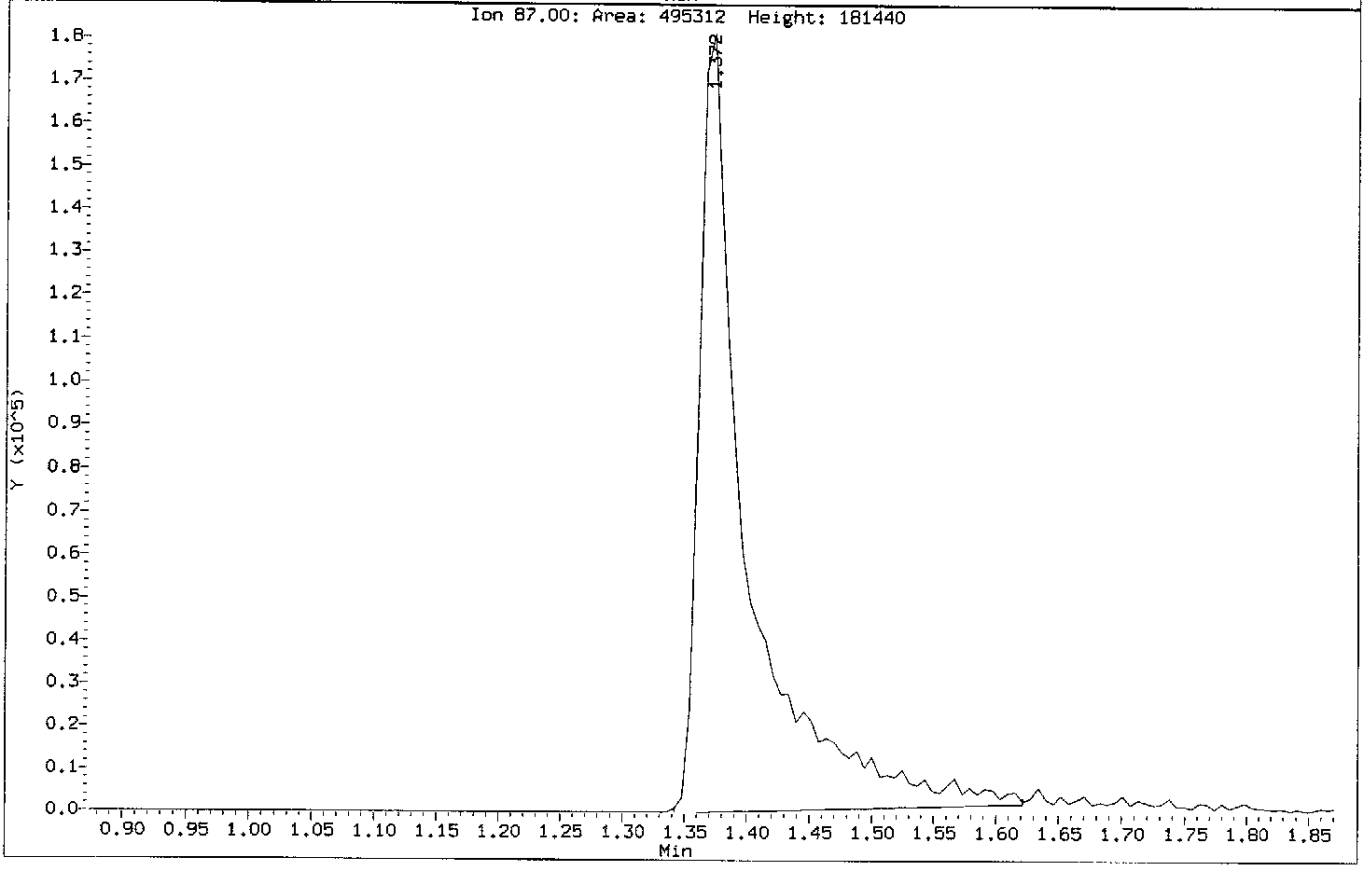
SB 6/7/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6454.D
Injection Date: 06-JUN-2005 11:33
Instrument: V6.i
Client Sample ID: VSTD1006X

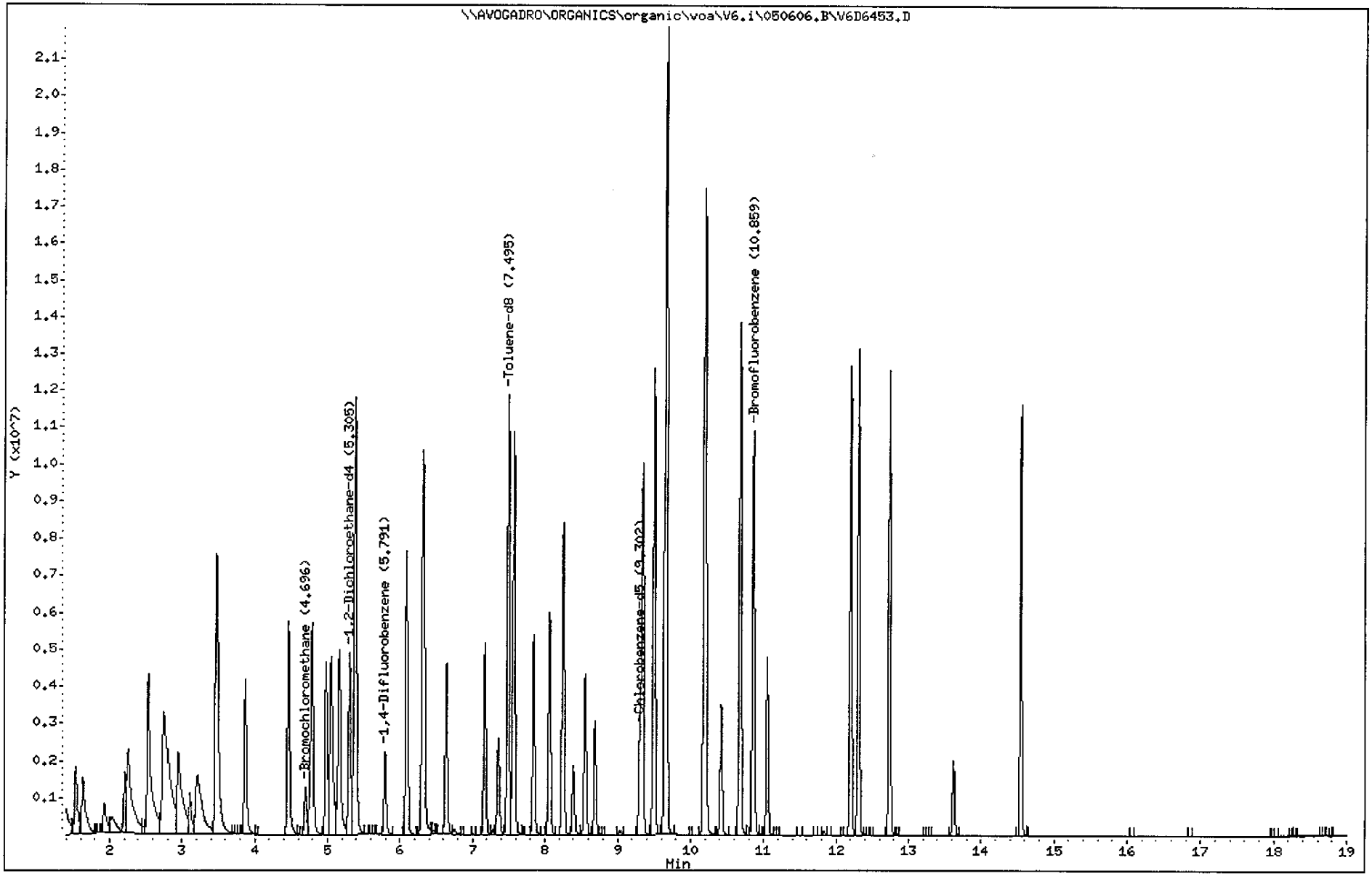
Compound: Dichlorodifluoromethane
CAS Number: 75-71-8



KC
6/15/05



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6453.D
Date : 06-JUN-2005 11:06
Client ID: VSTD2006X
Instrument: V6.i
Sample Info: ,VSTD2006X,VSTD2006X
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0287

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6453.D
Report Date: 07-Jun-2005 10:14

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6453.D
Lab Smp Id: VSTD2006X Client Smp ID: VSTD2006X
Inj Date : 06-JUN-2005 11:06
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD2006X,VSTD2006X
Misc Info : ,1,5
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\v6clp4s.m
Meth Date : 06-Jun-2005 12:33 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 09:40 Cal File: V6D6451.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4_THF.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.369	1.372	(0.291)	3324747	200.000	220(A)
2 Chloromethane	50	1.527	1.530	(0.325)	2642411	200.000	210(A)
3 Vinyl Chloride	62	1.630	1.634	(0.347)	2596162	200.000	220(A)
4 Bromomethane	94	1.928	1.950	(0.411)	1046561	200.000	150
5 Chloroethane	64	2.026	2.053	(0.431)	996454	200.000	190
6 Trichlorofluoromethane	101	2.257	2.266	(0.481)	3216826	200.000	210(A)
7 1,1-Dichloroethene	96	2.750	2.753	(0.585)	2111307	200.000	220(A)
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.762	2.765	(0.588)	1835040	200.000	210(A)
9 Acetone	43	2.786	2.796	(0.593)	687898	200.000	160
10 Carbon Disulfide	76	2.950	2.954	(0.628)	6175214	200.000	210(A)
11 Methyl Acetate	43	3.109	3.106	(0.662)	1187149	200.000	190
12 Methylene Chloride	84	3.212	3.221	(0.684)	2083187	200.000	200
13 trans-1,2-Dichloroethene	96	3.461	3.465	(0.737)	2338575	200.000	200
14 Methyl tert-Butyl Ether	73	3.486	3.483	(0.742)	5396609	200.000	200
15 1,1-Dichloroethane	63	3.875	3.872	(0.825)	4604907	200.000	210(A)
17 cis-1,2-Dichloroethene	96	4.459	4.463	(0.949)	2466040	200.000	230(A)

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6453.D
Report Date: 07-Jun-2005 10:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16 2-Butanone	43	4.477	4.475	(0.953)	1021845	200.000	210(A)
*	18 Bromochloromethane	128	4.696	4.700	(1.000)	384664	50.0000	
	76 Tetrahydrofuran	72	4.763	4.773	(1.014)	318008	1000.00	1200
	19 Chloroform	83	4.788	4.791	(1.019)	4921578	200.000	200
	20 1,1,1-Trichloroethane	97	4.982	4.986	(0.860)	3896035	200.000	200
	21 Cyclohexane	56	5.049	5.053	(0.872)	3767934	200.000	240(A)
	22 Carbon Tetrachloride	117	5.165	5.162	(0.892)	3916709	200.000	200
$	23 1,2-Dichloroethane-d4	65	5.305	5.302	(1.130)	4566028	200.000	200
	25 Benzene	78	5.372	5.375	(0.928)	8169100	200.000	200
	24 1,2-Dichloroethane	62	5.384	5.381	(1.146)	4503880	200.000	200
*	26 1,4-Difluorobenzene	114	5.791	5.795	(1.000)	1934280	50.0000	
	27 Trichloroethene	130	6.083	6.087	(1.050)	2926811	200.000	210(A)
	28 Methylcyclohexane	83	6.309	6.306	(1.089)	3358725	200.000	220(A)
	29 1,2-Dichloropropane	63	6.321	6.324	(1.091)	2359496	200.000	190
	30 Bromodichloromethane	83	6.643	6.640	(1.147)	3555496	200.000	200
	31 cis-1,3-Dichloropropene	75	7.166	7.170	(1.237)	3307097	200.000	240(A)
	32 4-Methyl-2-Pentanone	43	7.361	7.358	(0.791)	1982591	200.000	220(A)
$	33 Toluene-d8	98	7.495	7.492	(0.806)	9557221	200.000	190
	34 Toluene	91	7.574	7.571	(0.814)	9308553	200.000	200
	35 trans-1,3-Dichloropropene	75	7.841	7.845	(1.354)	3428636	200.000	230(A)
	36 1,1,2-Trichloroethane	97	8.060	8.064	(1.392)	2234244	200.000	200
	37 Tetrachloroethene	164	8.255	8.259	(0.888)	2368828	200.000	200
	38 2-Hexanone	43	8.395	8.399	(0.903)	1401939	200.000	230(A)
	39 Dibromochloromethane	129	8.553	8.557	(1.477)	2994528	200.000	210(A)
	40 1,2-Dibromoethane	107	8.687	8.691	(0.934)	2546246	200.000	210(A)
*	42 Chlorobenzene-d5	117	9.302	9.305	(1.000)	1864581	50.0000	
	43 Chlorobenzene	112	9.344	9.341	(1.005)	6914217	200.000	200
	44 Ethylbenzene	106	9.502	9.506	(1.022)	3797562	200.000	220(A)
	45 m,p-Xylene	106	9.660	9.664	(1.039)	8722586	400.000	400
	46 o-Xylene	106	10.190	10.187	(1.095)	4407579	200.000	220(A)
	47 Styrene	104	10.208	10.205	(1.097)	5821599	200.000	220(A)
	48 Bromoform	173	10.421	10.424	(1.799)	2070196	200.000	210(A)
	49 Isopropylbenzene	105	10.682	10.680	(1.148)	11086607	200.000	220(A)
$	50 Bromofluorobenzene	95	10.859	10.862	(1.167)	4360210	200.000	210(A)
	51 1,1,2,2-Tetrachloroethane	83	11.054	11.057	(1.188)	2513563	200.000	200
M	41 Xylene (Total)	106				13130165	200.000	630
	52 1,3-Dichlorobenzene	146	12.203	12.201	(1.312)	5966866	200.000	220(A)
	53 1,4-Dichlorobenzene	146	12.307	12.310	(1.323)	6232848	200.000	220(A)
	54 1,2-Dichlorobenzene	146	12.739	12.742	(1.370)	5800455	200.000	220(A)
	55 1,2-Dibromo-3-chloropropane	75	13.627	13.624	(1.465)	595786	200.000	220(A)
	56 1,2,4-Trichlorobenzene	180	14.552	14.555	(1.564)	3723786	200.000	260(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

(B) 6/7/05

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: V6 Calibration Date: 06/01/05 Time: 1305

Lab File ID: V6D6371 Init. Calib. Date(s): 06/01/05 06/01/05

EPA Sample No.(VSTD050##): VSTD0506R Init. Calib. Times: 1012 1202

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	1.984	2.031		2.4	
Chloromethane	1.741	1.776		2.0	
Vinyl Chloride	1.714	1.650	0.100	-3.7	25.0
Bromomethane	1.124	1.069	0.100	-4.9	25.0
Chloroethane	0.846	0.845		-0.1	
Trichlorofluoromethane	2.225	2.419		8.7	
1,1-Dichloroethene	1.370	1.462	0.100	6.7	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.217	1.299		6.7	
Acetone	0.620	0.594		-4.2	
Carbon Disulfide	4.298	4.243		-1.3	
Methyl Acetate	0.895	0.892		-0.3	
Methylene Chloride	1.510	1.438		-4.8	
trans-1,2-Dichloroethene	1.730	1.690		-2.3	
Methyl tert-Butyl Ether	4.224	3.856		-8.7	
1,1-Dichloroethane	3.336	3.192	0.200	-4.3	25.0
cis-1,2-Dichloroethene	1.626	1.587		-2.4	
2-Butanone	0.793	0.792		-0.1	
Chloroform	3.555	3.467	0.200	-2.5	25.0
1,1,1-Trichloroethane	0.608	0.551	0.100	-9.4	25.0
Cyclohexane	0.432	0.451		4.4	
Carbon Tetrachloride	0.599	0.557	0.100	-7.0	25.0
Benzene	1.257	1.212	0.500	-3.6	25.0
1,2-Dichloroethane	3.323	3.192	0.100	-3.9	25.0
Trichloroethene	0.411	0.391	0.300	-4.9	25.0
Methylcyclohexane	0.392	0.428		9.2	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: V6 Calibration Date: 06/01/05 Time: 1305

Lab File ID: V6D6371 Init. Calib. Date(s): 06/01/05 06/01/05

EPA Sample No.(VSTD050##): VSTD0506R Init. Calib. Times: 1012 1202

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.361	0.361		0.0	
Bromodichloromethane	0.549	0.518	0.200	-5.6	25.0
cis-1,3-Dichloropropene	0.450	0.440	0.200	-2.2	25.0
4-Methyl-2-Pentanone	0.299	0.289		-3.3	
Toluene	1.474	1.488	0.400	0.9	25.0
trans-1,3-Dichloropropene	0.499	0.474	0.100	-5.0	25.0
1,1,2-Trichloroethane	0.345	0.326	0.100	-5.5	25.0
Tetrachloroethene	0.362	0.346	0.200	-4.4	25.0
2-Hexanone	0.206	0.208		1.0	
Dibromochloromethane	0.449	0.422	0.100	-6.0	25.0
1,2-Dibromoethane	0.386	0.378		-2.1	
Chlorobenzene	1.088	1.056	0.500	-2.9	25.0
Ethylbenzene	0.546	0.537	0.100	-1.6	25.0
Xylene (Total)	0.634	0.653	0.300	3.0	25.0
Styrene	0.835	0.842	0.300	0.8	25.0
Bromoform	0.303	0.278	0.100	-8.3	25.0
Isopropylbenzene	1.637	1.668		1.9	
1,1,2,2-Tetrachloroethane	0.439	0.415	0.300	-5.5	25.0
1,3-Dichlorobenzene	0.870	0.850	0.600	-2.3	25.0
1,4-Dichlorobenzene	0.925	0.912	0.500	-1.4	25.0
1,2-Dichlorobenzene	0.859	0.834	0.400	-2.9	25.0
1,2-Dibromo-3-chloropropane	0.093	0.084		-9.7	
1,2,4-Trichlorobenzene	0.478	0.467	0.200	-2.3	25.0
Toluene-d8	1.251	1.289		3.0	
Bromofluorobenzene	0.528	0.538	0.200	1.9	25.0
1,2-Dichloroethane-d4	2.769	2.792		0.8	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: V6 Calibration Date: 06/02/05 Time: 0937

Lab File ID: V6D6391 Init. Calib. Date(s): 06/01/05 06/01/05

EPA Sample No.(VSTD050##): VSTD0506T Init. Calib. Times: 1012 1202

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	1.984	1.573		-20.7	
Chloromethane	1.741	1.443		-17.1	
Vinyl Chloride	1.714	1.336	0.100	-22.1	25.0
Bromomethane	1.124	0.907	0.100	-19.3	25.0
Chloroethane	0.846	0.715		-15.5	
Trichlorofluoromethane	2.225	1.795		-19.3	
1,1-Dichloroethene	1.370	1.161	0.100	-15.3	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.217	1.009		-17.1	
Acetone	0.620	0.411		-33.7	
Carbon Disulfide	4.298	3.301		-23.2	
Methyl Acetate	0.895	0.813		-9.2	
Methylene Chloride	1.510	1.230		-18.5	
trans-1,2-Dichloroethene	1.730	1.425		-17.6	
Methyl tert-Butyl Ether	4.224	3.771		-10.7	
1,1-Dichloroethane	3.336	2.817	0.200	-15.6	25.0
cis-1,2-Dichloroethene	1.626	1.412		-13.2	
2-Butanone	0.793	0.624		-21.3	
Chloroform	3.555	3.101	0.200	-12.8	25.0
1,1,1-Trichloroethane	0.608	0.473	0.100	-22.2	25.0
Cyclohexane	0.432	0.347		-19.7	
Carbon Tetrachloride	0.599	0.469	0.100	-21.7	25.0
Benzene	1.257	1.115	0.500	-11.3	25.0
1,2-Dichloroethane	3.323	2.971	0.100	-10.6	25.0
Trichloroethene	0.411	0.363	0.300	-11.7	25.0
Methylcyclohexane	0.392	0.331		-15.6	

All other compounds must meet a minimum RRF of 0.010.

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: V6 Calibration Date: 06/02/05 Time: 0937

Lab File ID: V6D6391 Init. Calib. Date(s): 06/01/05 06/01/05

EPA Sample No.(VSTD050##): VSTD0506T Init. Calib. Times: 1012 1202

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.361	0.335		-7.2	
Bromodichloromethane	0.549	0.484	0.200	-11.8	25.0
cis-1,3-Dichloropropene	0.450	0.401	0.200	-10.9	25.0
4-Methyl-2-Pentanone	0.299	0.288		-3.7	
Toluene	1.474	1.328	0.400	-9.9	25.0
trans-1,3-Dichloropropene	0.499	0.438	0.100	-12.2	25.0
1,1,2-Trichloroethane	0.345	0.328	0.100	-4.9	25.0
Tetrachloroethene	0.362	0.300	0.200	-17.1	25.0
2-Hexanone	0.206	0.179		-13.1	
Dibromochloromethane	0.449	0.415	0.100	-7.6	25.0
1,2-Dibromoethane	0.386	0.349		-9.6	
Chlorobenzene	1.088	0.971	0.500	-10.8	25.0
Ethylbenzene	0.546	0.477	0.100	-12.6	25.0
Xylene (Total)	0.634	0.594	0.300	-6.3	25.0
Styrene	0.835	0.786	0.300	-5.9	25.0
Bromoform	0.303	0.287	0.100	-5.3	25.0
Isopropylbenzene	1.637	1.470		-10.2	
1,1,2,2-Tetrachloroethane	0.439	0.376	0.300	-14.4	25.0
1,3-Dichlorobenzene	0.870	0.780	0.600	-10.3	25.0
1,4-Dichlorobenzene	0.925	0.860	0.500	-7.0	25.0
1,2-Dichlorobenzene	0.859	0.799	0.400	-7.0	25.0
1,2-Dibromo-3-chloropropane	0.093	0.080		-14.0	
1,2,4-Trichlorobenzene	0.478	0.439	0.200	-8.2	25.0
Toluene-d8	1.251	1.295		3.5	
Bromofluorobenzene	0.528	0.531	0.200	0.6	25.0
1,2-Dichloroethane-d4	2.769	2.773		0.1	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: V6 Calibration Date: 06/03/05 Time: 1151

Lab File ID: V6D6421 Init. Calib. Date(s): 06/01/05 06/01/05

EPA Sample No.(VSTD050##): VSTD0506V Init. Calib. Times: 1012 1202

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	1.984	1.052		-47.0	
Chloromethane	1.741	1.208		-30.6	
Vinyl Chloride	1.714	1.307	0.100	-23.7	25.0
Bromomethane	1.124	0.859	0.100	-23.6	25.0
Chloroethane	0.846	0.699		-17.4	
Trichlorofluoromethane	2.225	1.920		-13.7	
1,1-Dichloroethene	1.370	1.281	0.100	-6.5	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.217	1.204		-1.1	
Acetone	0.620	0.513		-17.3	
Carbon Disulfide	4.298	3.537		-17.7	
Methyl Acetate	0.895	0.782		-12.6	
Methylene Chloride	1.510	1.253		-17.0	
trans-1,2-Dichloroethene	1.730	1.497		-13.5	
Methyl tert-Butyl Ether	4.224	3.483		-17.5	
1,1-Dichloroethane	3.336	2.896	0.200	-13.2	25.0
cis-1,2-Dichloroethene	1.626	1.438		-11.6	
2-Butanone	0.793	0.678		-14.5	
Chloroform	3.555	3.025	0.200	-14.9	25.0
1,1,1-Trichloroethane	0.608	0.508	0.100	-16.4	25.0
Cyclohexane	0.432	0.420		-2.8	
Carbon Tetrachloride	0.599	0.489	0.100	-18.4	25.0
Benzene	1.257	1.115	0.500	-11.3	25.0
1,2-Dichloroethane	3.323	2.860	0.100	-13.9	25.0
Trichloroethene	0.411	0.369	0.300	-10.2	25.0
Methylcyclohexane	0.392	0.402		2.6	

All other compounds must meet a minimum RRF of 0.010.

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: V6 Calibration Date: 06/03/05 Time: 1151

Lab File ID: V6D6421 Init. Calib. Date(s): 06/01/05 06/01/05

EPA Sample No.(VSTD050##): VSTD0506V Init. Calib. Times: 1012 1202

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.361	0.319		-11.6	
Bromodichloromethane	0.549	0.453	0.200	-17.5	25.0
cis-1,3-Dichloropropene	0.450	0.378	0.200	-16.0	25.0
4-Methyl-2-Pentanone	0.299	0.260		-13.0	
Toluene	1.474	1.338	0.400	-9.2	25.0
trans-1,3-Dichloropropene	0.499	0.399	0.100	-20.0	25.0
1,1,2-Trichloroethane	0.345	0.286	0.100	-17.1	25.0
Tetrachloroethene	0.362	0.311	0.200	-14.1	25.0
2-Hexanone	0.206	0.179		-13.1	
Dibromochloromethane	0.449	0.369	0.100	-17.8	25.0
1,2-Dibromoethane	0.386	0.326		-15.5	
Chlorobenzene	1.088	0.951	0.500	-12.6	25.0
Ethylbenzene	0.546	0.491	0.100	-10.1	25.0
Xylene (Total)	0.634	0.574	0.300	-9.5	25.0
Styrene	0.835	0.752	0.300	-9.9	25.0
Bromoform	0.303	0.240	0.100	-20.8	25.0
Isopropylbenzene	1.637	1.493		-8.8	
1,1,2,2-Tetrachloroethane	0.439	0.345	0.300	-21.4	25.0
1,3-Dichlorobenzene	0.870	0.755	0.600	-13.2	25.0
1,4-Dichlorobenzene	0.925	0.821	0.500	-11.2	25.0
1,2-Dichlorobenzene	0.859	0.740	0.400	-13.9	25.0
1,2-Dibromo-3-chloropropane	0.093	0.070		-24.7	
1,2,4-Trichlorobenzene	0.478	0.419	0.200	-12.3	25.0
Toluene-d8	1.251	1.358		8.6	
Bromofluorobenzene	0.528	0.565	0.200	7.0	25.0
1,2-Dichloroethane-d4	2.769	2.850		2.9	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: V6 Calibration Date: 06/06/05 Time: 0940

Lab File ID: V6D6451 Init. Calib. Date(s): 06/06/05 06/06/05

EPA Sample No.(VSTD050##): VSTD0506X Init. Calib. Times: 0940 1201

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.043	1.929		-5.6	
Chloromethane	1.651	1.563		-5.3	
Vinyl Chloride	1.614	1.529	0.100	-5.3	25.0
Bromomethane	0.940	0.973	0.100	3.5	25.0
Chloroethane	0.721	0.712		-1.2	
Trichlorofluoromethane	2.083	2.127		2.1	
1,1-Dichloroethene	1.306	1.237	0.100	-5.3	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.227	1.280		4.3	
Acetone	0.498	0.498		0.0	
Carbon Disulfide	4.031	3.783		-6.2	
Methyl Acetate	0.833	0.726		-12.8	
Methylene Chloride	1.388	1.271		-8.4	
trans-1,2-Dichloroethene	1.606	1.498		-6.7	
Methyl tert-Butyl Ether	3.771	3.537		-6.2	
1,1-Dichloroethane	3.039	2.911	0.200	-4.2	25.0
cis-1,2-Dichloroethene	1.473	1.421		-3.5	
2-Butanone	0.638	0.659		3.3	
Chloroform	3.332	3.146	0.200	-5.6	25.0
1,1,1-Trichloroethane	0.546	0.507	0.100	-7.1	25.0
Cyclohexane	0.439	0.422		-3.9	
Carbon Tetrachloride	0.547	0.515	0.100	-5.9	25.0
Benzene	1.115	1.058	0.500	-5.1	25.0
1,2-Dichloroethane	3.025	2.865	0.100	-5.3	25.0
Trichloroethene	0.375	0.359	0.300	-4.3	25.0
Methylcyclohexane	0.420	0.414		-1.4	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: V6 Calibration Date: 06/06/05 Time: 0940

Lab File ID: V6D6451 Init. Calib. Date(s): 06/06/05 06/06/05

EPA Sample No.(VSTD050##): VSTD0506X Init. Calib. Times: 0940 1201

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.329	0.310		-5.8	
Bromodichloromethane	0.480	0.439	0.200	-8.5	25.0
cis-1,3-Dichloropropene	0.384	0.357	0.200	-7.0	25.0
4-Methyl-2-Pentanone	0.250	0.254		1.6	
Toluene	1.310	1.315	0.400	0.4	25.0
trans-1,3-Dichloropropene	0.420	0.386	0.100	-8.1	25.0
1,1,2-Trichloroethane	0.307	0.280	0.100	-8.8	25.0
Tetrachloroethene	0.326	0.313	0.200	-4.0	25.0
2-Hexanone	0.169	0.171		1.2	
Dibromochloromethane	0.390	0.363	0.100	-6.9	25.0
1,2-Dibromoethane	0.342	0.318		-7.0	
Chlorobenzene	0.975	0.926	0.500	-5.0	25.0
Ethylbenzene	0.479	0.478	0.100	-0.2	25.0
Xylene (Total)	0.556	0.562	0.300	1.1	25.0
Styrene	0.753	0.758	0.300	0.7	25.0
Bromoform	0.263	0.244	0.100	-7.2	25.0
Isopropylbenzene	1.406	1.468		4.4	
1,1,2,2-Tetrachloroethane	0.374	0.339	0.300	-9.4	25.0
1,3-Dichlorobenzene	0.751	0.738	0.600	-1.7	25.0
1,4-Dichlorobenzene	0.808	0.801	0.500	-0.9	25.0
1,2-Dichlorobenzene	0.745	0.744	0.400	-0.1	25.0
1,2-Dibromo-3-chloropropane	0.079	0.073		-7.6	
1,2,4-Trichlorobenzene	0.404	0.404	0.200	0.0	25.0
Toluene-d8	1.378	1.384		0.4	
Bromofluorobenzene	0.573	0.570	0.200	-0.5	25.0
1,2-Dichloroethane-d4	3.022	2.904		-3.9	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: V6 Calibration Date: 06/07/05 Time: 0957

Lab File ID: V6D6481 Init. Calib. Date(s): 06/06/05 06/06/05

EPA Sample No.(VSTD050##): VSTD0506Y Init. Calib. Times: 0940 1201

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.043	1.837		-10.1	
Chloromethane	1.651	1.420		-14.0	
Vinyl Chloride	1.614	1.374	0.100	-14.9	25.0
Bromomethane	0.940	0.862	0.100	-8.3	25.0
Chloroethane	0.721	0.693		-3.9	
Trichlorofluoromethane	2.083	1.476		-29.1	
1,1-Dichloroethene	1.306	1.085	0.100	-16.9	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.227	1.165		-5.1	
Acetone	0.498	0.484		-2.8	
Carbon Disulfide	4.031	3.333		-17.3	
Methyl Acetate	0.833	0.720		-13.6	
Methylene Chloride	1.388	1.204		-13.3	
trans-1,2-Dichloroethene	1.606	1.352		-15.8	
Methyl tert-Butyl Ether	3.771	3.318		-12.0	
1,1-Dichloroethane	3.039	2.644	0.200	-13.0	25.0
cis-1,2-Dichloroethene	1.473	1.294		-12.2	
2-Butanone	0.638	0.635		-0.5	
Chloroform	3.332	2.879	0.200	-13.6	25.0
1,1,1-Trichloroethane	0.546	0.444	0.100	-18.7	25.0
Cyclohexane	0.439	0.371		-15.5	
Carbon Tetrachloride	0.547	0.456	0.100	-16.6	25.0
Benzene	1.115	1.016	0.500	-8.9	25.0
1,2-Dichloroethane	3.025	2.773	0.100	-8.3	25.0
Trichloroethene	0.375	0.328	0.300	-12.5	25.0
Methylcyclohexane	0.420	0.367		-12.6	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: V6 Calibration Date: 06/07/05 Time: 0957

Lab File ID: V6D6481 Init. Calib. Date(s): 06/06/05 06/06/05

EPA Sample No.(VSTD050##): VSTD0506Y Init. Calib. Times: 0940 1201

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.329	0.304		-7.6	
Bromodichloromethane	0.480	0.429	0.200	-10.6	25.0
cis-1,3-Dichloropropene	0.384	0.338	0.200	-12.0	25.0
4-Methyl-2-Pentanone	0.250	0.242		-3.2	
Toluene	1.310	1.221	0.400	-6.8	25.0
trans-1,3-Dichloropropene	0.420	0.362	0.100	-13.8	25.0
1,1,2-Trichloroethane	0.307	0.279	0.100	-9.1	25.0
Tetrachloroethene	0.326	0.287	0.200	-12.0	25.0
2-Hexanone	0.169	0.158		-6.5	
Dibromochloromethane	0.390	0.360	0.100	-7.7	25.0
1,2-Dibromoethane	0.342	0.318		-7.0	
Chlorobenzene	0.975	0.900	0.500	-7.7	25.0
Ethylbenzene	0.479	0.442	0.100	-7.7	25.0
Xylene (Total)	0.556	0.523	0.300	-5.9	25.0
Styrene	0.753	0.692	0.300	-8.1	25.0
Bromoform	0.263	0.239	0.100	-9.1	25.0
Isopropylbenzene	1.406	1.345		-4.3	
1,1,2,2-Tetrachloroethane	0.374	0.320	0.300	-14.4	25.0
1,3-Dichlorobenzene	0.751	0.688	0.600	-8.4	25.0
1,4-Dichlorobenzene	0.808	0.763	0.500	-5.6	25.0
1,2-Dichlorobenzene	0.745	0.682	0.400	-8.5	25.0
1,2-Dibromo-3-chloropropane	0.079	0.066		-16.5	
1,2,4-Trichlorobenzene	0.404	0.347	0.200	-14.1	25.0
Toluene-d8	1.378	1.499		8.8	
Bromofluorobenzene	0.573	0.607	0.200	5.9	25.0
1,2-Dichloroethane-d4	3.022	3.095		2.4	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: V6 Calibration Date: 06/23/05 Time: 0925

Lab File ID: V6D6821 Init. Calib. Date(s): 06/06/05 06/06/05

EPA Sample No.(VSTD050##): VSTD0506Q Init. Calib. Times: 0940 1201

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.043	2.060		0.8	
Chloromethane	1.651	1.593		-3.5	
Vinyl Chloride	1.614	1.627	0.100	0.8	25.0
Bromomethane	0.940	1.047	0.100	11.4	25.0
Chloroethane	0.721	0.840		16.5	
Trichlorofluoromethane	2.083	2.467		18.4	
1,1-Dichloroethene	1.306	1.415	0.100	8.3	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.227	1.373		11.9	
Acetone	0.498	0.735		47.6	
Carbon Disulfide	4.031	4.008		-0.6	
Methyl Acetate	0.833	0.874		4.9	
Methylene Chloride	1.388	1.435		3.4	
trans-1,2-Dichloroethene	1.606	1.583		-1.4	
Methyl tert-Butyl Ether	3.771	3.853		2.2	
1,1-Dichloroethane	3.039	3.168	0.200	4.2	25.0
cis-1,2-Dichloroethene	1.473	1.456		-1.2	
2-Butanone	0.638	0.926		45.1	
Chloroform	3.332	3.510	0.200	5.3	25.0
1,1,1-Trichloroethane	0.546	0.574	0.100	5.1	25.0
Cyclohexane	0.439	0.439		0.0	
Carbon Tetrachloride	0.547	0.578	0.100	5.7	25.0
Benzene	1.115	1.138	0.500	2.1	25.0
1,2-Dichloroethane	3.025	3.337	0.100	10.3	25.0
Trichloroethene	0.375	0.384	0.300	2.4	25.0
Methylcyclohexane	0.420	0.404		-3.8	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: V6 Calibration Date: 06/23/05 Time: 0925

Lab File ID: V6D6821 Init. Calib. Date(s): 06/06/05 06/06/05

EPA Sample No.(VSTD050##): VSTD0506Q Init. Calib. Times: 0940 1201

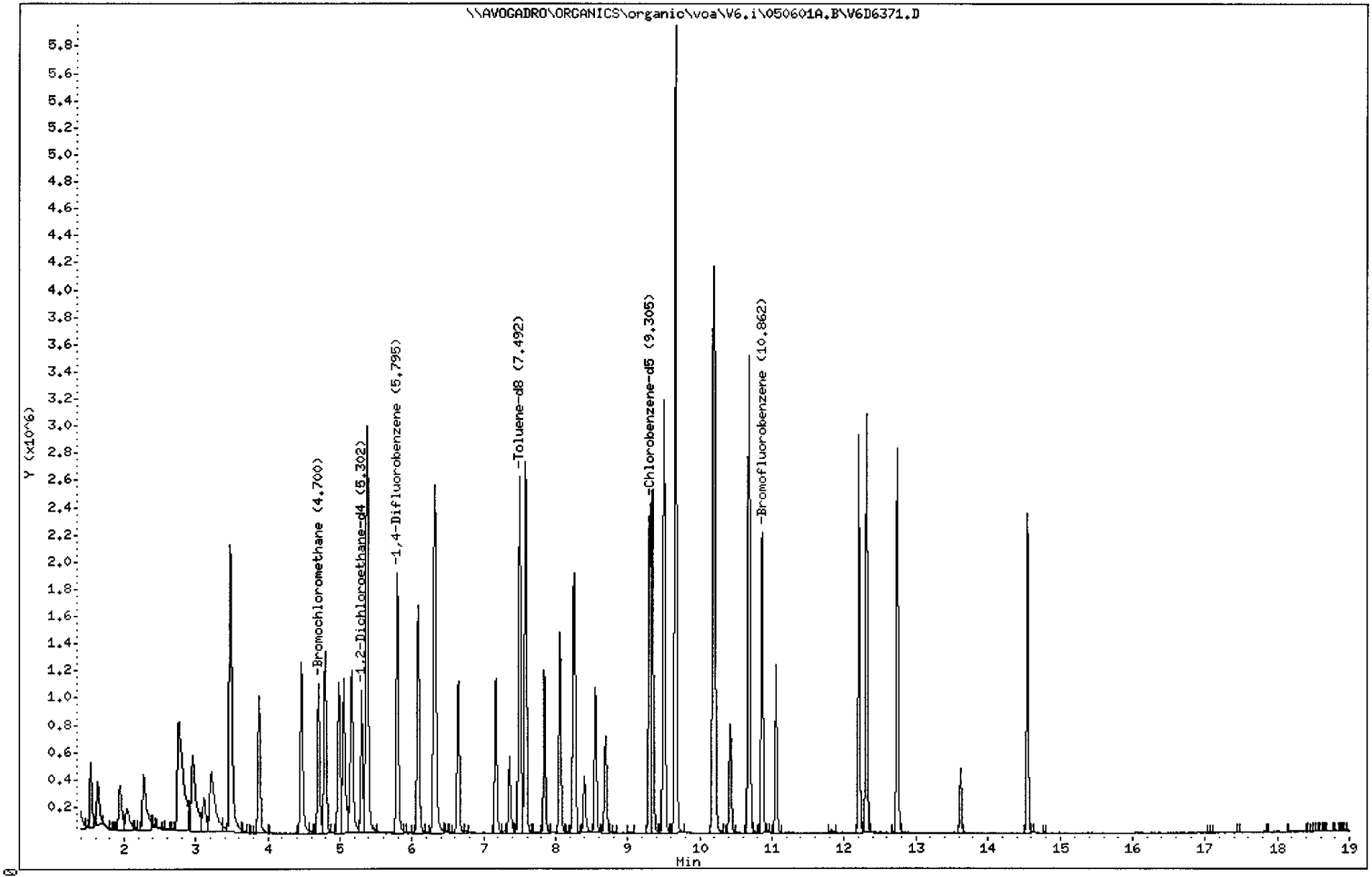
Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.329	0.324		-1.5	
Bromodichloromethane	0.480	0.510	0.200	6.3	25.0
cis-1,3-Dichloropropene	0.384	0.400	0.200	4.2	25.0
4-Methyl-2-Pentanone	0.250	0.275		10.0	
Toluene	1.310	1.432	0.400	9.3	25.0
trans-1,3-Dichloropropene	0.420	0.444	0.100	5.7	25.0
1,1,2-Trichloroethane	0.307	0.302	0.100	-1.6	25.0
Tetrachloroethene	0.326	0.375	0.200	15.0	25.0
2-Hexanone	0.169	0.234		38.5	
Dibromochloromethane	0.390	0.411	0.100	5.4	25.0
1,2-Dibromoethane	0.342	0.367		7.3	
Chlorobenzene	0.975	1.048	0.500	7.5	25.0
Ethylbenzene	0.479	0.519	0.100	8.4	25.0
Xylene (Total)	0.556	0.613	0.300	10.3	25.0
Styrene	0.753	0.824	0.300	9.4	25.0
Bromoform	0.263	0.281	0.100	6.8	25.0
Isopropylbenzene	1.406	1.655		17.7	
1,1,2,2-Tetrachloroethane	0.374	0.376	0.300	0.5	25.0
1,3-Dichlorobenzene	0.751	0.793	0.600	5.6	25.0
1,4-Dichlorobenzene	0.808	0.895	0.500	10.8	25.0
1,2-Dichlorobenzene	0.745	0.800	0.400	7.4	25.0
1,2-Dibromo-3-chloropropane	0.079	0.084		6.3	
1,2,4-Trichlorobenzene	0.404	0.417	0.200	3.2	25.0
Toluene-d8	1.378	1.415		2.7	
Bromofluorobenzene	0.573	0.591	0.200	3.1	25.0
1,2-Dichloroethane-d4	3.022	3.161		4.6	

All other compounds must meet a minimum RRF of 0.010.

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601A.B\V6D6371.D
Date : 01-JUN-2005 13:05
Client ID: VSTD0506R
Instrument: V6.i
Sample Info: ,VSTD0506R,VSTD0506R
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0102

Data File: V6D6371.D
Report Date: 01-Jun-2005 13:32

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601A.B\V6D6371.D
Lab Smp Id: VSTD0506R Client Smp ID: VSTD0506R
Inj Date : 01-JUN-2005 13:05
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0506R,VSTD0506R
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601A.B\v6clp4s.m
Meth Date : 01-Jun-2005 13:32 mtl Quant Type: ISTD
Cal Date : 01-JUN-2005 13:05 Cal File: V6D6371.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.372	1.372	(0.292)	707705	50.0000	51
2	Chloromethane	50	1.530	1.530	(0.326)	618655	50.0000	51
3	Vinyl Chloride	62	1.634	1.634	(0.348)	574883	50.0000	48
4	Bromomethane	94	1.938	1.938	(0.412)	372360	50.0000	48
5	Chloroethane	64	2.035	2.035	(0.433)	294407	50.0000	50
6	Trichlorofluoromethane	101	2.266	2.266	(0.482)	842795	50.0000	54
7	1,1-Dichloroethene	96	2.753	2.753	(0.586)	509350	50.0000	53
9	Acetone	43	2.789	2.789	(0.594)	207102	50.0000	48
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.759	2.759	(0.587)	452557	50.0000	53
10	Carbon Disulfide	76	2.954	2.954	(0.628)	1478245	50.0000	49
11	Methyl Acetate	43	3.106	3.106	(0.661)	310861	50.0000	50
12	Methylene Chloride	84	3.215	3.215	(0.684)	501116	50.0000	48
13	trans-1,2-Dichloroethene	96	3.465	3.465	(0.737)	588948	50.0000	49
14	Methyl tert-Butyl Ether	73	3.483	3.483	(0.741)	1343277	50.0000	46
15	1,1-Dichloroethane	63	3.872	3.872	(0.824)	1112033	50.0000	48
16	2-Butanone	43	4.481	4.481	(0.953)	275779	50.0000	50

Data File: V6D6371.D
Report Date: 01-Jun-2005 13:32

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.462	4.462	(0.950)	552968	50.0000	49
*	18 Bromochloromethane	128	4.700	4.700	(1.000)	348403	50.0000	
	19 Chloroform	83	4.785	4.785	(1.018)	1208061	50.0000	49
	20 1,1,1-Trichloroethane	97	4.986	4.986	(0.860)	926903	50.0000	45
	21 Cyclohexane	56	5.053	5.053	(0.872)	758837	50.0000	52
	22 Carbon Tetrachloride	117	5.162	5.162	(0.891)	937198	50.0000	46
$	23 1,2-Dichloroethane-d4	65	5.302	5.302	(1.128)	972842	50.0000	50
	25 Benzene	78	5.375	5.375	(0.928)	2040255	50.0000	48
	24 1,2-Dichloroethane	62	5.381	5.381	(1.145)	1112070	50.0000	48
*	26 1,4-Difluorobenzene	114	5.795	5.795	(1.000)	1683392	50.0000	
	27 Trichloroethene	130	6.081	6.081	(1.049)	658500	50.0000	48
	28 Methylcyclohexane	83	6.312	6.312	(1.089)	720180	50.0000	55
	29 1,2-Dichloropropane	63	6.318	6.318	(1.090)	606994	50.0000	50
	30 Bromodichloromethane	83	6.640	6.640	(1.146)	871671	50.0000	47
	31 cis-1,3-Dichloropropene	75	7.170	7.170	(1.237)	740224	50.0000	49
	32 4-Methyl-2-Pentanone	43	7.358	7.358	(0.791)	461082	50.0000	48
$	33 Toluene-d8	98	7.492	7.492	(0.805)	2053341	50.0000	52
	34 Toluene	91	7.571	7.571	(0.814)	2370004	50.0000	50
	35 trans-1,3-Dichloropropene	75	7.839	7.839	(1.353)	798755	50.0000	48
	36 1,1,2-Trichloroethane	97	8.058	8.058	(1.391)	549564	50.0000	47
	37 Tetrachloroethene	164	8.252	8.252	(0.887)	550895	50.0000	48
	38 2-Hexanone	43	8.392	8.392	(0.902)	331447	50.0000	51
	39 Dibromochloromethane	129	8.550	8.550	(1.476)	710612	50.0000	47
	40 1,2-Dibromoethane	107	8.690	8.690	(0.934)	602348	50.0000	49
*	42 Chlorobenzene-d5	117	9.305	9.305	(1.000)	1592843	50.0000	
	43 Chlorobenzene	112	9.341	9.341	(1.004)	1681264	50.0000	48
	44 Ethylbenzene	106	9.499	9.499	(1.021)	855848	50.0000	49
	45 m,p-Xylene	106	9.658	9.658	(1.038)	2164322	100.000	99
	46 o-Xylene	106	10.187	10.187	(1.095)	1039380	50.0000	51
	47 Styrene	104	10.205	10.205	(1.097)	1341624	50.0000	50
	48 Bromoform	173	10.418	10.418	(1.798)	468293	50.0000	46
	49 Isopropylbenzene	105	10.680	10.680	(1.148)	2656428	50.0000	51
$	50 Bromofluorobenzene	95	10.862	10.862	(1.167)	857008	50.0000	51
	51 1,1,2,2-Tetrachloroethane	83	11.051	11.051	(1.188)	660623	50.0000	47
M	41 Xylene (Total)	106				3203703	50.0000	150
	52 1,3-Dichlorobenzene	146	12.201	12.201	(1.311)	1353387	50.0000	49
	53 1,4-Dichlorobenzene	146	12.310	12.310	(1.323)	1452079	50.0000	49
	54 1,2-Dichlorobenzene	146	12.742	12.742	(1.369)	1327767	50.0000	49
	55 1,2-Dibromo-3-chloropropane	75	13.624	13.624	(1.464)	134032	50.0000	45
	56 1,2,4-Trichlorobenzene	180	14.549	14.549	(1.564)	743162	50.0000	49

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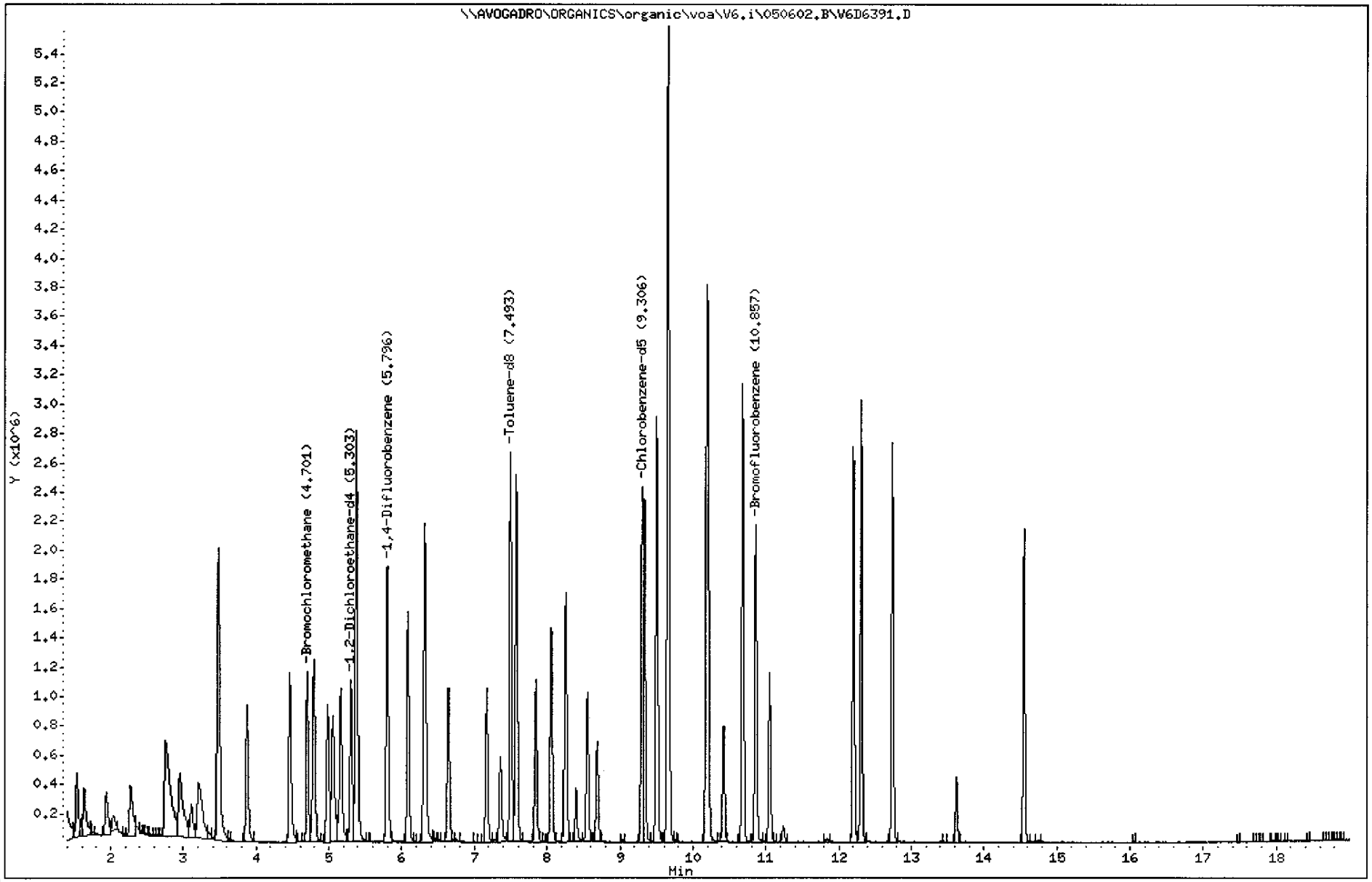
6/22/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6391.D
Date : 02-JUN-2005 09:37
Client ID: VSTD0506T
Instrument: V6.i
Sample Info: ,VSTD0506T,VSTD0506T
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0305

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6391.D
Report Date: 18-Jun-2005 11:11

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6391.D
Lab Smp Id: VSTD0506T Client Smp ID: VSTD0506T
Inj Date : 02-JUN-2005 09:37
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0506T,VSTD0506T
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 18-Jun-2005 11:11 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET5

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.373	1.373	(0.292)	570268	50.0000	40
2	Chloromethane	50	1.531	1.531	(0.326)	523085	50.0000	41
3	Vinyl Chloride	62	1.635	1.635	(0.348)	484313	50.0000	39
4	Bromomethane	94	1.945	1.945	(0.414)	328880	50.0000	40
5	Chloroethane	64	2.036	2.036	(0.434)	259111	50.0000	42
6	Trichlorofluoromethane	101	2.267	2.267	(0.483)	650705	50.0000	40
7	1,1-Dichloroethene	96	2.754	2.754	(0.587)	420809	50.0000	42
9	Acetone	43	2.791	2.791	(0.594)	148992	50.0000	33
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.766	2.766	(0.589)	365655	50.0000	41
10	Carbon Disulfide	76	2.955	2.955	(0.629)	1196402	50.0000	38
11	Methyl Acetate	43	3.107	3.107	(0.662)	294584	50.0000	45
12	Methylene Chloride	84	3.210	3.210	(0.684)	445759	50.0000	41
13	trans-1,2-Dichloroethene	96	3.472	3.472	(0.740)	516415	50.0000	41
14	Methyl tert-Butyl Ether	73	3.484	3.484	(0.742)	1366917	50.0000	45
15	1,1-Dichloroethane	63	3.873	3.873	(0.825)	1021186	50.0000	42
16	2-Butanone	43	4.482	4.482	(0.955)	226064	50.0000	39

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6391.D
Report Date: 18-Jun-2005 11:11

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17	cis-1,2-Dichloroethene	96	4.457	4.457	(0.949)	511683	50.0000	43
*	18	Bromochloromethane	128	4.695	4.695	(1.000)	362447	50.0000	
	19	Chloroform	83	4.786	4.786	(1.019)	1123870	50.0000	44
	20	1,1,1-Trichloroethane	97	4.981	4.981	(0.859)	796626	50.0000	39
	21	Cyclohexane	56	5.053	5.053	(0.872)	584383	50.0000	40
	22	Carbon Tetrachloride	117	5.163	5.163	(0.891)	791017	50.0000	39
$	23	1,2-Dichloroethane-d4	65	5.303	5.303	(1.130)	1005048	50.0000	50
	25	Benzene	78	5.376	5.376	(0.928)	1880228	50.0000	44
	24	1,2-Dichloroethane	62	5.382	5.382	(1.146)	1076944	50.0000	45
*	26	1,4-Difluorobenzene	114	5.796	5.796	(1.000)	1685950	50.0000	
	27	Trichloroethene	130	6.088	6.088	(1.050)	611428	50.0000	44
	28	Methylcyclohexane	83	6.307	6.307	(1.088)	558683	50.0000	42
	29	1,2-Dichloropropane	63	6.325	6.325	(1.091)	564203	50.0000	46
	30	Bromodichloromethane	83	6.635	6.635	(1.145)	816706	50.0000	44
	31	cis-1,3-Dichloropropene	75	7.171	7.171	(1.237)	676157	50.0000	45
	32	4-Methyl-2-Pentanone	43	7.359	7.359	(0.791)	468119	50.0000	48
$	33	Toluene-d8	98	7.493	7.493	(0.805)	2103946	50.0000	52
	34	Toluene	91	7.572	7.572	(0.814)	2157742	50.0000	45
	35	trans-1,3-Dichloropropene	75	7.840	7.840	(1.353)	738487	50.0000	44
	36	1,1,2-Trichloroethane	97	8.059	8.059	(1.390)	553496	50.0000	48
	37	Tetrachloroethene	164	8.253	8.253	(0.887)	487894	50.0000	41
	38	2-Hexanone	43	8.393	8.393	(0.902)	291184	50.0000	44
	39	Dibromochloromethane	129	8.552	8.552	(1.475)	699469	50.0000	46
	40	1,2-Dibromoethane	107	8.691	8.691	(0.934)	566960	50.0000	45
*	42	Chlorobenzene-d5	117	9.306	9.306	(1.000)	1624290	50.0000	
	43	Chlorobenzene	112	9.342	9.342	(1.004)	1577903	50.0000	45
	44	Ethylbenzene	106	9.501	9.501	(1.021)	775302	50.0000	44
	45	m,p-Xylene	106	9.659	9.659	(1.038)	2038284	100.000	91
	46	o-Xylene	106	10.188	10.188	(1.095)	965346	50.0000	47
	47	Styrene	104	10.206	10.206	(1.097)	1277167	50.0000	47
	48	Bromoform	173	10.419	10.419	(1.798)	483118	50.0000	47
	49	Isopropylbenzene	105	10.681	10.681	(1.148)	2387001	50.0000	45
$	50	Bromofluorobenzene	95	10.857	10.857	(1.167)	863170	50.0000	50
	51	1,1,2,2-Tetrachloroethane	83	11.052	11.052	(1.188)	611265	50.0000	43
M	41	Xylene (Total)	106				3003630	50.0000	140
	52	1,3-Dichlorobenzene	146	12.202	12.202	(1.311)	1267079	50.0000	45
	53	1,4-Dichlorobenzene	146	12.311	12.311	(1.323)	1396820	50.0000	46
	54	1,2-Dichlorobenzene	146	12.743	12.743	(1.369)	1297173	50.0000	46
	55	1,2-Dibromo-3-chloropropane	75	13.625	13.625	(1.464)	129227	50.0000	43
	56	1,2,4-Trichlorobenzene	180	14.550	14.550	(1.564)	713775	50.0000	46

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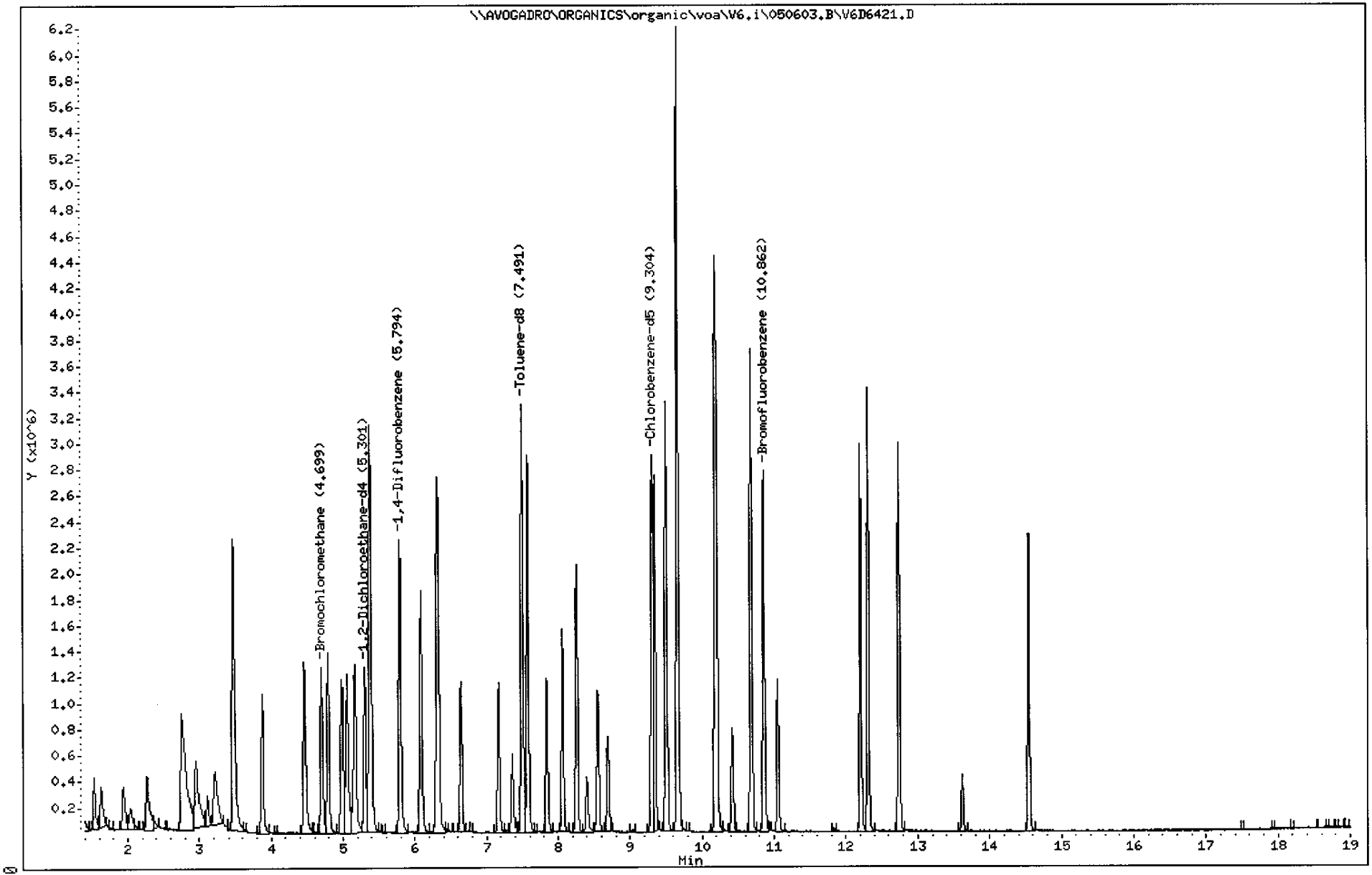
6/22/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6421.D
Date : 03-JUN-2005 11:51
Client ID: VSTD0506V
Instrument: V6.i
Sample Info: ,VSTD0506V,VSTD0506V
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



03108

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6421.D
Report Date: 03-Jun-2005 12:18

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6421.D
Lab Smp Id: VSTD0506U Client Smp ID: VSTD0506U
Inj Date : 03-JUN-2005 11:51
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0506U,VSTD0506U
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\v6clp4s.m
Meth Date : 03-Jun-2005 12:18 mtl Quant Type: ISTD
Cal Date : 03-JUN-2005 11:51 Cal File: V6D6421.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.371	1.371	(0.292)	428919	50.0000	27
2	Chloromethane	50	1.530	1.530	(0.326)	492241	50.0000	35
3	Vinyl Chloride	62	1.627	1.627	(0.346)	532898	50.0000	38
4	Bromomethane	94	1.937	1.937	(0.412)	350034	50.0000	38
5	Chloroethane	64	2.035	2.035	(0.433)	284973	50.0000	41
6	Trichlorofluoromethane	101	2.266	2.266	(0.482)	782793	50.0000	43
7	1,1-Dichloroethene	96	2.752	2.752	(0.586)	522290	50.0000	47
9	Acetone	43	2.789	2.789	(0.593)	209209	50.0000	41
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.759	2.759	(0.587)	490750	50.0000	49
10	Carbon Disulfide	76	2.953	2.953	(0.628)	1441867	50.0000	41
11	Methyl Acetate	43	3.111	3.111	(0.662)	318753	50.0000	44
12	Methylene Chloride	84	3.209	3.209	(0.683)	510671	50.0000	41
13	trans-1,2-Dichloroethene	96	3.470	3.470	(0.738)	610117	50.0000	43
14	Methyl tert-Butyl Ether	73	3.482	3.482	(0.741)	1419665	50.0000	41
15	1,1-Dichloroethane	63	3.872	3.872	(0.824)	1180255	50.0000	43
16	2-Butanone	43	4.480	4.480	(0.953)	276393	50.0000	43

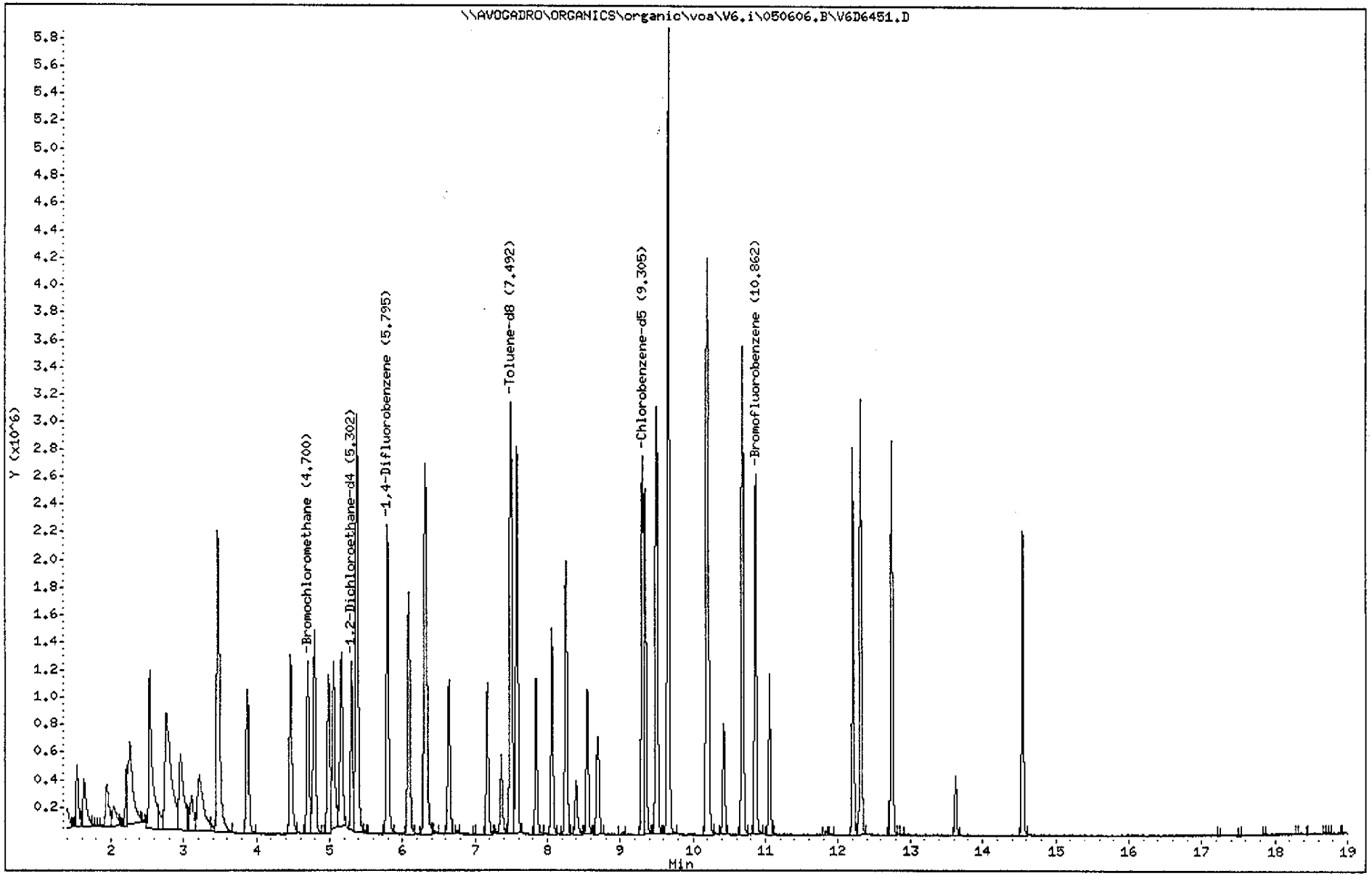
Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6421.D
Report Date: 03-Jun-2005 12:18

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17	cis-1,2-Dichloroethene	96	4.462	4.462	(0.950)	586279	50.0000	44
*	18	Bromochloromethane	128	4.699	4.699	(1.000)	407601	50.0000	
	19	Chloroform	83	4.790	4.790	(1.019)	1233092	50.0000	43
	20	1,1,1-Trichloroethane	97	4.979	4.979	(0.859)	1004768	50.0000	42
	21	Cyclohexane	56	5.052	5.052	(0.872)	830329	50.0000	49
	22	Carbon Tetrachloride	117	5.162	5.162	(0.891)	966470	50.0000	41
$	23	1,2-Dichloroethane-d4	65	5.301	5.301	(1.128)	1161644	50.0000	51
	25	Benzene	78	5.374	5.374	(0.928)	2206007	50.0000	44
	24	1,2-Dichloroethane	62	5.380	5.380	(1.145)	1165876	50.0000	43
*	26	1,4-Difluorobenzene	114	5.794	5.794	(1.000)	1978231	50.0000	
	27	Trichloroethene	130	6.086	6.086	(1.050)	730553	50.0000	45
	28	Methylcyclohexane	83	6.305	6.305	(1.088)	796134	50.0000	51
	29	1,2-Dichloropropane	63	6.317	6.317	(1.090)	631573	50.0000	44
	30	Bromodichloromethane	83	6.640	6.640	(1.146)	896572	50.0000	41
	31	cis-1,3-Dichloropropene	75	7.169	7.169	(1.237)	747787	50.0000	42
	32	4-Methyl-2-Pentanone	43	7.358	7.358	(0.791)	491901	50.0000	43
$	33	Toluene-d8	98	7.492	7.492	(0.805)	2571909	50.0000	54
	34	Toluene	91	7.571	7.571	(0.814)	2533527	50.0000	45
	35	trans-1,3-Dichloropropene	75	7.838	7.838	(1.353)	788644	50.0000	40
	36	1,1,2-Trichloroethane	97	8.063	8.063	(1.392)	565511	50.0000	41
	37	Tetrachloroethene	164	8.252	8.252	(0.887)	589242	50.0000	43
	38	2-Hexanone	43	8.398	8.398	(0.903)	339815	50.0000	44
	39	Dibromochloromethane	129	8.550	8.550	(1.476)	729419	50.0000	41
	40	1,2-Dibromoethane	107	8.684	8.684	(0.933)	616456	50.0000	42
*	42	Chlorobenzene-d5	117	9.304	9.304	(1.000)	1893817	50.0000	
	43	Chlorobenzene	112	9.341	9.341	(1.004)	1800494	50.0000	44
	44	Ethylbenzene	106	9.499	9.499	(1.021)	929651	50.0000	45
	45	m,p-Xylene	106	9.663	9.663	(1.039)	2345638	100.000	90
	46	o-Xylene	106	10.186	10.186	(1.095)	1086981	50.0000	45
	47	Styrene	104	10.205	10.205	(1.097)	1423438	50.0000	45
	48	Bromoform	173	10.424	10.424	(1.799)	474977	50.0000	40
	49	Isopropylbenzene	105	10.679	10.679	(1.148)	2828029	50.0000	46
$	50	Bromofluorobenzene	95	10.862	10.862	(1.167)	1070541	50.0000	54
	51	1,1,2,2-Tetrachloroethane	83	11.056	11.056	(1.188)	653258	50.0000	39
M	41	Xylene (Total)	106				3432619	50.0000	140
	52	1,3-Dichlorobenzene	146	12.206	12.206	(1.312)	1430498	50.0000	43
	53	1,4-Dichlorobenzene	146	12.310	12.310	(1.323)	1555747	50.0000	44
	54	1,2-Dichlorobenzene	146	12.741	12.741	(1.369)	1400651	50.0000	43
	55	1,2-Dibromo-3-chloropropane	75	13.624	13.624	(1.464)	132425	50.0000	38
	56	1,2,4-Trichlorobenzene	180	14.548	14.548	(1.564)	793909	50.0000	44

KL
6/22/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6451.D
Date : 06-JUN-2005 09:40
Client ID: VSTD0506X
Sample Info: ,VSTD0506X,VSTD0506X
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i
Operator: SB SRC: SB
Column diameter: 0.25



0311

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6451.D
Report Date: 07-Jun-2005 10:14

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6451.D
Lab Smp Id: VSTD0506X Client Smp ID: VSTD0506X
Inj Date : 06-JUN-2005 09:40
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0506X,VSTD0506X
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\v6clp4s.m
Meth Date : 06-Jun-2005 12:33 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 09:40 Cal File: V6D6451.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4_THF.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

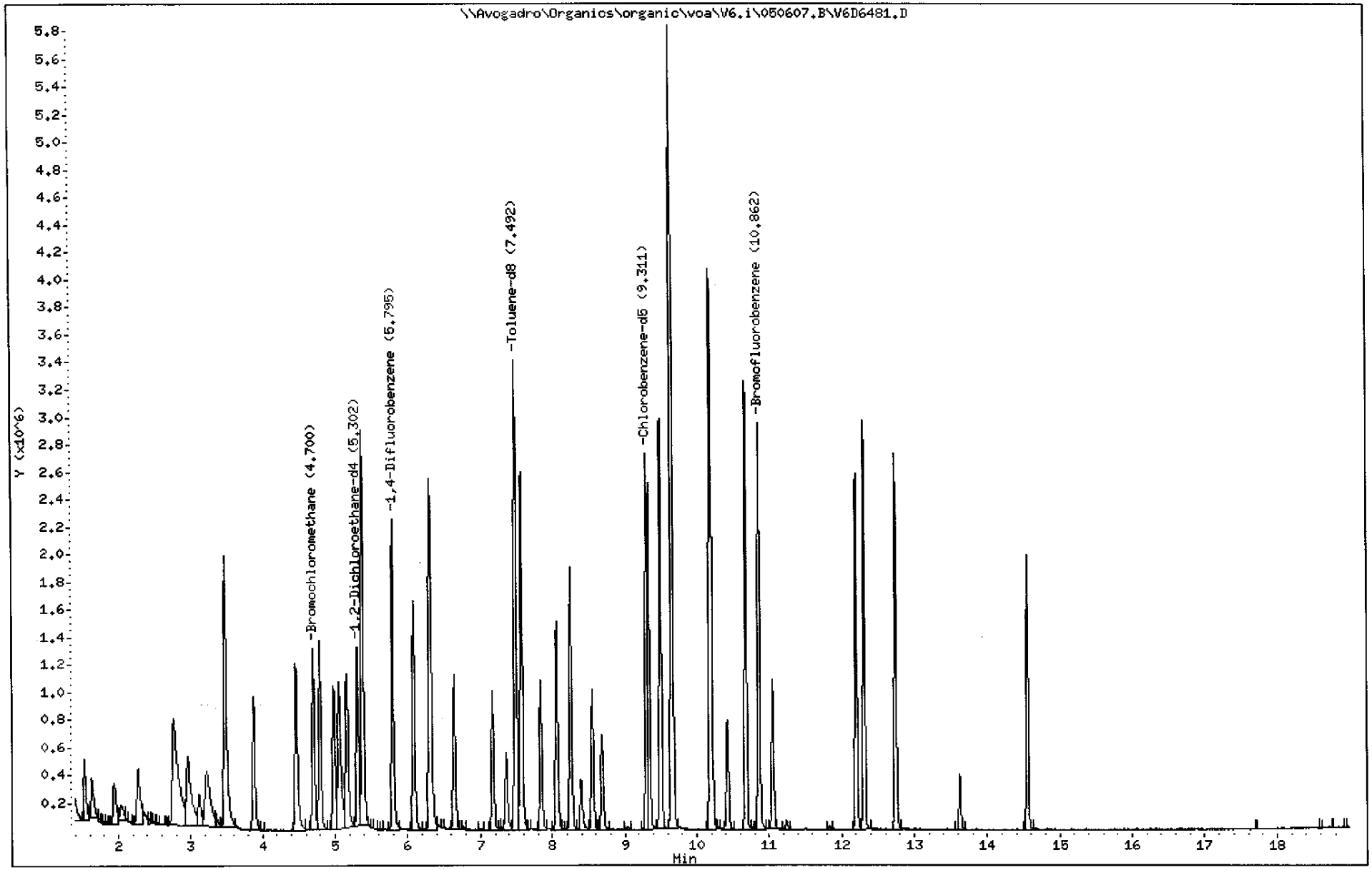
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1 Dichlorodifluoromethane	85	1.372	1.372	(0.292)	765309	50.0000	47
2 Chloromethane	50	1.530	1.530	(0.326)	620317	50.0000	47
3 Vinyl Chloride	62	1.634	1.634	(0.348)	606639	50.0000	47
4 Bromomethane	94	1.950	1.950	(0.415)	386099	50.0000	52
5 Chloroethane	64	2.053	2.053	(0.437)	282654	50.0000	49
6 Trichlorofluoromethane	101	2.266	2.266	(0.482)	843833	50.0000	51
7 1,1-Dichloroethene	96	2.753	2.753	(0.586)	490686	50.0000	47
8 1,1,2-Trichloro-1,2,2-trifluo	101	2.765	2.765	(0.588)	507687	50.0000	52
9 Acetone	43	2.796	2.796	(0.595)	197528	50.0000	50
10 Carbon Disulfide	76	2.954	2.954	(0.628)	1501040	50.0000	47
11 Methyl Acetate	43	3.106	3.106	(0.661)	288222	50.0000	44
12 Methylene Chloride	84	3.221	3.221	(0.685)	504149	50.0000	46
13 trans-1,2-Dichloroethene	96	3.465	3.465	(0.737)	594267	50.0000	47
14 Methyl tert-Butyl Ether	73	3.483	3.483	(0.741)	1403409	50.0000	47
15 1,1-Dichloroethane	63	3.872	3.872	(0.824)	1154961	50.0000	48
17 cis-1,2-Dichloroethene	96	4.463	4.463	(0.950)	563952	50.0000	48

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6451.D
Report Date: 07-Jun-2005 10:14

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	16	2-Butanone	43	4.475	4.475	(0.952)	261634	50.0000	52
*	18	Bromochloromethane	128	4.700	4.700	(1.000)	396775	50.0000	
	76	Tetrahydrofuran	72	4.773	4.773	(1.016)	67681	250.000	240
	19	Chloroform	83	4.791	4.791	(1.019)	1248096	50.0000	47
	20	1,1,1-Trichloroethane	97	4.986	4.986	(0.860)	987710	50.0000	46
	21	Cyclohexane	56	5.053	5.053	(0.872)	821559	50.0000	48
	22	Carbon Tetrachloride	117	5.162	5.162	(0.891)	1001869	50.0000	47
$	23	1,2-Dichloroethane-d4	65	5.302	5.302	(1.128)	1152070	50.0000	48
	25	Benzene	78	5.375	5.375	(0.928)	2059083	50.0000	47
	24	1,2-Dichloroethane	62	5.381	5.381	(1.145)	1136645	50.0000	47
*	26	1,4-Difluorobenzene	114	5.795	5.795	(1.000)	1946418	50.0000	
	27	Trichloroethene	130	6.087	6.087	(1.050)	698817	50.0000	48
	28	Methylcyclohexane	83	6.306	6.306	(1.088)	805091	50.0000	49
	29	1,2-Dichloropropane	63	6.324	6.324	(1.091)	604336	50.0000	47
	30	Bromodichloromethane	83	6.640	6.640	(1.146)	855368	50.0000	46
	31	cis-1,3-Dichloropropene	75	7.170	7.170	(1.237)	695830	50.0000	47
	32	4-Methyl-2-Pentanone	43	7.358	7.358	(0.791)	459874	50.0000	51
$	33	Toluene-d8	98	7.492	7.492	(0.805)	2503001	50.0000	50
	34	Toluene	91	7.571	7.571	(0.814)	2378438	50.0000	50
	35	trans-1,3-Dichloropropene	75	7.845	7.845	(1.354)	750563	50.0000	46
	36	1,1,2-Trichloroethane	97	8.064	8.064	(1.392)	545347	50.0000	46
	37	Tetrachloroethene	164	8.259	8.259	(0.888)	565055	50.0000	48
	38	2-Hexanone	43	8.399	8.399	(0.903)	309502	50.0000	51
	39	Dibromochloromethane	129	8.557	8.557	(1.477)	707004	50.0000	47
	40	1,2-Dibromoethane	107	8.691	8.691	(0.934)	574128	50.0000	46
*	42	Chlorobenzene-d5	117	9.305	9.305	(1.000)	1808101	50.0000	
	43	Chlorobenzene	112	9.341	9.341	(1.004)	1674791	50.0000	47
	44	Ethylbenzene	106	9.506	9.506	(1.022)	863895	50.0000	50
	45	m,p-Xylene	106	9.664	9.664	(1.039)	2201687	100.000	100
	46	o-Xylene	106	10.187	10.187	(1.095)	1016938	50.0000	51
	47	Styrene	104	10.205	10.205	(1.097)	1371081	50.0000	50
	48	Bromoform	173	10.424	10.424	(1.799)	475142	50.0000	46
	49	Isopropylbenzene	105	10.680	10.680	(1.148)	2653675	50.0000	52
$	50	Bromofluorobenzene	95	10.862	10.862	(1.167)	1030535	50.0000	50
	51	1,1,2,2-Tetrachloroethane	83	11.057	11.057	(1.188)	612067	50.0000	45
M	41	Xylene (Total)	106				3218625	50.0000	150
	52	1,3-Dichlorobenzene	146	12.201	12.201	(1.311)	1333811	50.0000	49
	53	1,4-Dichlorobenzene	146	12.310	12.310	(1.323)	1448309	50.0000	50
	54	1,2-Dichlorobenzene	146	12.742	12.742	(1.369)	1345826	50.0000	50
	55	1,2-Dibromo-3-chloropropane	75	13.624	13.624	(1.464)	132575	50.0000	46
	56	1,2,4-Trichlorobenzene	180	14.555	14.555	(1.564)	731232	50.0000	50

SB
6/7/05

Data File: \\Avogadro\Organics\organic\voa\V6.i\050607.B\V6D6481.D
Date : 07-JUN-2005 09:57
Client ID: VSTD0506Y
Instrument: V6.i
Sample Info: ,VSTD0506Y,VSTD0506Y
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0314

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050607.B\V6D6481.D
Report Date: 15-Jun-2005 17:15

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050607.B\V6D6481.D
Lab Smp Id: VSTD0506Y Client Smp ID: VSTD0506Y
Inj Date : 07-JUN-2005 09:57
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0506Y,VSTD0506Y
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050607.B\v6clp4s.m
Meth Date : 15-Jun-2005 17:15 mtl Quant Type: ISTD
Cal Date : 07-JUN-2005 09:57 Cal File: V6D6481.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

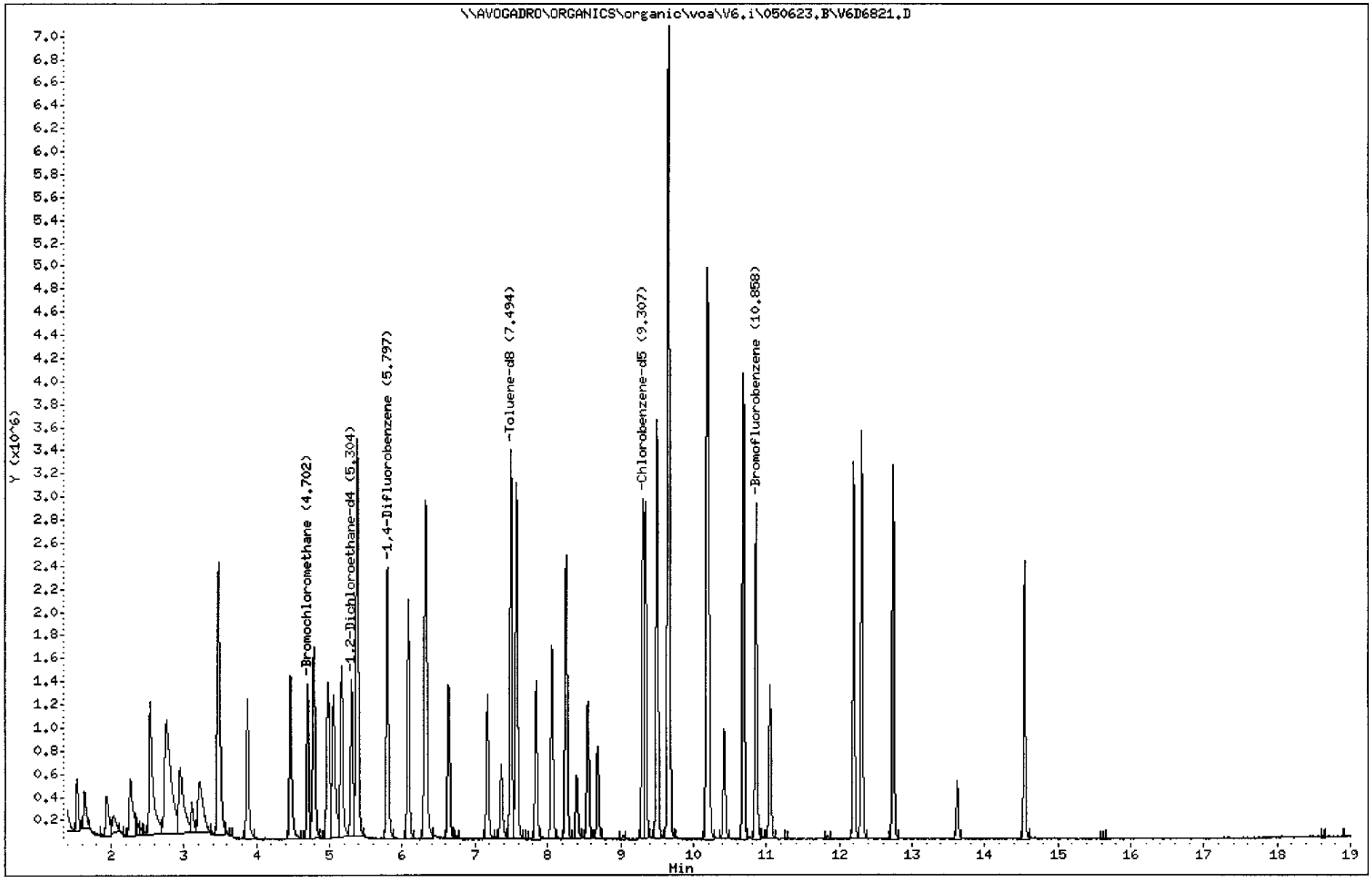
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.372	1.372	(0.292)	743111	50.0000	45
2	Chloromethane	50	1.530	1.530	(0.326)	574203	50.0000	43
3	Vinyl Chloride	62	1.634	1.634	(0.348)	555853	50.0000	43
4	Bromomethane	94	1.944	1.944	(0.414)	348465	50.0000	46
5	Chloroethane	64	2.047	2.047	(0.436)	280140	50.0000	48
6	Trichlorofluoromethane	101	2.273	2.273	(0.484)	596846	50.0000	35
7	1,1-Dichloroethene	96	2.759	2.759	(0.587)	438771	50.0000	42
9	Acetone	43	2.796	2.796	(0.595)	195850	50.0000	49
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.777	2.777	(0.591)	471042	50.0000	47
10	Carbon Disulfide	76	2.954	2.954	(0.629)	1347942	50.0000	41
11	Methyl Acetate	43	3.112	3.112	(0.662)	291213	50.0000	43
12	Methylene Chloride	84	3.209	3.209	(0.683)	486939	50.0000	43
13	trans-1,2-Dichloroethene	96	3.471	3.471	(0.739)	546712	50.0000	42
14	Methyl tert-Butyl Ether	73	3.483	3.483	(0.741)	1341755	50.0000	44
15	1,1-Dichloroethane	63	3.878	3.878	(0.825)	1069425	50.0000	44
16	2-Butanone	43	4.487	4.487	(0.955)	257017	50.0000	50

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050607.B\V6D6481.D
Report Date: 15-Jun-2005 17:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.463	4.463	(0.950)	523400	50.0000	44
*	18 Bromochloromethane	128	4.700	4.700	(1.000)	404445	50.0000	
	19 Chloroform	83	4.791	4.791	(1.019)	1164205	50.0000	43
	20 1,1,1-Trichloroethane	97	4.986	4.986	(0.860)	850956	50.0000	41
	21 Cyclohexane	56	5.059	5.059	(0.873)	711133	50.0000	42
	22 Carbon Tetrachloride	117	5.162	5.162	(0.891)	872748	50.0000	42
$	23 1,2-Dichloroethane-d4	65	5.302	5.302	(1.128)	1251617	50.0000	51
	25 Benzene	78	5.375	5.375	(0.928)	1946255	50.0000	46
	24 1,2-Dichloroethane	62	5.387	5.387	(1.146)	1121451	50.0000	46
*	26 1,4-Difluorobenzene	114	5.795	5.795	(1.000)	1915235	50.0000	
	27 Trichloroethene	130	6.087	6.087	(1.050)	628472	50.0000	44
	28 Methylcyclohexane	83	6.312	6.312	(1.089)	702358	50.0000	44
	29 1,2-Dichloropropane	63	6.324	6.324	(1.091)	581580	50.0000	46
	30 Bromodichloromethane	83	6.640	6.640	(1.146)	822220	50.0000	45
	31 cis-1,3-Dichloropropene	75	7.170	7.170	(1.237)	647376	50.0000	44
	32 4-Methyl-2-Pentanone	43	7.364	7.364	(0.791)	439161	50.0000	48
$	33 Toluene-d8	98	7.492	7.492	(0.805)	2717954	50.0000	54
	34 Toluene	91	7.577	7.577	(0.814)	2213484	50.0000	47
	35 trans-1,3-Dichloropropene	75	7.845	7.845	(1.354)	693380	50.0000	43
	36 1,1,2-Trichloroethane	97	8.064	8.064	(1.392)	534160	50.0000	45
	37 Tetrachloroethene	164	8.259	8.259	(0.888)	520571	50.0000	44
	38 2-Hexanone	43	8.399	8.399	(0.903)	286601	50.0000	47
	39 Dibromochloromethane	129	8.557	8.557	(1.477)	690074	50.0000	46
	40 1,2-Dibromoethane	107	8.691	8.691	(0.934)	575918	50.0000	46
*	42 Chlorobenzene-d5	117	9.305	9.305	(1.000)	1812708	50.0000	
	43 Chlorobenzene	112	9.341	9.341	(1.004)	1630688	50.0000	46
	44 Ethylbenzene	106	9.506	9.506	(1.022)	802075	50.0000	46
	45 m,p-Xylene	106	9.664	9.664	(1.039)	2096155	100.000	95
	46 o-Xylene	106	10.187	10.187	(1.095)	947912	50.0000	47
	47 Styrene	104	10.205	10.205	(1.097)	1254452	50.0000	46
	48 Bromoform	173	10.424	10.424	(1.799)	456937	50.0000	45
	49 Isopropylbenzene	105	10.680	10.680	(1.148)	2438722	50.0000	48
$	50 Bromofluorobenzene	95	10.862	10.862	(1.167)	1100372	50.0000	53
	51 1,1,2,2-Tetrachloroethane	83	11.057	11.057	(1.188)	579890	50.0000	43
M	41 Xylene (Total)	106				3044067	50.0000	140
	52 1,3-Dichlorobenzene	146	12.207	12.207	(1.312)	1247317	50.0000	46
	53 1,4-Dichlorobenzene	146	12.310	12.310	(1.323)	1382688	50.0000	47
	54 1,2-Dichlorobenzene	146	12.742	12.742	(1.369)	1236825	50.0000	46
	55 1,2-Dibromo-3-chloropropane	75	13.624	13.624	(1.464)	119070	50.0000	41
	56 1,2,4-Trichlorobenzene	180	14.555	14.555	(1.564)	629040	50.0000	43

KL
6/27/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6821.D
Date : 23-JUN-2005 09:25
Client ID: VSTD0506Q
Instrument: V6.i
Sample Info: ,VSTD0506Q,VSTD0506Q
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0136

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6821.D
Report Date: 24-Jun-2005 13:29

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6821.D
Lab Smp Id: VSTD0506Q Client Smp ID: VSTD0506Q
Inj Date : 23-JUN-2005 09:25
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VSTD0506Q,VSTD0506Q
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\v6clp4s.m
Meth Date : 24-Jun-2005 13:28 mtl Quant Type: ISTD
Cal Date : 23-JUN-2005 09:25 Cal File: V6D6821.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.368	1.368	(0.291)	852785	50.0000	50
2	Chloromethane	50	1.526	1.526	(0.325)	659242	50.0000	48
3	Vinyl Chloride	62	1.630	1.630	(0.347)	673188	50.0000	50
4	Bromomethane	94	1.940	1.940	(0.413)	433323	50.0000	56
5	Chloroethane	64	2.031	2.031	(0.432)	347782	50.0000	58
6	Trichlorofluoromethane	101	2.269	2.269	(0.482)	1020847	50.0000	59
7	1,1-Dichloroethene	96	2.749	2.749	(0.585)	585776	50.0000	54
9	Acetone	43	2.792	2.792	(0.594)	304172	50.0000	74
8	1,1,2-Trichloro-1,2,2-trifluo	101	2.767	2.767	(0.589)	568178	50.0000	56
10	Carbon Disulfide	76	2.956	2.956	(0.629)	1658716	50.0000	50
11	Methyl Acetate	43	3.108	3.108	(0.661)	361806	50.0000	52
12	Methylene Chloride	84	3.224	3.224	(0.686)	594071	50.0000	52
13	trans-1,2-Dichloroethene	96	3.467	3.467	(0.737)	655256	50.0000	49
14	Methyl tert-Butyl Ether	73	3.485	3.485	(0.741)	1594570	50.0000	51
15	1,1-Dichloroethane	63	3.875	3.875	(0.824)	1310962	50.0000	52
16	2-Butanone	43	4.483	4.483	(0.953)	383379	50.0000	73

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6821.D
Report Date: 24-Jun-2005 13:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	17 cis-1,2-Dichloroethene	96	4.459	4.459	(0.948)	602797	50.0000	49
*	18 Bromochloromethane	128	4.702	4.702	(1.000)	413876	50.0000	
	19 Chloroform	83	4.787	4.787	(1.018)	1452670	50.0000	53
	20 1,1,1-Trichloroethane	97	4.982	4.982	(0.859)	1144292	50.0000	53
	21 Cyclohexane	56	5.055	5.055	(0.872)	874304	50.0000	50
	22 Carbon Tetrachloride	117	5.164	5.164	(0.891)	1151294	50.0000	53
$	23 1,2-Dichloroethane-d4	65	5.304	5.304	(1.128)	1308259	50.0000	52
	25 Benzene	78	5.371	5.371	(0.927)	2267340	50.0000	51
	24 1,2-Dichloroethane	62	5.383	5.383	(1.145)	1381066	50.0000	55
*	26 1,4-Difluorobenzene	114	5.797	5.797	(1.000)	1993213	50.0000	
	27 Trichloroethene	130	6.083	6.083	(1.049)	765436	50.0000	51
	28 Methylcyclohexane	83	6.308	6.308	(1.088)	805169	50.0000	48
	29 1,2-Dichloropropane	63	6.320	6.320	(1.090)	646614	50.0000	49
	30 Bromodichloromethane	83	6.636	6.636	(1.145)	1016367	50.0000	53
	31 cis-1,3-Dichloropropene	75	7.166	7.166	(1.236)	797160	50.0000	52
	32 4-Methyl-2-Pentanone	43	7.360	7.360	(0.791)	504481	50.0000	55
$	33 Toluene-d8	98	7.494	7.494	(0.805)	2598118	50.0000	51
	34 Toluene	91	7.573	7.573	(0.814)	2628879	50.0000	55
	35 trans-1,3-Dichloropropene	75	7.841	7.841	(1.353)	885681	50.0000	53
	36 1,1,2-Trichloroethane	97	8.060	8.060	(1.390)	602763	50.0000	49
	37 Tetrachloroethene	164	8.255	8.255	(0.887)	688409	50.0000	58
	38 2-Hexanone	43	8.395	8.395	(0.902)	430458	50.0000	69
	39 Dibromochloromethane	129	8.553	8.553	(1.475)	819051	50.0000	53
	40 1,2-Dibromoethane	107	8.687	8.687	(0.933)	673546	50.0000	54
*	42 Chlorobenzene-d5	117	9.307	9.307	(1.000)	1836028	50.0000	
	43 Chlorobenzene	112	9.344	9.344	(1.004)	1923986	50.0000	54
	44 Ethylbenzene	106	9.502	9.502	(1.021)	953291	50.0000	54
	45 m,p-Xylene	106	9.660	9.660	(1.038)	2481154	100.000	110
	46 o-Xylene	106	10.189	10.189	(1.095)	1125710	50.0000	55
	47 Styrene	104	10.201	10.201	(1.096)	1512187	50.0000	55
	48 Bromoform	173	10.420	10.420	(1.798)	560611	50.0000	53
	49 Isopropylbenzene	105	10.682	10.682	(1.148)	3039022	50.0000	59
$	50 Bromofluorobenzene	95	10.858	10.858	(1.167)	1085485	50.0000	52
	51 1,1,2,2-Tetrachloroethane	83	11.053	11.053	(1.188)	690626	50.0000	50
M	41 Xylene (Total)	106				3606864	50.0000	170
	52 1,3-Dichlorobenzene	146	12.203	12.203	(1.311)	1455139	50.0000	53
	53 1,4-Dichlorobenzene	146	12.312	12.312	(1.323)	1643159	50.0000	55
	54 1,2-Dichlorobenzene	146	12.744	12.744	(1.369)	1469257	50.0000	54
	55 1,2-Dibromo-3-chloropropane	75	13.620	13.620	(1.463)	154451	50.0000	53
	56 1,2,4-Trichlorobenzene	180	14.551	14.551	(1.563)	764739	50.0000	52

SB 6/24/05

Data File: \\AVOCADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6360.D

Date : 01-JUN-2005 09:42

Client ID: BFB6Q

Instrument: v6.i

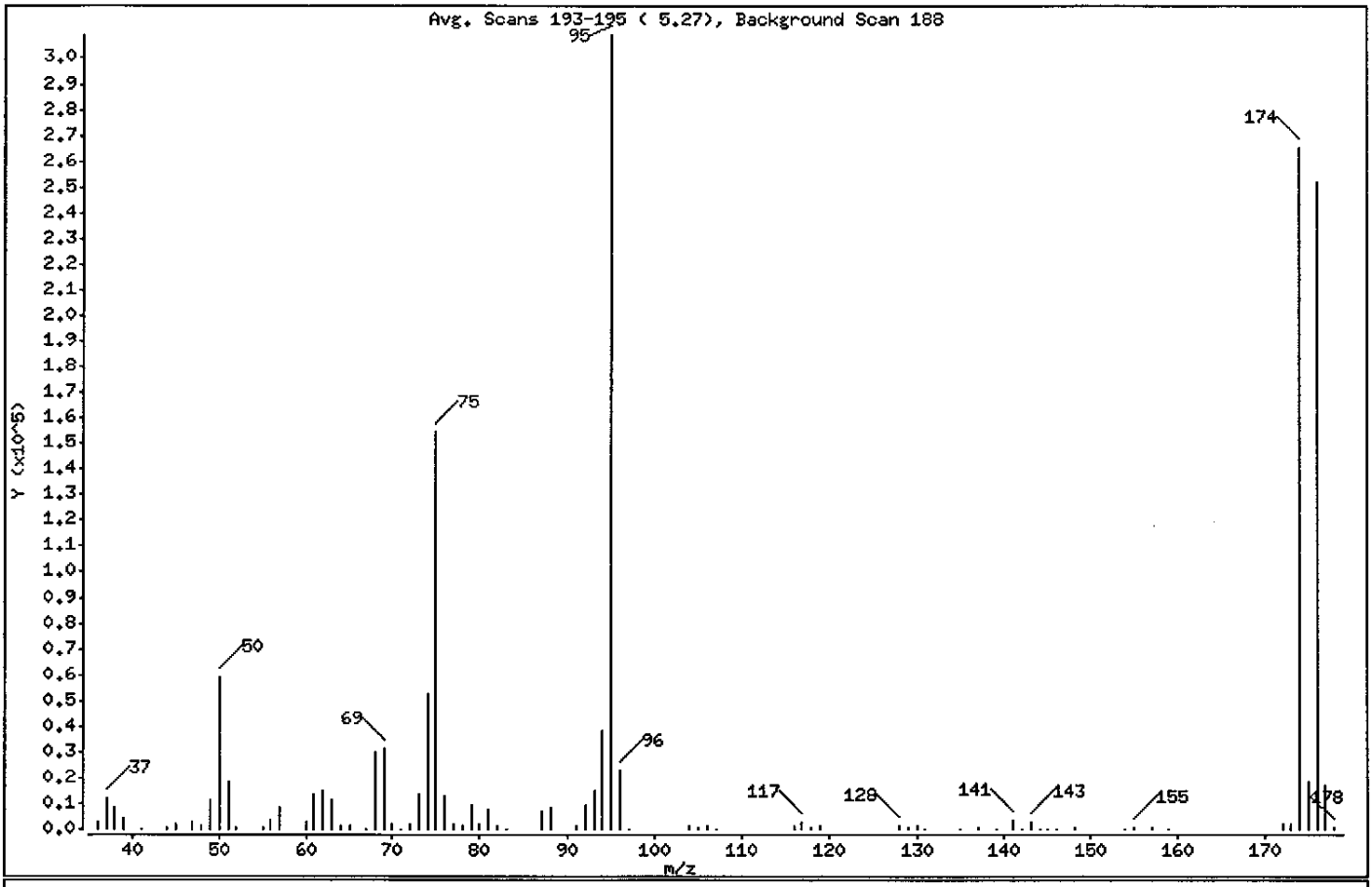
Sample Info: ,BFB6Q,BFB6Q

Operator: SB

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.17
75	30.00 - 66.00% of mass 95	50.06
96	5.00 - 9.00% of mass 95	7.27
173	Less than 2.00% of mass 174	0.79 (0.92)
174	50.00 - 120.00% of mass 95	86.03
175	4.00 - 9.00% of mass 174	6.06 (7.04)
176	93.00 - 101.00% of mass 174	81.50 (94.73)
177	5.00 - 9.00% of mass 176	5.60 (6.87)

COPY

Original Documents Are Included in CSF_____

Signed:_____ Date:_____

Date : 01-JUN-2005 09:42

Client ID: BFB6Q Instrument: v6.i

Sample Info: ,BFB6Q,BFB6Q

Operator: SB

Column phase: DB-624 Column diameter: 0.25

Data File: V6D6360.D
Spectrum: Avg. Scans 193-195 (5.27), Background Scan 188
Location of Maximum: 95.00
Number of points: 81

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2905	65.00	1399	92.00	8998	141.00	3747
37.00	12246	67.00	323	93.00	14623	142.00	210
38.00	8509	68.00	29992	94.00	38104	143.00	2937
39.00	4499	69.00	31480	95.00	308864	144.00	247
41.00	182	70.00	2261	96.00	22456	145.00	345
44.00	633	71.00	278	97.00	180	146.00	271
45.00	1958	72.00	2001	104.00	1388	148.00	637
47.00	3081	73.00	13403	105.00	850	154.00	186
48.00	1725	74.00	52496	106.00	1130	155.00	871
49.00	11553	75.00	154624	107.00	342	157.00	705
50.00	59216	76.00	13075	116.00	1590	159.00	192
51.00	18512	77.00	2237	117.00	2672	172.00	1877
52.00	851	78.00	1603	118.00	782	173.00	2445
55.00	923	79.00	9281	119.00	1488	174.00	265728
56.00	3714	80.00	2433	128.00	1642	175.00	18712
57.00	8459	81.00	7988	129.00	557	176.00	251712
60.00	2839	82.00	1522	130.00	1232	177.00	17288
61.00	13774	83.00	340	131.00	180	178.00	381
62.00	15085	87.00	7385	135.00	316		
63.00	11257	88.00	8555	137.00	372		
64.00	1608	91.00	1217	139.00	184		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601.B\V6D6360.D

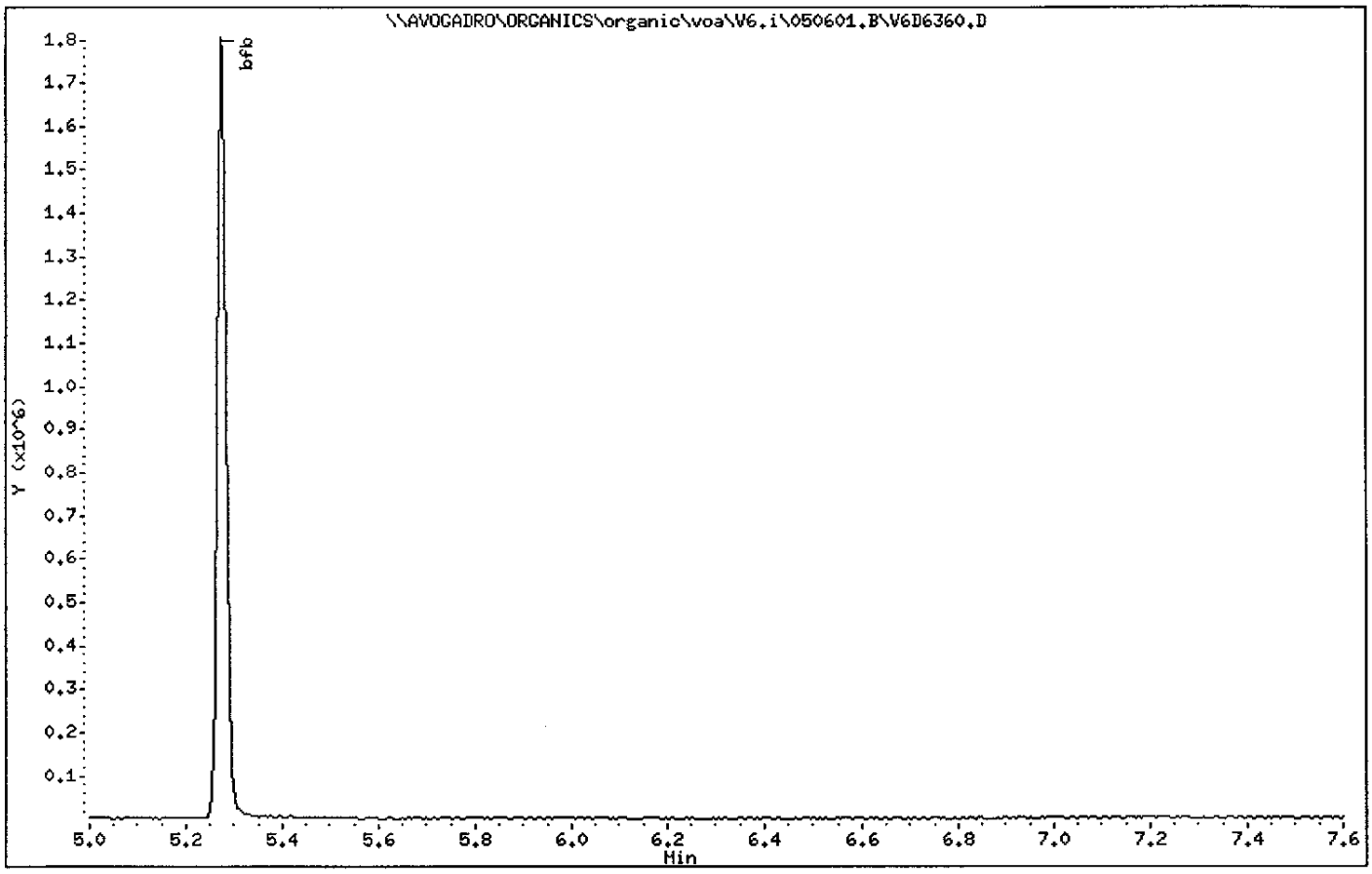
Date : 01-JUN-2005 09:42

Client ID: BFB6Q Instrument: v6.i

Sample Info: ,BFB6Q,BFB6Q

Operator: SB

Column phase: DB-624 Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V6.i\050601A.B\V6D6370.D

Date : 01-JUN-2005 12:39

Client ID: BFB6R

Instrument: v6.i

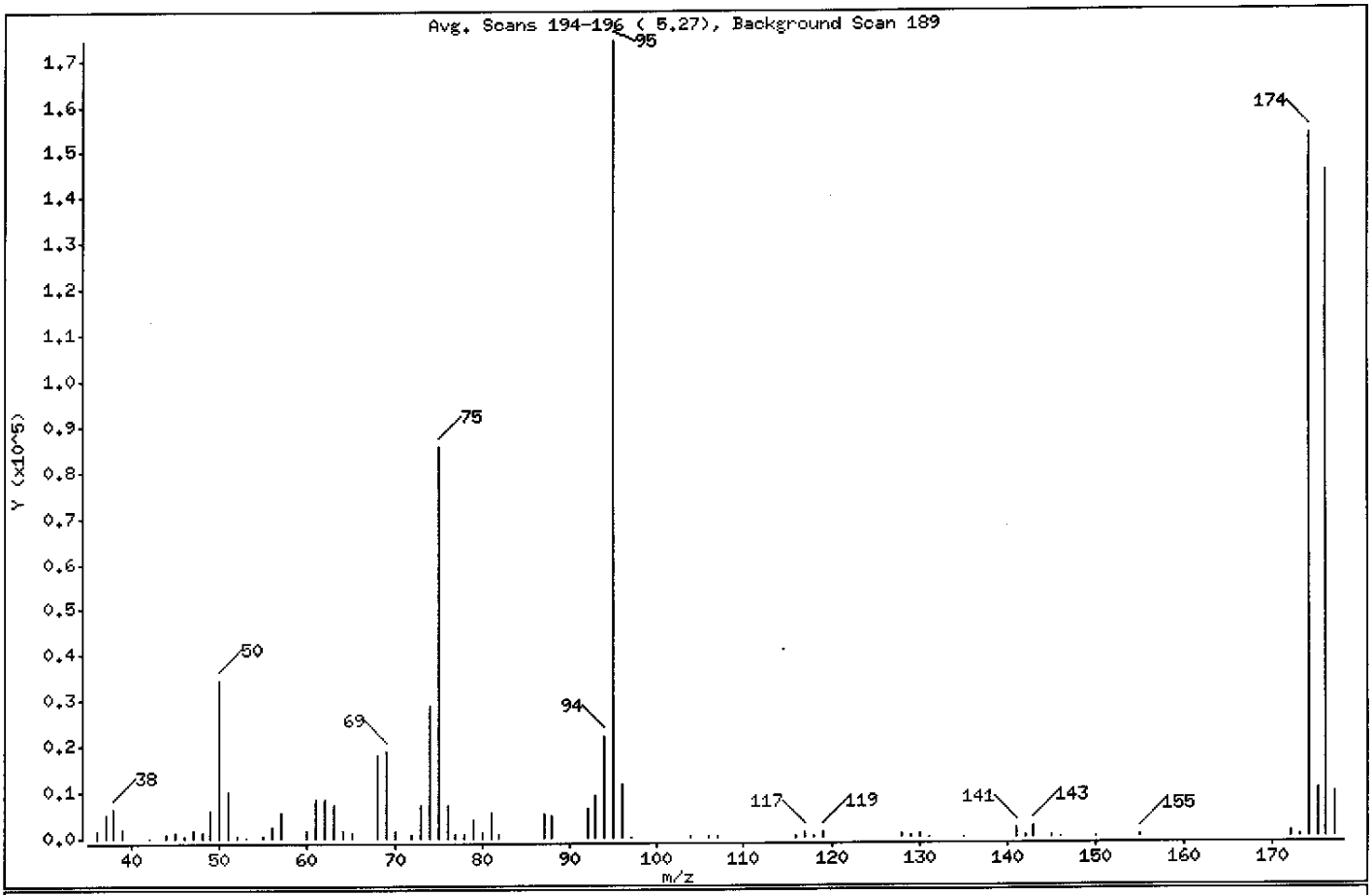
Sample Info: ,BFB6R,BFB6R

Operator: SB

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.91
75	30.00 - 66.00% of mass 95	49.05
96	5.00 - 9.00% of mass 95	6.63
173	Less than 2.00% of mass 174	0.22 (0.25)
174	50.00 - 120.00% of mass 95	88.03
175	4.00 - 9.00% of mass 174	5.91 (6.71)
176	93.00 - 101.00% of mass 174	83.51 (94.87)
177	5.00 - 9.00% of mass 176	5.48 (6.56)

Data File: \\Avogadro\Organics\organic\voa\V6.i\050601A.B\V6D6370.D

Date : 01-JUN-2005 12:39

Client ID: BFB6R

Instrument: v6.i

Sample Info: ,BFB6R,BFB6R

Operator: SB

Column phase: DB-624

Column diameter: 0.25

Data File: V6D6370.D
Spectrum: Avg. Scans 194-196 (5.27), Background Scan 189
Location of Maximum: 95.00
Number of points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1656	60.00	1777	81.00	5516	129.00	232
37.00	5238	61.00	8372	82.00	770	130.00	857
38.00	6618	62.00	8629	87.00	5387	131.00	174
39.00	2013	63.00	7128	88.00	4662	135.00	178
42.00	194	64.00	1506	92.00	6294	141.00	2017
44.00	613	65.00	1311	93.00	9134	142.00	399
45.00	1136	68.00	17872	94.00	22200	143.00	2554
46.00	269	69.00	18808	95.00	174272	145.00	262
47.00	1416	70.00	1635	96.00	11558	146.00	183
48.00	1302	72.00	621	97.00	191	150.00	177
49.00	6147	73.00	7226	104.00	469	155.00	571
50.00	34696	74.00	28768	106.00	503	172.00	1322
51.00	10079	75.00	85488	107.00	226	173.00	380
52.00	451	76.00	7161	116.00	270	174.00	153408
53.00	198	77.00	894	117.00	1251	175.00	10292
55.00	278	78.00	750	118.00	313	176.00	145536
56.00	2407	79.00	4140	119.00	1099	177.00	9548
57.00	5742	80.00	1369	128.00	720		

Data File: \\Avogadro\Organics\organic\voa\V6.i\050601A.B\V6D6370.D

Date : 01-JUN-2005 12:39

Client ID: BFB6R

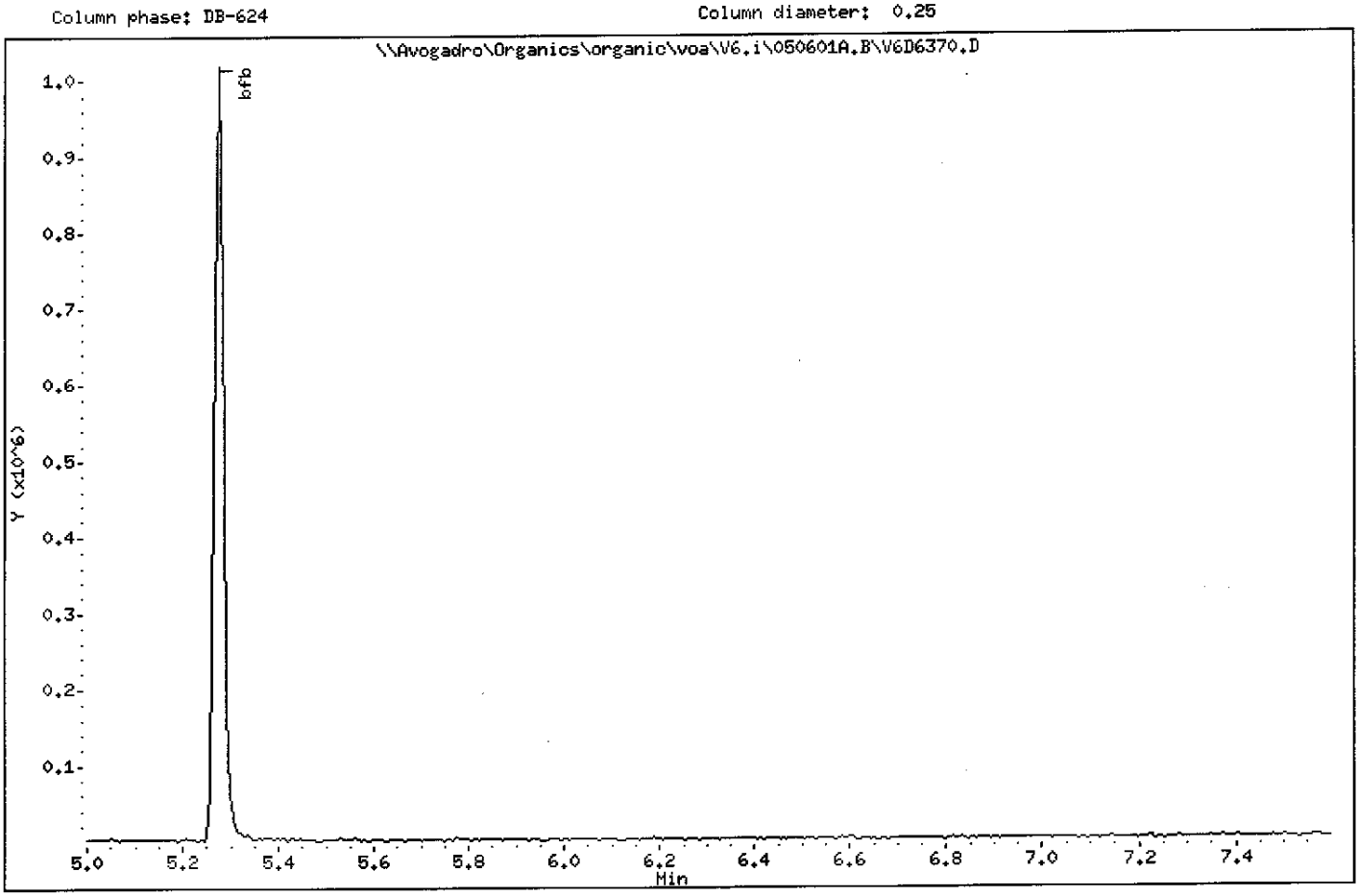
Instrument: v6.i

Sample Info: ,BFB6R,BFB6R

Operator: SB

Column phase: DB-624

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V6.i\050602.B\V6D6390.D

Date : 02-JUN-2005 09:12

Client ID: BFB6T

Instrument: v6.i

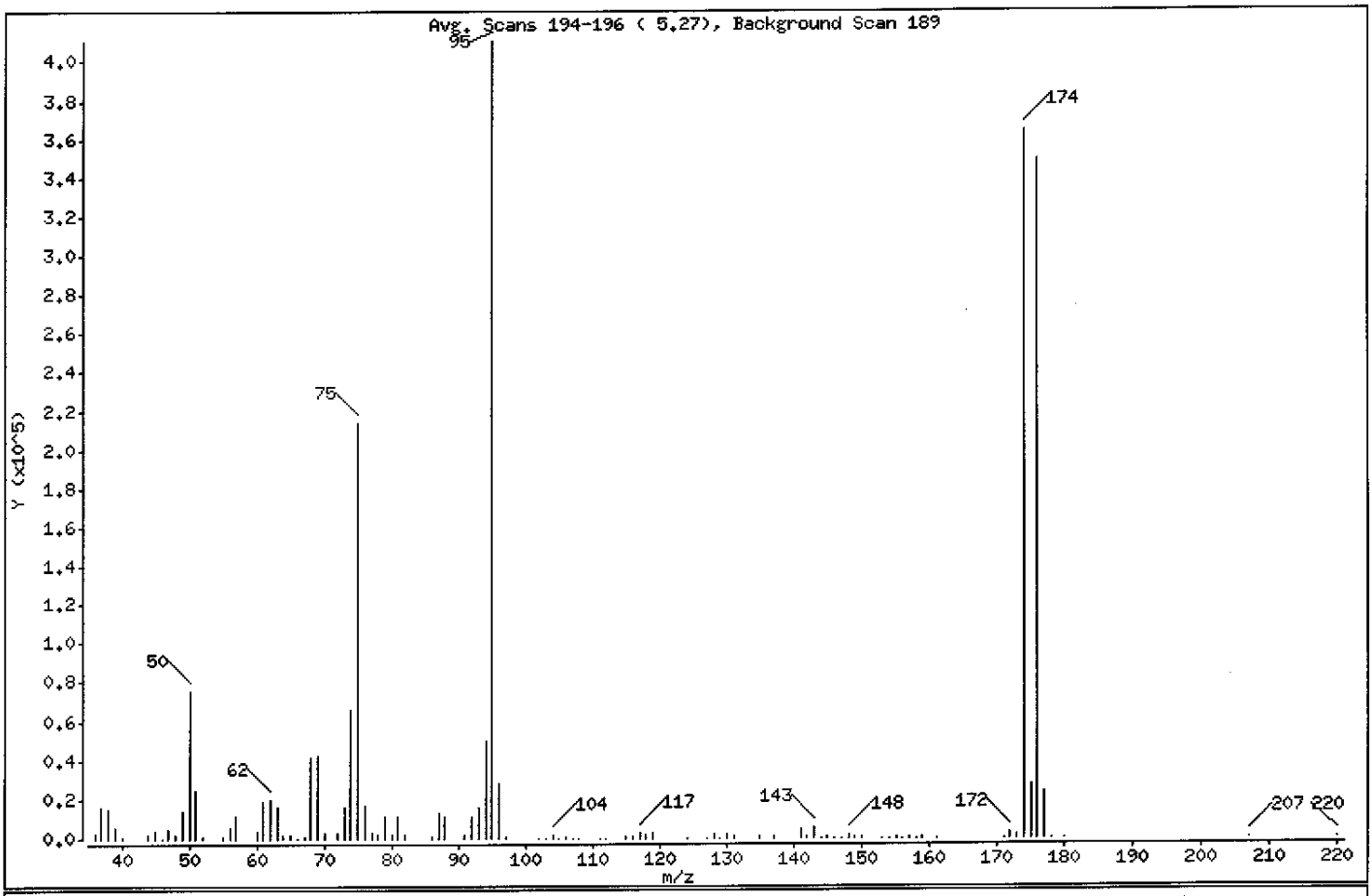
Sample Info: ,BFB6T,BFB6T

Operator: SB

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	18.43
75	30.00 - 66.00% of mass 95	52.04
96	5.00 - 9.00% of mass 95	6.84
173	Less than 2.00% of mass 174	0.51 (0.58)
174	50.00 - 120.00% of mass 95	88.68
175	4.00 - 9.00% of mass 174	6.72 (7.58)
176	93.00 - 101.00% of mass 174	84.94 (95.78)
177	5.00 - 9.00% of mass 176	5.79 (6.81)

Data File: \\Avogadro\Organics\organic\voa\V6.i\050602.B\V6D6390.D

Date : 02-JUN-2005 09:12

Client ID: BFB6T

Instrument: v6.i

Sample Info: ,BFB6T,BFB6T

Operator: SB

Column phase: DB-624

Column diameter: 0.25

Data File: V6D6390.D
Spectrum: Avg. Scans 194-196 (5.27), Background Scan 189
Location of Maximum: 95.00
Number of points: 100

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2574	69.00	42560	105.00	245	148.00	1486
37.00	15896	70.00	3229	106.00	1313	149.00	501
38.00	14707	72.00	2605	107.00	218	150.00	681
39.00	5778	73.00	16320	108.00	227	153.00	216
40.00	709	74.00	66712	111.00	417	154.00	401
44.00	1793	75.00	213824	112.00	202	155.00	741
45.00	3372	76.00	17488	115.00	552	156.00	435
46.00	447	77.00	2483	116.00	1373	157.00	775
47.00	4814	78.00	1563	117.00	3206	158.00	273
48.00	2239	79.00	11013	118.00	1968	159.00	541
49.00	14574	80.00	2279	119.00	2617	161.00	170
50.00	75728	81.00	10954	124.00	217	171.00	179
51.00	24688	82.00	1813	127.00	170	172.00	3090
52.00	957	86.00	638	128.00	1593	173.00	2109
55.00	1073	87.00	13574	129.00	471	174.00	364352
56.00	5649	88.00	11252	130.00	1545	175.00	27600
57.00	11345	91.00	1528	131.00	696	176.00	348992
60.00	4082	92.00	11619	135.00	1019	177.00	23776
61.00	18528	93.00	16424	137.00	952	178.00	198
62.00	19592	94.00	50440	141.00	4691	180.00	196
63.00	16117	95.00	410880	142.00	570	207.00	237
64.00	1810	96.00	28088	143.00	5304	220.00	177
65.00	2089	97.00	966	144.00	184		
66.00	309	102.00	182	145.00	534		
67.00	1297	103.00	237	146.00	312		
68.00	41976	104.00	2066	147.00	414		

Data File: \\Avogadro\Organics\organic\voa\V6.i\050602.B\V6D6390.D

Date : 02-JUN-2005 09:12

Client ID: BFB6T

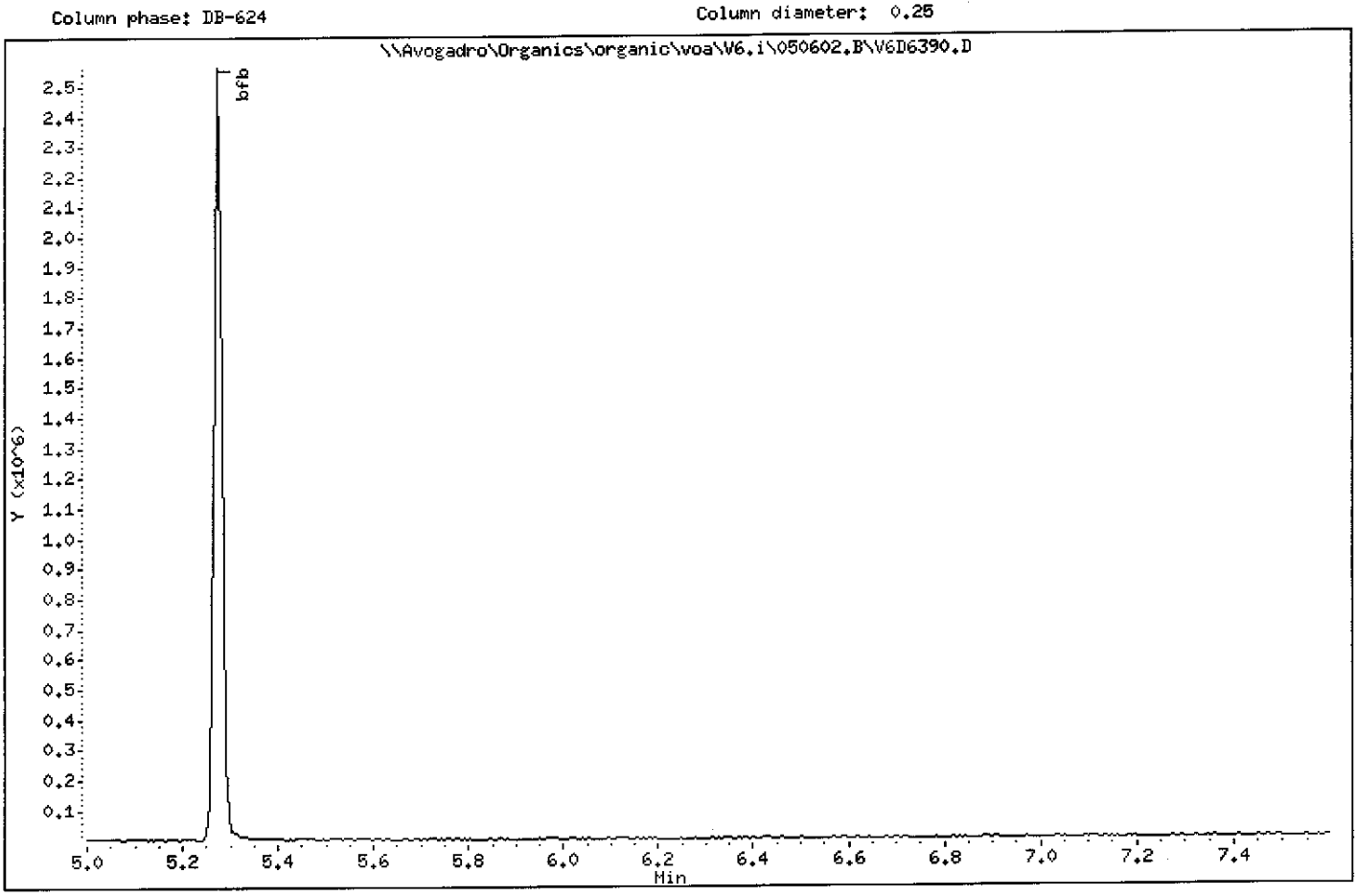
Instrument: v6.i

Sample Info: ,BFB6T,BFB6T

Operator: SB

Column phase: DB-624

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V6.i\050603.B\V6D6420.D

Date : 03-JUN-2005 09:25

Client ID: BFB6V

Instrument: v6.i

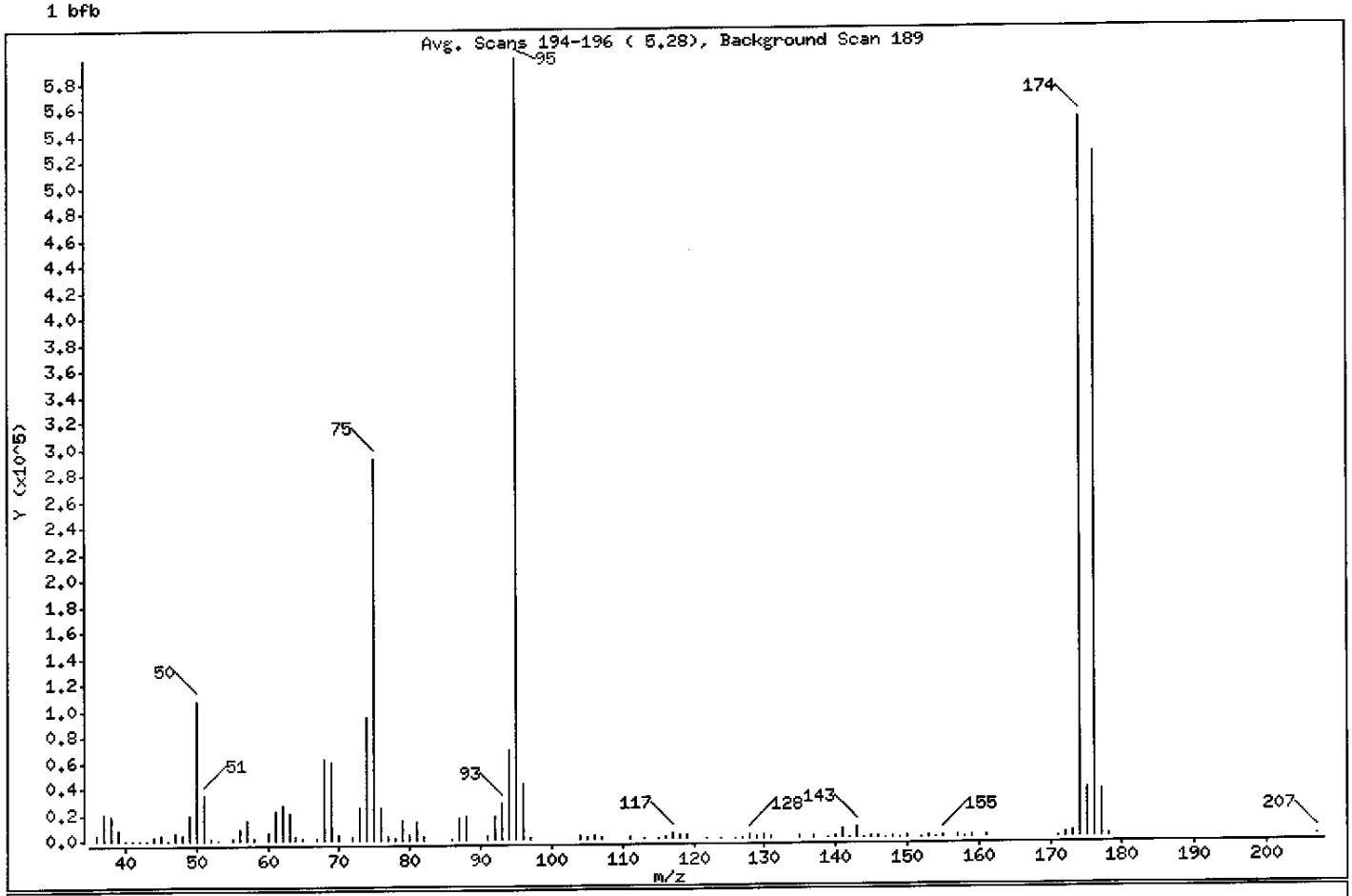
Sample Info: ,BFB6V,BFB6V

Operator: SB

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	17.95
75	30.00 - 66.00% of mass 95	48.88
96	5.00 - 9.00% of mass 95	7.18
173	Less than 2.00% of mass 174	0.69 (0.75)
174	50.00 - 120.00% of mass 95	91.84
175	4.00 - 9.00% of mass 174	6.34 (6.90)
176	93.00 - 101.00% of mass 174	87.65 (95.44)
177	5.00 - 9.00% of mass 176	5.89 (6.72)

Data File: \\Avogadro\Organics\organic\voa\V6.i\050603.B\V6D6420.D

Date : 03-JUN-2005 09:25

Client ID: BFB6V

Instrument: v6.i

Sample Info: ,BFB6V,BFB6V

Operator: SB

Column phase: DB-624

Column diameter: 0.25

Data File: V6D6420.D
Spectrum: Avg. Scans 194-196 (5.28), Background Scan 189
Location of Maximum: 95.00
Number of points: 103

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3640	64.00	2206	97.00	1381	143.00	8647
37.00	21312	65.00	1720	104.00	2887	144.00	167
38.00	19112	67.00	1390	105.00	853	145.00	779
39.00	8061	68.00	61768	106.00	2639	146.00	722
40.00	298	69.00	59152	107.00	743	147.00	445
41.00	448	70.00	4384	111.00	699	148.00	1853
42.00	222	72.00	2567	113.00	514	149.00	370
43.00	199	73.00	24328	115.00	539	150.00	1048
44.00	2495	74.00	95560	116.00	2038	152.00	265
45.00	4815	75.00	292928	117.00	4670	153.00	825
46.00	194	76.00	25296	118.00	2114	154.00	379
47.00	5806	77.00	3067	119.00	3279	155.00	1509
48.00	3634	78.00	1863	122.00	227	157.00	1357
49.00	19360	79.00	15194	124.00	194	158.00	167
50.00	107576	80.00	4406	126.00	496	159.00	865
51.00	34848	81.00	14151	127.00	203	161.00	698
52.00	1773	82.00	2555	128.00	2323	171.00	278
53.00	311	86.00	400	129.00	724	172.00	3124
55.00	1659	87.00	17104	130.00	2234	173.00	4122
56.00	8444	88.00	17952	131.00	1166	174.00	550336
57.00	15197	91.00	2455	135.00	1164	175.00	37968
58.00	825	92.00	17664	137.00	1100	176.00	525248
60.00	5805	93.00	27256	139.00	382	177.00	35296
61.00	22400	94.00	68936	140.00	1128	178.00	1168
62.00	26264	95.00	599232	141.00	7405	207.00	412
63.00	20312	96.00	43032	142.00	443		

Data File: \\Avogadro\Organics\organic\voa\V6.i\050603.B\V6D6420.D

Date : 03-JUN-2005 09:25

Client ID: BFB6V

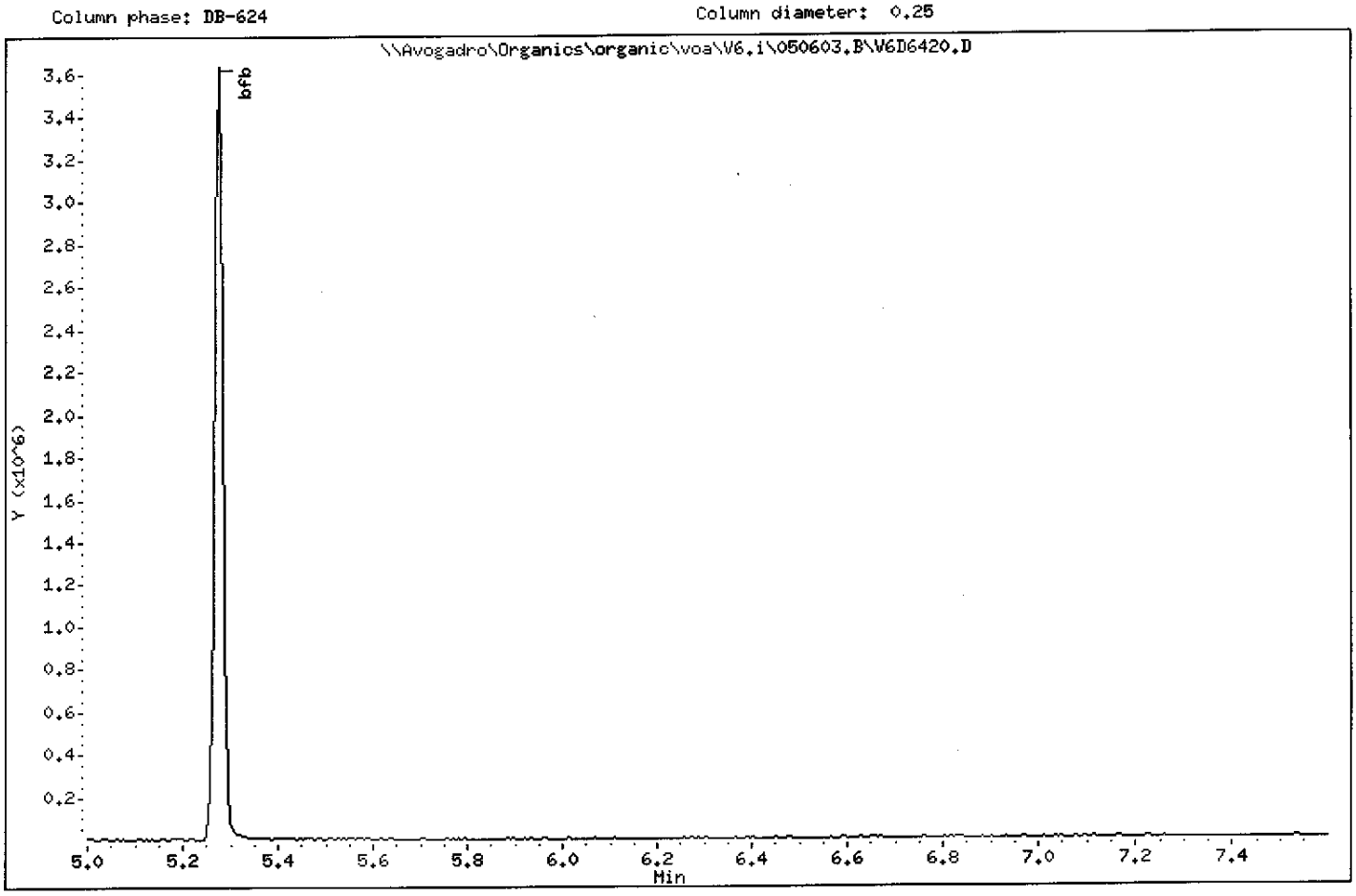
Instrument: v6.i

Sample Info: ,BFB6V,BFB6V

Operator: SB

Column phase: DB-624

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6450.D

Date : 06-JUN-2005 09:05

Client ID: BFB6X

Instrument: v6.i

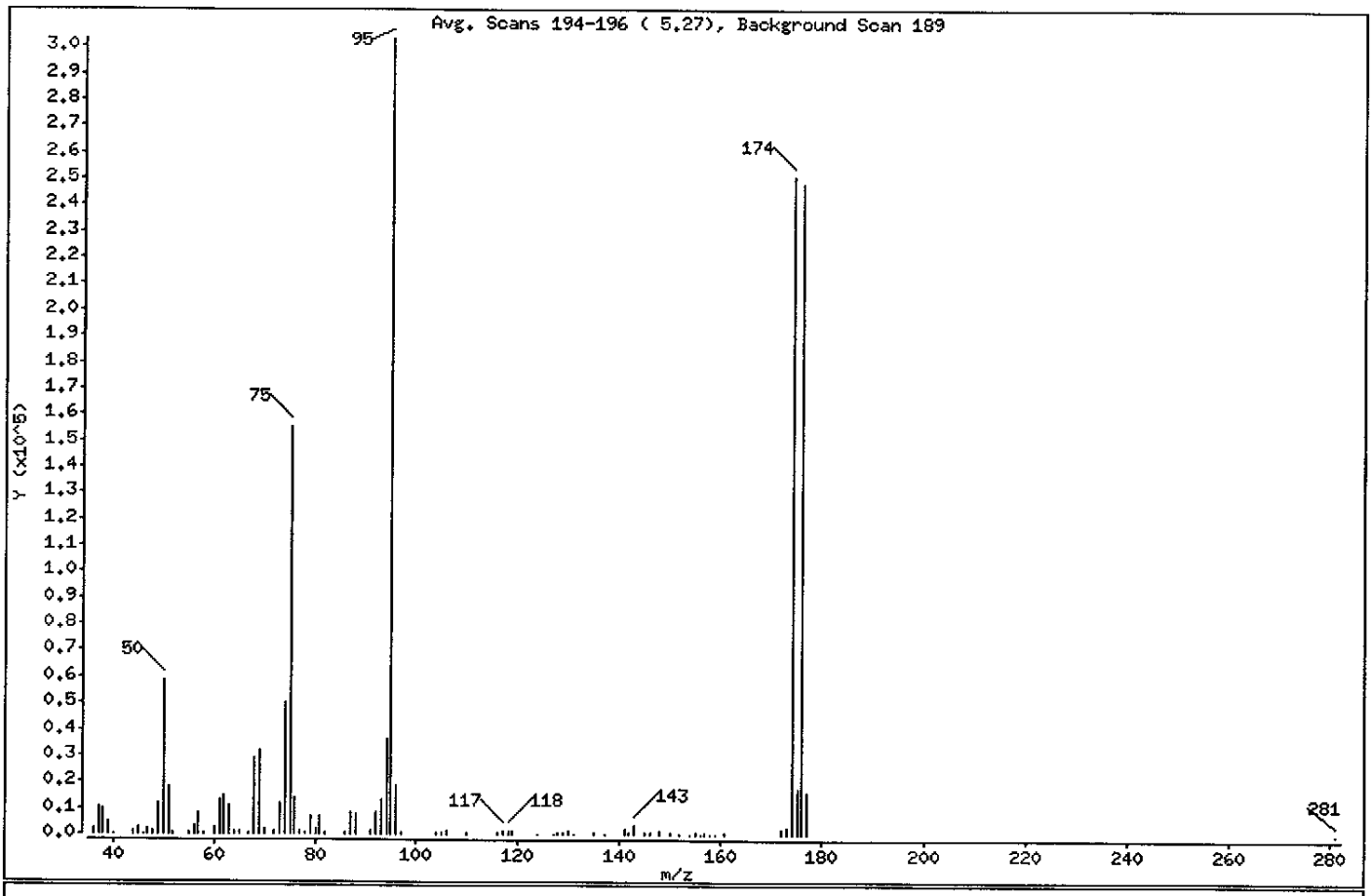
Sample Info: ,BFB6X,BFB6X

Operator: SB

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.28
75	30.00 - 66.00% of mass 95	51.16
96	5.00 - 9.00% of mass 95	6.28
173	Less than 2.00% of mass 174	0.83 (1.00)
174	50.00 - 120.00% of mass 95	82.81
175	4.00 - 9.00% of mass 174	5.65 (6.82)
176	93.00 - 101.00% of mass 174	81.88 (98.88)
177	5.00 - 9.00% of mass 176	5.27 (6.43)

COPY

Original Documents Are Included in CSF_____

Signed:_____ Date:_____

Date : 06-JUN-2005 09:05

Client ID: BFB6X Instrument: v6.i

Sample Info: ,BFB6X,BFB6X

Operator: SB

Column phase: DB-624 Column diameter: 0.25

Data File: V6D6450.D
Spectrum: Avg. Scans 194-196 (5.27), Background Scan 189
Location of Maximum: 95.00
Number of points: 87

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2071	64.00	1357	93.00	13369	142.00	637
37.00	10794	65.00	1295	94.00	36072	143.00	3722
38.00	9663	67.00	455	95.00	302976	145.00	493
39.00	4779	68.00	29024	96.00	19016	146.00	798
40.00	290	69.00	31920	97.00	859	148.00	1133
44.00	1688	70.00	1904	104.00	1028	150.00	454
45.00	2686	72.00	1399	105.00	404	152.00	193
46.00	245	73.00	12052	106.00	1336	154.00	286
47.00	2184	74.00	49984	110.00	365	155.00	598
48.00	1614	75.00	155008	116.00	848	156.00	195
49.00	11646	76.00	13862	117.00	1671	157.00	368
50.00	58408	77.00	1430	118.00	1280	158.00	172
51.00	18136	78.00	420	119.00	1114	159.00	193
52.00	980	79.00	7283	124.00	198	161.00	443
55.00	659	80.00	2400	127.00	340	172.00	2309
56.00	3545	81.00	7244	128.00	550	173.00	2508
57.00	8239	82.00	988	129.00	1002	174.00	250880
58.00	467	86.00	349	130.00	1127	175.00	17120
60.00	2861	87.00	8504	131.00	201	176.00	248064
61.00	13330	88.00	7857	135.00	438	177.00	15958
62.00	14303	91.00	1156	137.00	226	281.00	188
63.00	11180	92.00	8138	141.00	2407		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6450.D

Date : 06-JUN-2005 09:05

Client ID: BFB6X

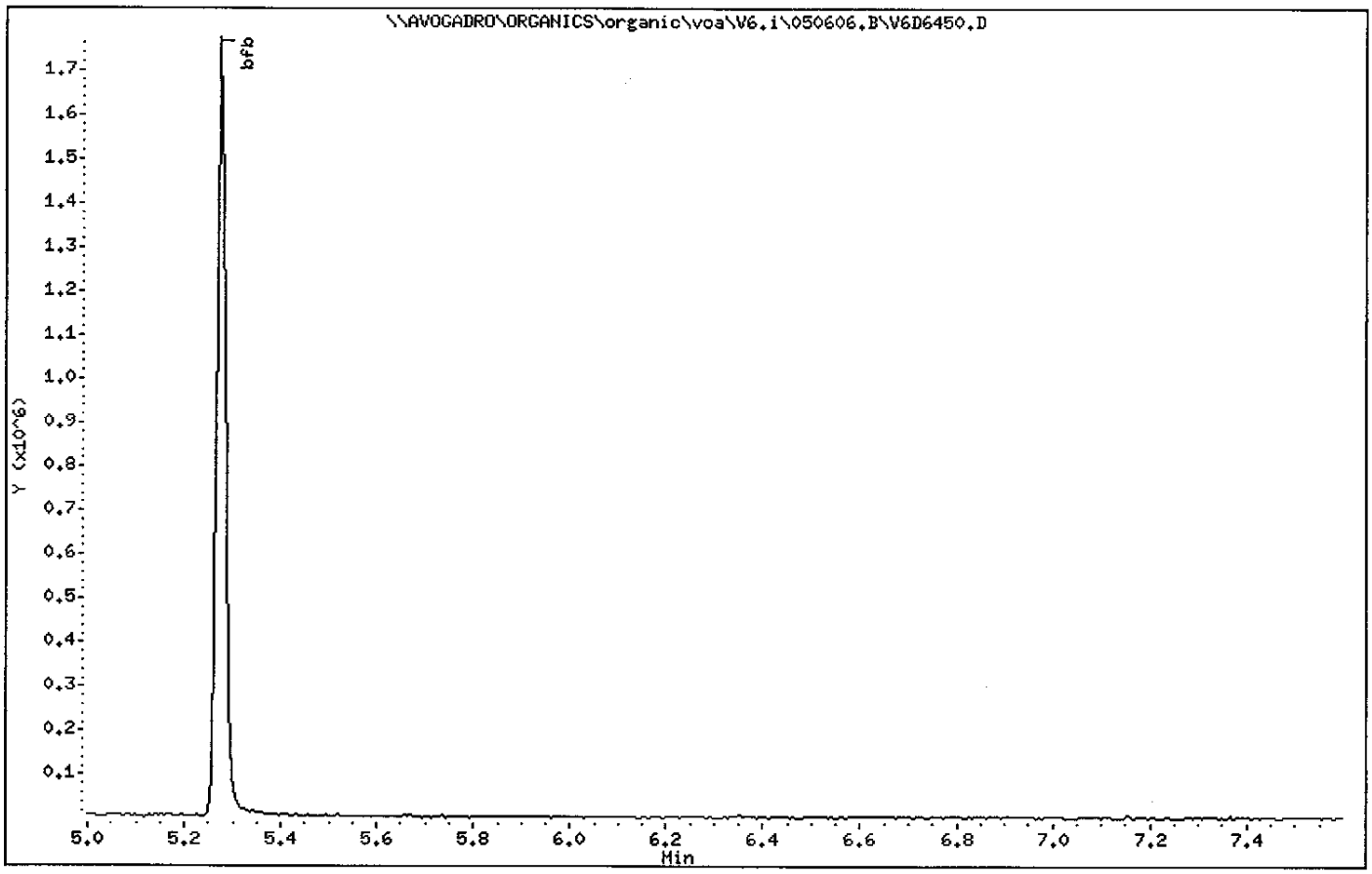
Instrument: v6.i

Sample Info: ,BFB6X,BFB6X

Operator: SB

Column phase: DB-624

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V6.i\050607.B\V6D6480.D

Date : 07-JUN-2005 09:34

Client ID: BFB6Y

Instrument: v6.i

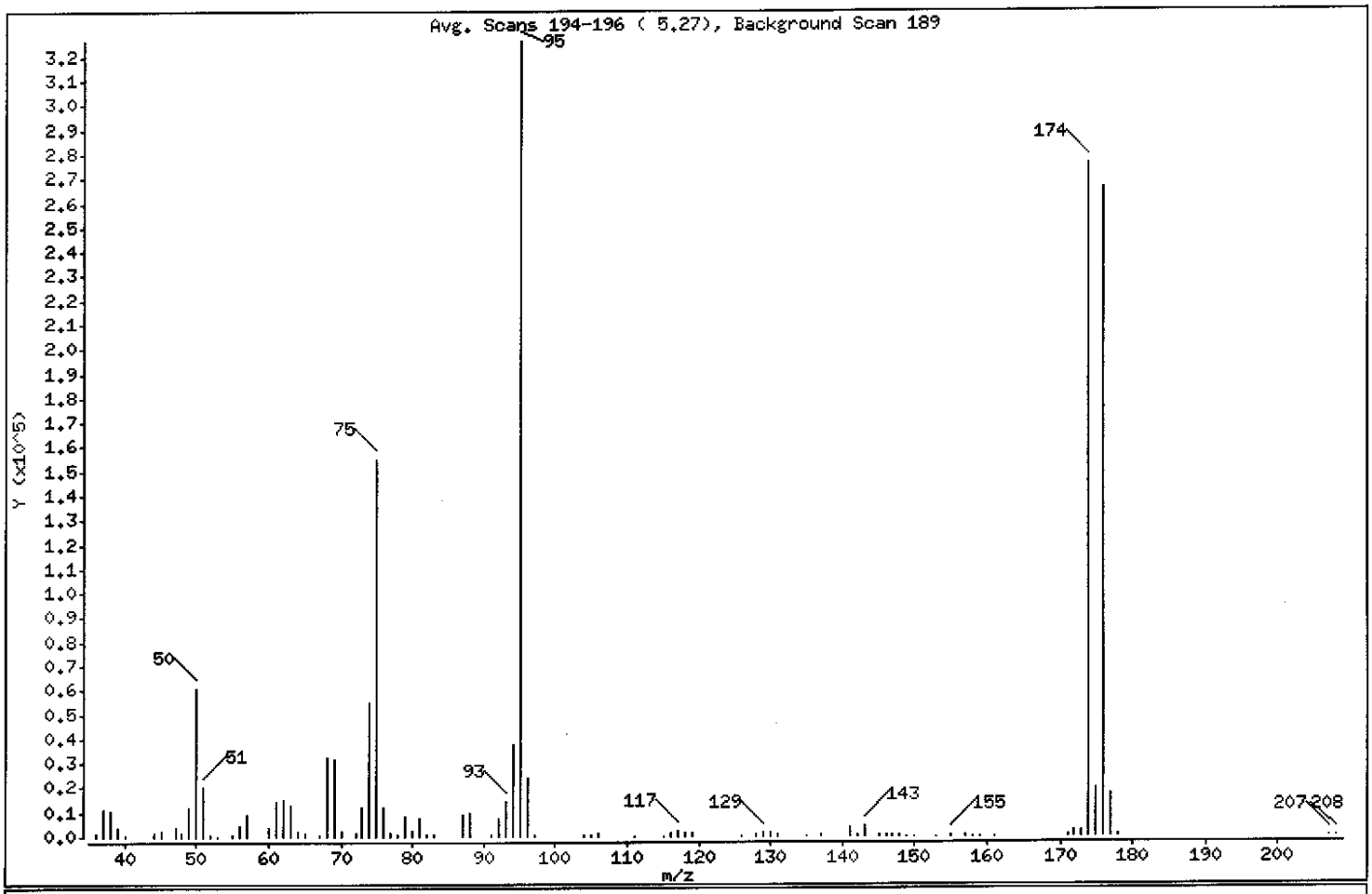
Sample Info: ,BFB6Y,BFB6Y

Operator: SB

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	18.75
75	30.00 - 66.00% of mass 95	47.51
96	5.00 - 9.00% of mass 95	7.38
173	Less than 2.00% of mass 174	0.79 (0.93)
174	50.00 - 120.00% of mass 95	84.47
175	4.00 - 9.00% of mass 174	6.02 (7.12)
176	93.00 - 101.00% of mass 174	81.51 (96.51)
177	5.00 - 9.00% of mass 176	5.39 (6.62)

Data File: \\Avogadro\Organics\organic\voa\V6.i\050607.B\V6D6480.D

Date : 07-JUN-2005 09:34

Client ID: BFB6Y

Instrument: v6.i

Sample Info: ,BFB6Y,BFB6Y

Operator: SB

Column phase: DB-624

Column diameter: 0.25

Data File: V6D6480.D
Spectrum: Avg. Scans 194-196 (5.27), Background Scan 189
Location of Maximum: 95.00
Number of points: 89

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1726	67.00	890	96.00	24120	147.00	621
37.00	11402	68.00	32656	97.00	448	148.00	921
38.00	10447	69.00	31856	104.00	1040	149.00	277
39.00	3853	70.00	2424	105.00	667	150.00	217
40.00	912	72.00	1480	106.00	1417	153.00	187
44.00	1508	73.00	12203	111.00	248	155.00	837
45.00	2397	74.00	55328	115.00	189	157.00	457
47.00	3432	75.00	155200	116.00	1210	158.00	201
48.00	1495	76.00	12387	117.00	2600	159.00	205
49.00	12110	77.00	1662	118.00	1388	161.00	234
50.00	61248	78.00	970	119.00	1773	171.00	463
51.00	20328	79.00	8050	126.00	168	172.00	2295
52.00	839	80.00	2311	128.00	868	173.00	2575
53.00	219	81.00	7803	129.00	1402	174.00	275968
55.00	828	82.00	1127	130.00	1256	175.00	19656
56.00	4339	83.00	493	131.00	546	176.00	266304
57.00	8815	87.00	8845	135.00	333	177.00	17616
60.00	3616	88.00	10025	137.00	557	178.00	920
61.00	14126	91.00	766	141.00	4066	207.00	218
62.00	15072	92.00	7794	142.00	465	208.00	178
63.00	12644	93.00	14463	143.00	4672		
64.00	1989	94.00	37960	145.00	1113		
65.00	1757	95.00	326720	146.00	444		

Data File: \\Avogadro\Organics\organic\voa\V6.i\050607.B\V6D6480.D

Date : 07-JUN-2005 09:34

Client ID: BFB6Y

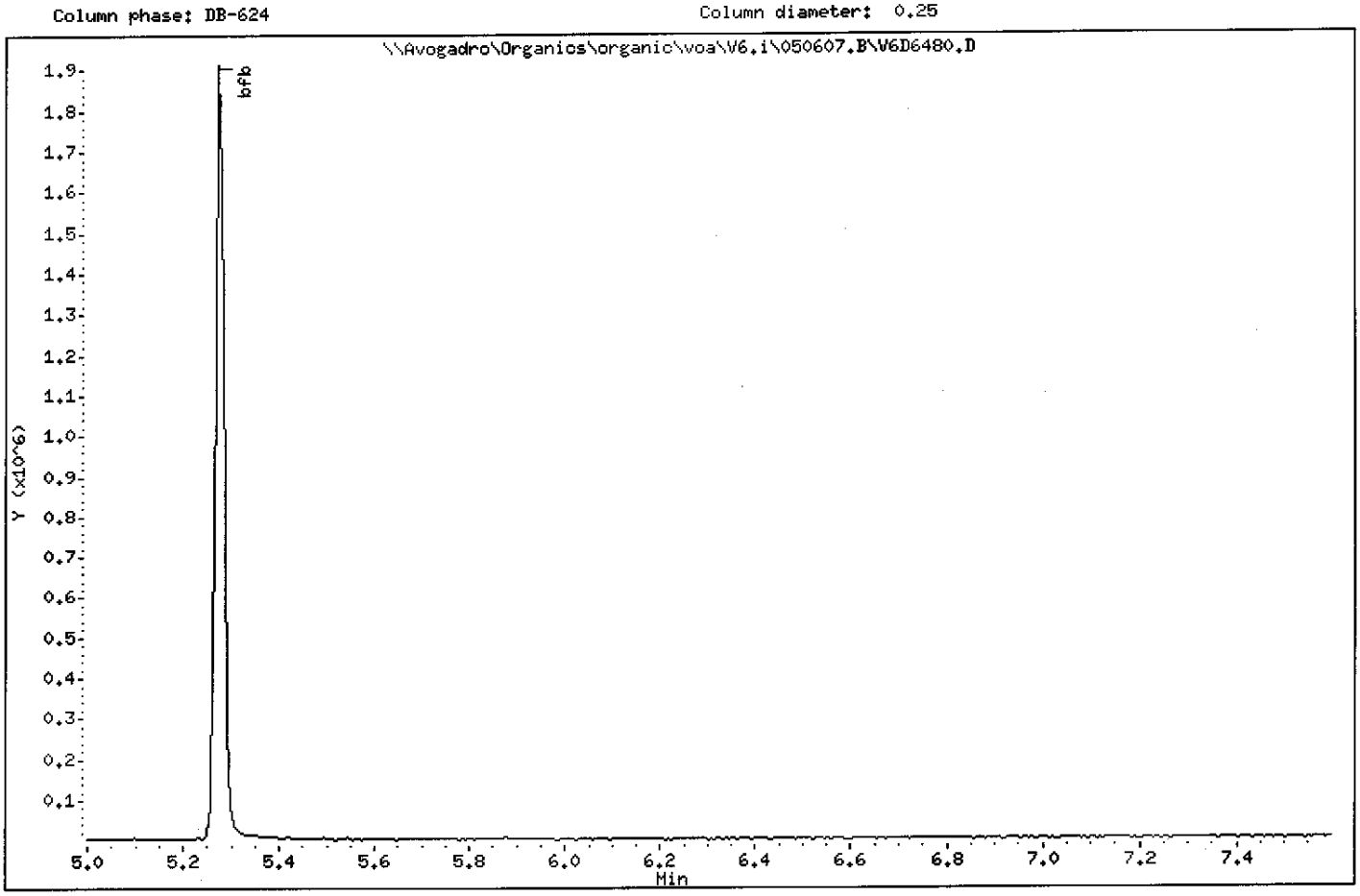
Instrument: v6.i

Sample Info: ,BFB6Y,BFB6Y

Operator: SB

Column phase: DB-624

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6820.D

Date : 23-JUN-2005 08:50

Client ID:

Instrument: v6.i

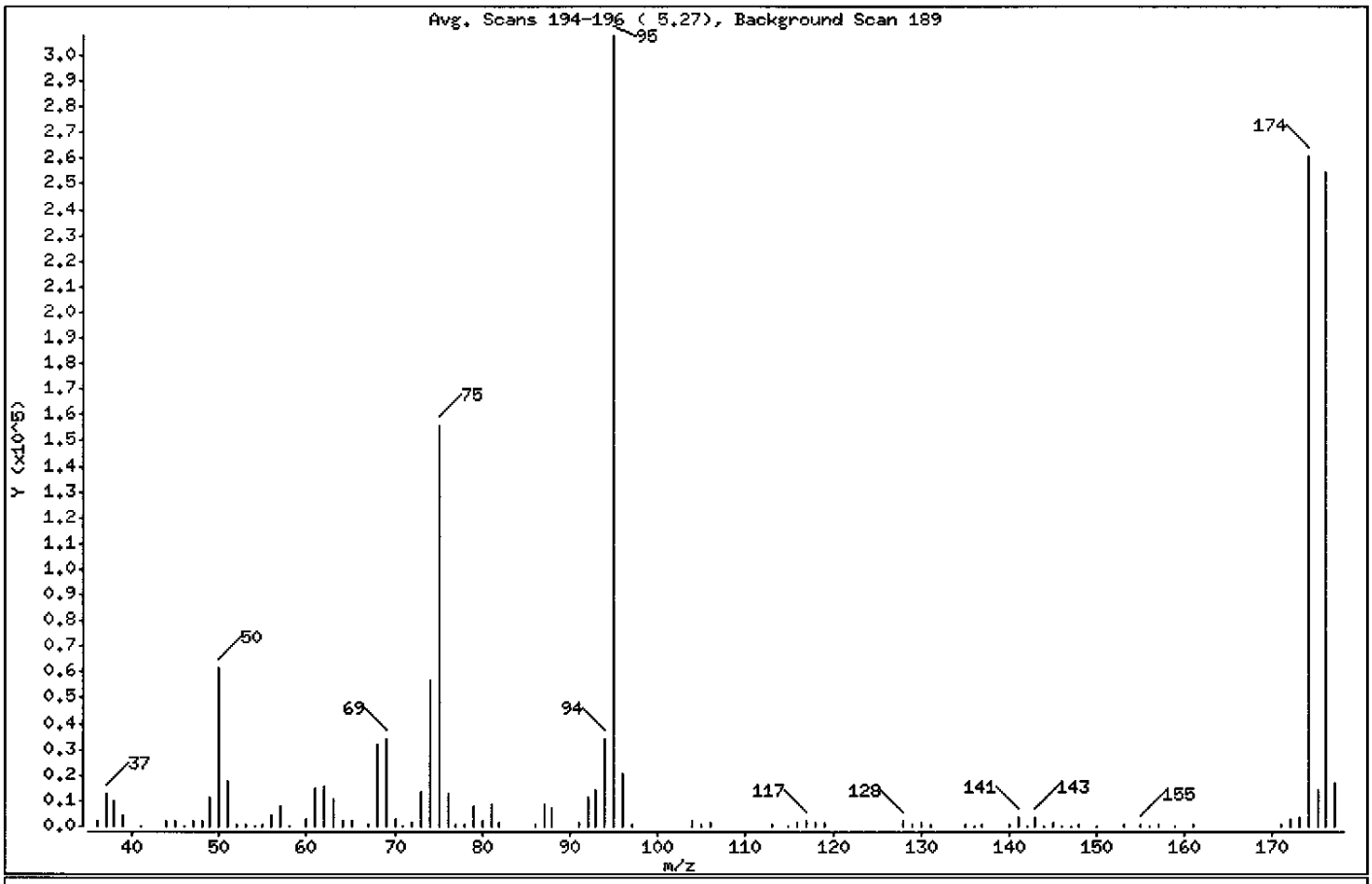
Sample Info: ,BFB6Q,BFB6Q

Operator: SB

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	20.16
75	30.00 - 66.00% of mass 95	50.76
96	5.00 - 9.00% of mass 95	6.64
173	Less than 2.00% of mass 174	1.13 (1.34)
174	50.00 - 120.00% of mass 95	84.84
175	4.00 - 9.00% of mass 174	4.56 (5.37)
176	93.00 - 101.00% of mass 174	82.72 (97.50)
177	5.00 - 9.00% of mass 176	5.42 (6.55)

Date : 23-JUN-2005 08:50

Client ID: Instrument: v6.i

Sample Info: ,BFB6Q,BFB6Q

Operator: SB

Column phase: DB-624 Column diameter: 0.25

Data File: V6D6820.D
Spectrum: Avg. Scans 194-196 (5.27), Background Scan 189
Location of Maximum: 95.00
Number of points: 91

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1877	63.00	10825	92.00	11564	141.00	3852
37.00	12669	64.00	2019	93.00	14227	142.00	249
38.00	9746	65.00	1865	94.00	34152	143.00	3545
39.00	4093	67.00	540	95.00	307776	144.00	192
41.00	209	68.00	31768	96.00	20448	145.00	1226
44.00	2044	69.00	33896	97.00	389	146.00	176
45.00	2411	70.00	3171	104.00	2322	147.00	222
46.00	264	71.00	223	105.00	654	148.00	825
47.00	2179	72.00	1486	106.00	1630	150.00	342
48.00	2140	73.00	13214	113.00	580	153.00	475
49.00	11328	74.00	56440	115.00	271	155.00	960
50.00	62040	75.00	156224	116.00	1209	156.00	244
51.00	17632	76.00	12909	117.00	1977	157.00	515
52.00	1059	77.00	699	118.00	1604	159.00	298
53.00	389	78.00	536	119.00	1763	161.00	555
54.00	207	79.00	7744	128.00	1993	171.00	508
55.00	810	80.00	1907	129.00	1009	172.00	2675
56.00	4272	81.00	8735	130.00	1338	173.00	3488
57.00	7762	82.00	1620	131.00	639	174.00	261120
58.00	283	86.00	465	135.00	725	175.00	14023
60.00	2890	87.00	8522	136.00	232	176.00	254592
61.00	14722	88.00	6968	137.00	593	177.00	16672
62.00	15382	91.00	1302	140.00	436		

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6820.D Page 1

Date : 23-JUN-2005 08:50

Client ID:

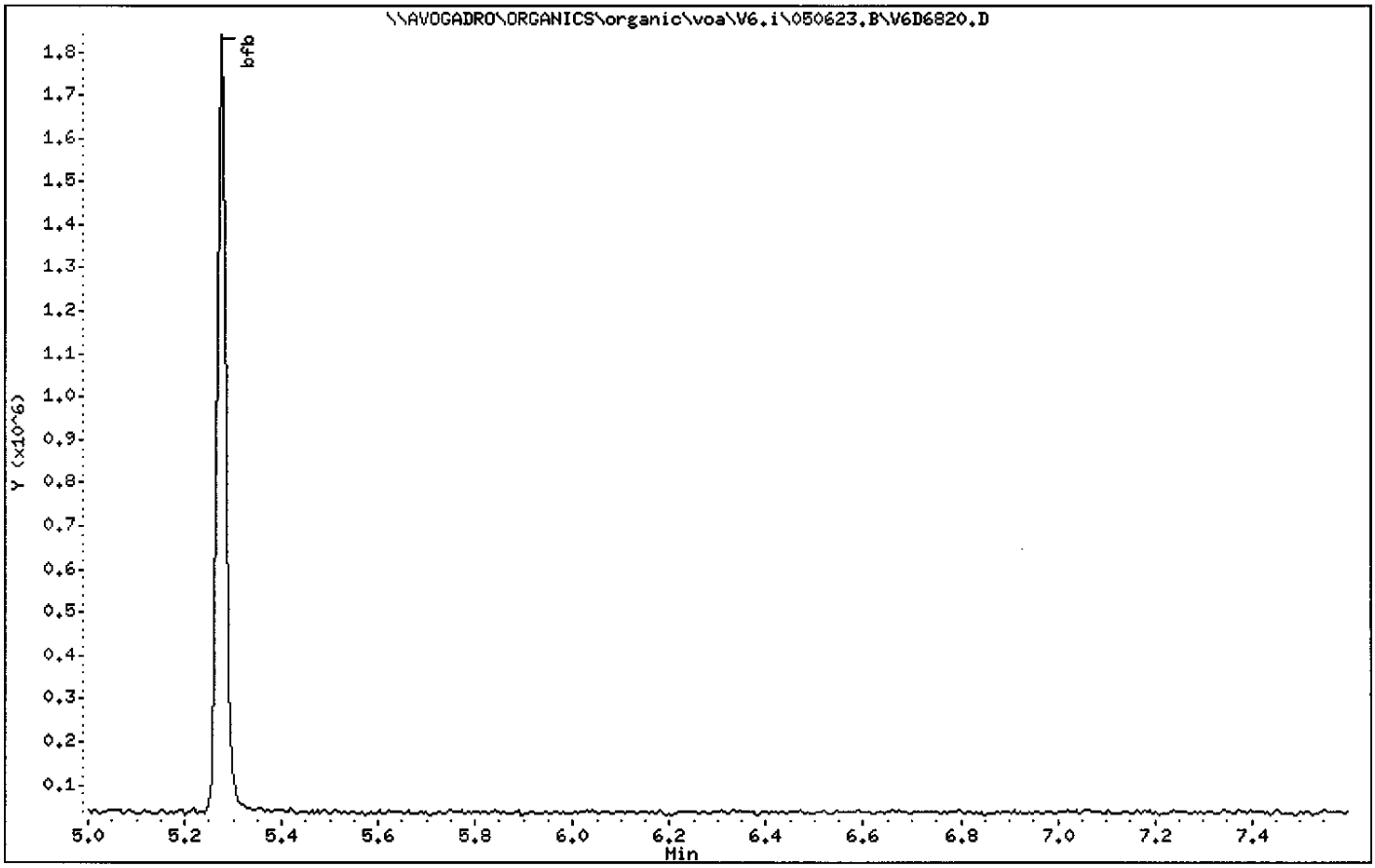
Instrument: v6.i

Sample Info: ,BFB6Q,BFB6Q

Operator: SB

Column phase: DB-624

Column diameter: 0.25



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18341

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6373

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18341

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6373

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK6R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18341

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6373

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/01/05

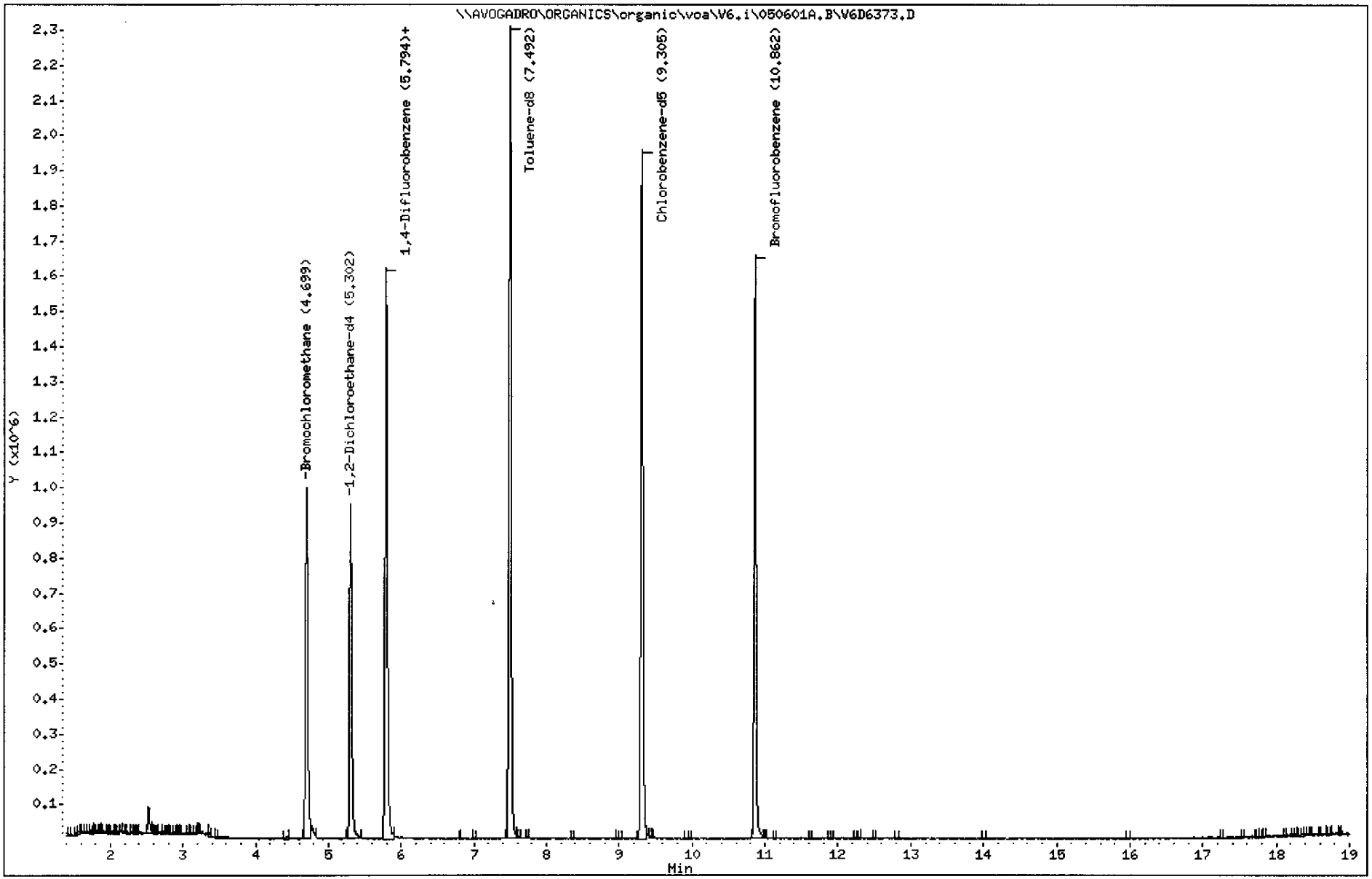
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601A.B\V6D6373.D
Date : 01-JUN-2005 14:18
Client ID: VBLK6R
Instrument: V6.i
Sample Info: ,MB-18341,VBLK6R
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0163

Data File: V6D6373.D
Report Date: 22-Jun-2005 16:38

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601A.B\V6D6373.D
Lab Smp Id: MB-18341 Client Smp ID: VBLK6R
Inj Date : 01-JUN-2005 14:18
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18341,VBLK6R
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601A.B\v6clp4s.m
Meth Date : 01-Jun-2005 13:32 mtl Quant Type: ISTD
Cal Date : 01-JUN-2005 13:05 Cal File: V6D6371.D ✓
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 18 Bromochloromethane	128	4.699	4.700	(1.000)	315175	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.302	5.302	(1.128)	875009	49.7131	50
* 26 1,4-Difluorobenzene	114	5.794	5.795	(1.000)	1394463	50.0000	
$ 33 Toluene-d8	98	7.492	7.492	(0.805)	1774891	51.3466	51
* 42 Chlorobenzene-d5	117	9.305	9.305	(1.000)	1340733	50.0000	
$ 50 Bromofluorobenzene	95	10.862	10.862	(1.167)	629159	43.6090	44

KC
6/22/05

Data File: V6D6373.D
Report Date: 22-Jun-2005 16:38

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601A.B\V6D6373.D
Lab Smp Id: MB-18341 Client Smp ID: VBLK6R
Inj Date : 01-JUN-2005 14:18
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18341,VBLK6R
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050601A.B\v6clp4s.m
Meth Date : 01-Jun-2005 13:32 mtl Quant Type: ISTD
Cal Date : 01-JUN-2005 13:05 Cal File: V6D6371.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18358

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6392

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18358

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6392

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK6T

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18358

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6392

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

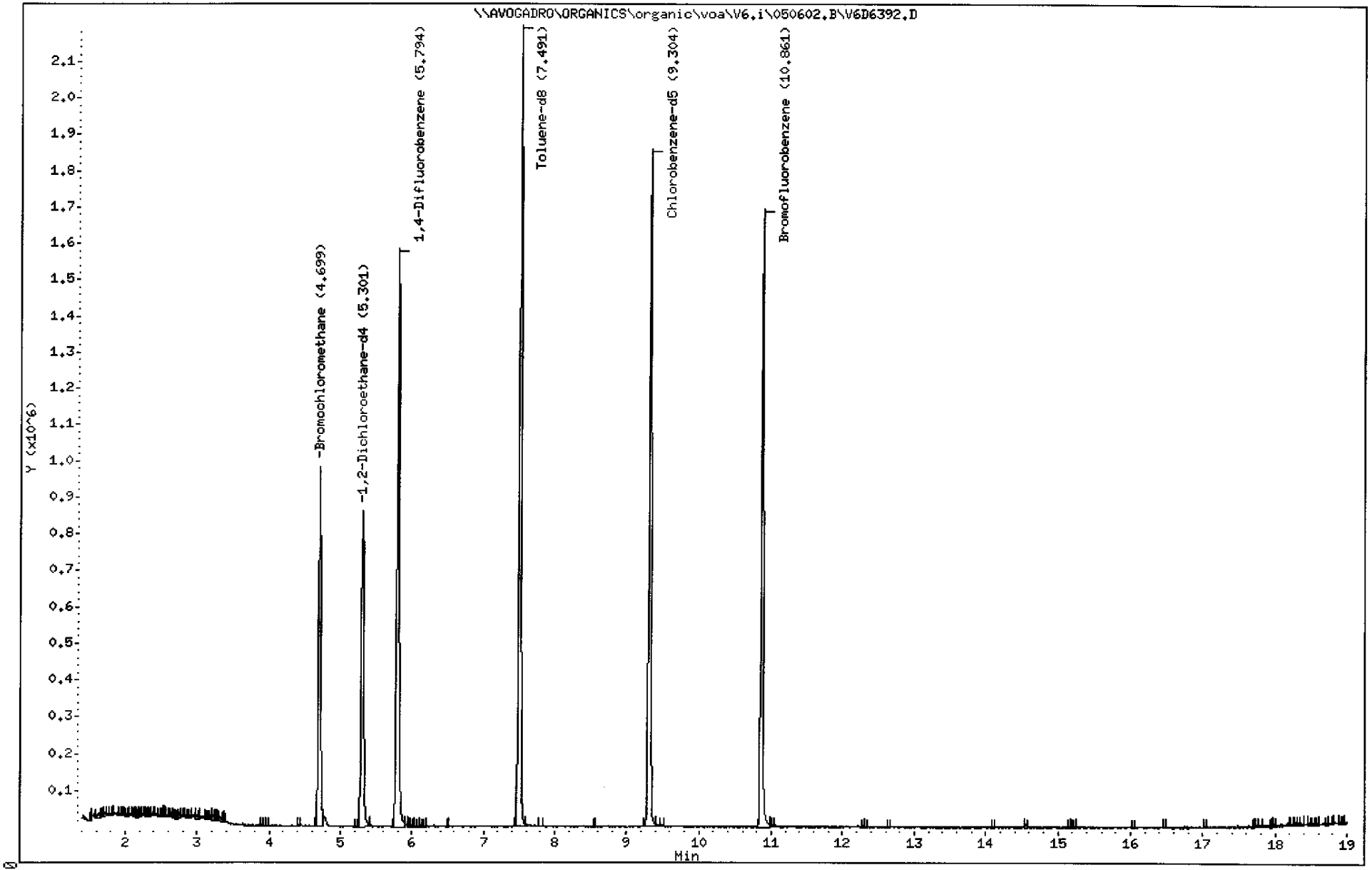
Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6392.D
Date : 02-JUN-2005 10:35
Client ID: VBLK6T
Sample Info: ,MB-18358,VBLK6T
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25



6910

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6392.D
Report Date: 21-Jun-2005 07:33

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6392.D
Lab Smp Id: MB-18358 Client Smp ID: VBLK6T
Inj Date : 02-JUN-2005 10:35
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18358,VBLK6T
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET7

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 18 Bromochloromethane	128	4.699	4.695	(1.000)	299792	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.301	5.303	(1.128)	818573	49.2341	49
* 26 1,4-Difluorobenzene	114	5.794	5.796	(1.000)	1323413	50.0000	
$ 33 Toluene-d8	98	7.491	7.493	(0.805)	1674338	50.8863	51
* 42 Chlorobenzene-d5	117	9.304	9.306	(1.000)	1270109	50.0000	
$ 50 Bromofluorobenzene	95	10.861	10.857	(1.167)	645738	47.8358	48

KC
6/22/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6392.D
Report Date: 21-Jun-2005 07:33

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6392.D
Lab Smp Id: MB-18358 Client Smp ID: VBLK6T
Inj Date : 02-JUN-2005 10:35
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18358,VBLK6T
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 21-Jun-2005 07:32 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET7

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6V

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18379

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6422

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6V

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18379

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6422

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK6V

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18379

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6422

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
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27.					
28.					
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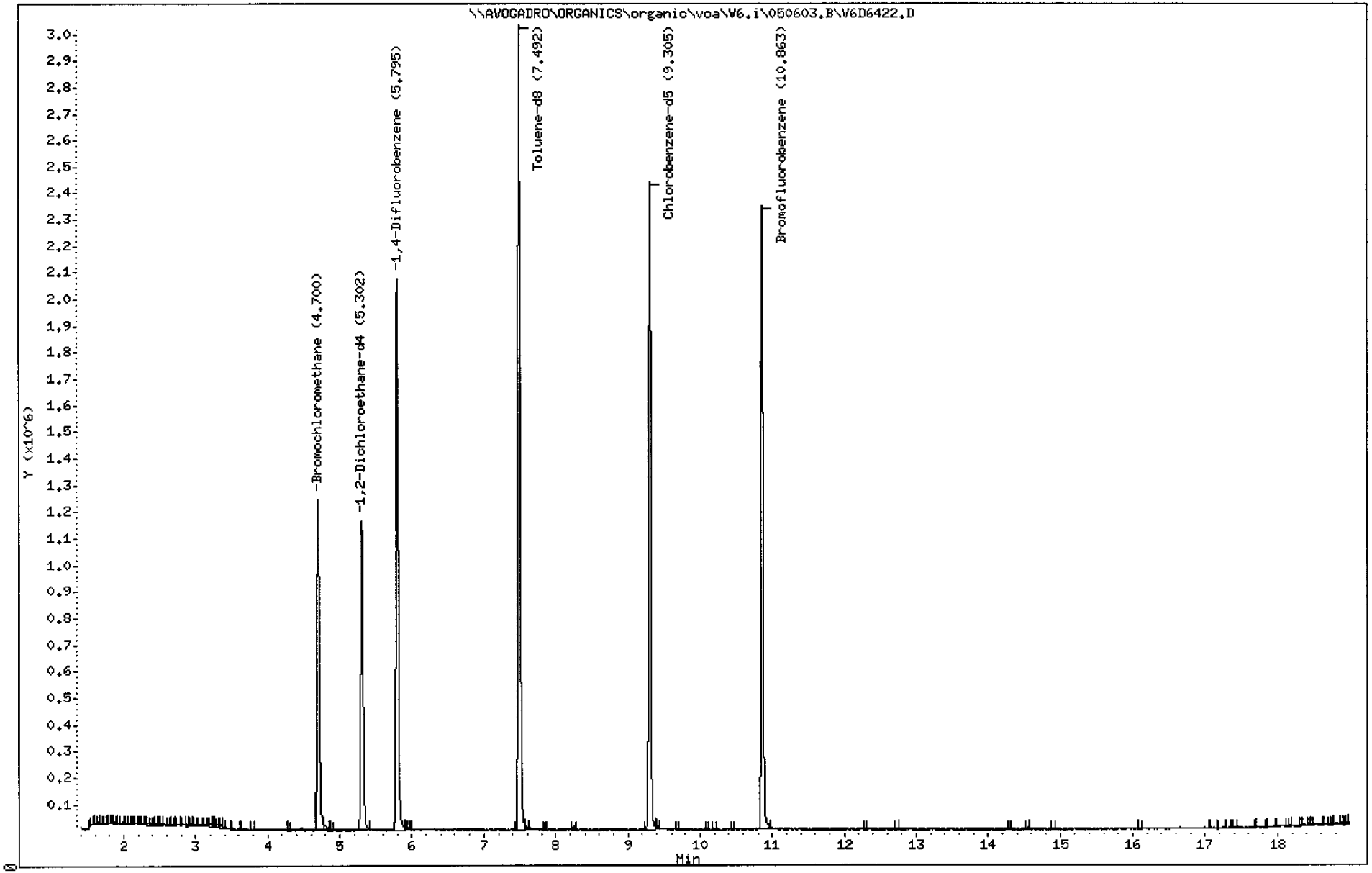
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6422.D
Date : 03-JUN-2005 12:28
Client ID: VBLK6V
Instrument: V6.i
Sample Info: ,MB-18379,VBLK6V
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0175

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6422.D
Report Date: 22-Jun-2005 17:02

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6422.D
Lab Smp Id: MB-18379 Client Smp ID: VBLK6V
Inj Date : 03-JUN-2005 12:28
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18379,VBLK6V
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\v6clp4s.m
Meth Date : 06-Jun-2005 09:32 mtl Quant Type: ISTD
Cal Date : 03-JUN-2005 11:51 Cal File: V6D6421.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	4.700	4.699	(1.000)	395153	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.302	5.301	(1.128)	1061840	47.1440	47
* 26 1,4-Difluorobenzene	114	5.795	5.794	(1.000)	1855428	50.0000	
$ 33 Toluene-d8	98	7.492	7.492	(0.805)	2297503	49.9835	50
* 42 Chlorobenzene-d5	117	9.305	9.304	(1.000)	1692318	50.0000	
$ 50 Bromofluorobenzene	95	10.863	10.862	(1.167)	885232	46.2679	46

KC
6/22/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6422.D
Report Date: 22-Jun-2005 17:02

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6422.D
Lab Smp Id: MB-18379 Client Smp ID: VBLK6V
Inj Date : 03-JUN-2005 12:28
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18379,VBLK6V
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\v6clp4s.m
Meth Date : 06-Jun-2005 09:32 mtl Quant Type: ISTD
Cal Date : 03-JUN-2005 11:51 Cal File: V6D6421.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18399

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6456

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/06/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18399

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6456

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/06/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK6X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18399

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6456

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/06/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
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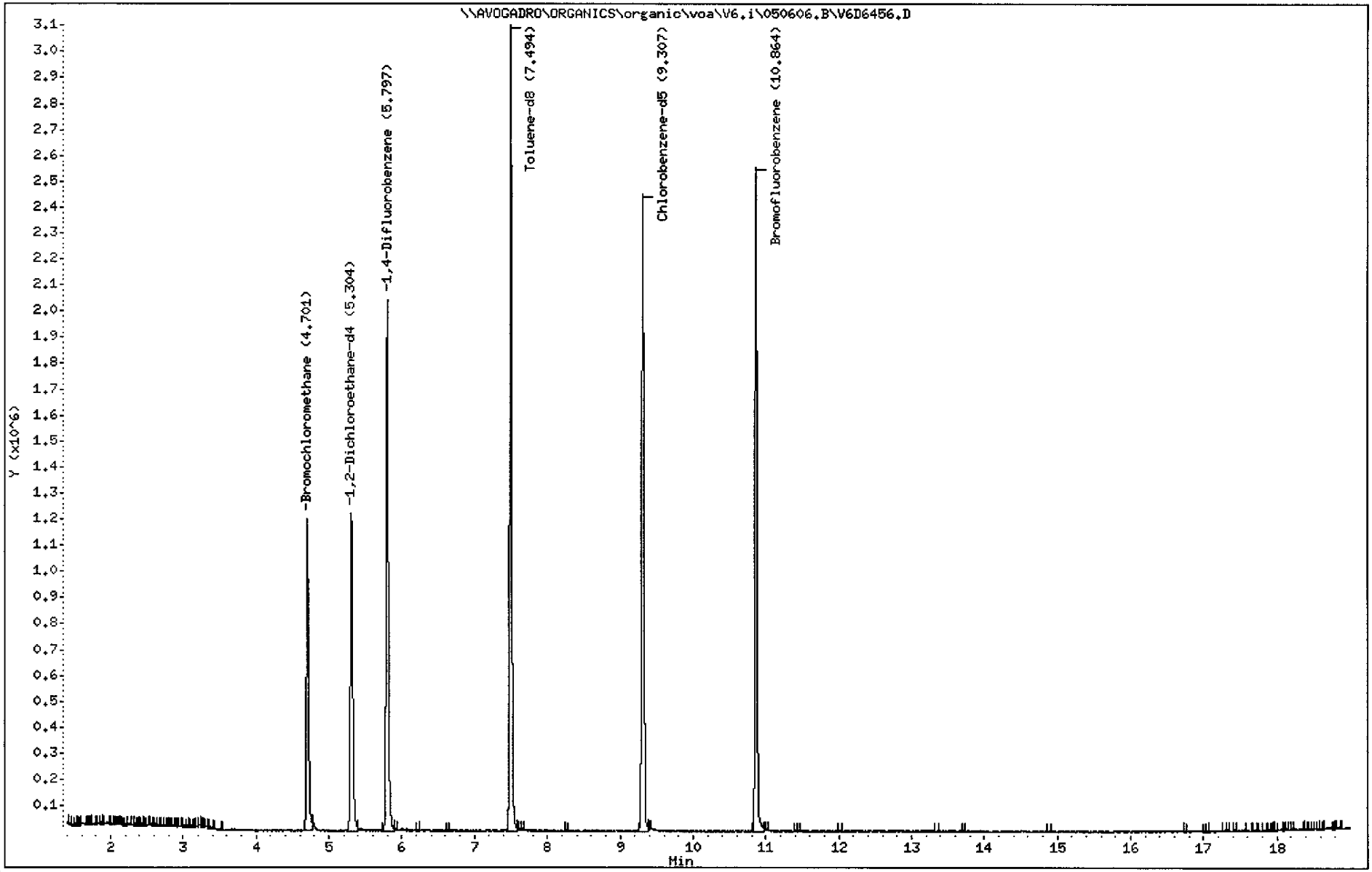
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6456.D
Date : 06-JUN-2005 14:18
Client ID: VBLK6X
Instrument: V6.i
Sample Info: ,MB-18399,VBLK6X
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0181

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6456.D
Report Date: 21-Jun-2005 12:12

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6456.D
Lab Smp Id: MB-18399 Client Smp ID: VBLK6X
Inj Date : 06-JUN-2005 14:18
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18399,VBLK6X
Misc Info : ,1,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\v6clp4s.m
Meth Date : 18-Jun-2005 13:57 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 09:40 Cal File: V6D6451.D
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4_THF.sub
Target Version: 4.03
Processing Host: TARGET5

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	4.702	4.700	(1.000)	385079	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.304	5.302	(1.128)	1126147	50.3594	50
* 26 1,4-Difluorobenzene	114	5.797	5.795	(1.000)	1708512	50.0000	
$ 33 Toluene-d8	98	7.494	7.492	(0.805)	2321998	51.2465	51
* 42 Chlorobenzene-d5	117	9.307	9.305	(1.000)	1636551	50.0000	
$ 50 Bromofluorobenzene	95	10.864	10.862	(1.167)	930892	49.8999	50

KL
6/27/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6456.D
Report Date: 21-Jun-2005 12:12

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\V6D6456.D
Lab Smp Id: MB-18399 Client Smp ID: VBLK6X
Inj Date : 06-JUN-2005 14:18
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18399,VBLK6X
Misc Info : ,1,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050606.B\v6clp4s.m
Meth Date : 18-Jun-2005 13:57 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 09:40 Cal File: V6D6451.D
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4_THF.sub
Target Version: 4.03
Processing Host: TARGET5

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK6Y

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18423

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6482

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/07/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6Y

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18423

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6482

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/07/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK6Y

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18423

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6482

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/07/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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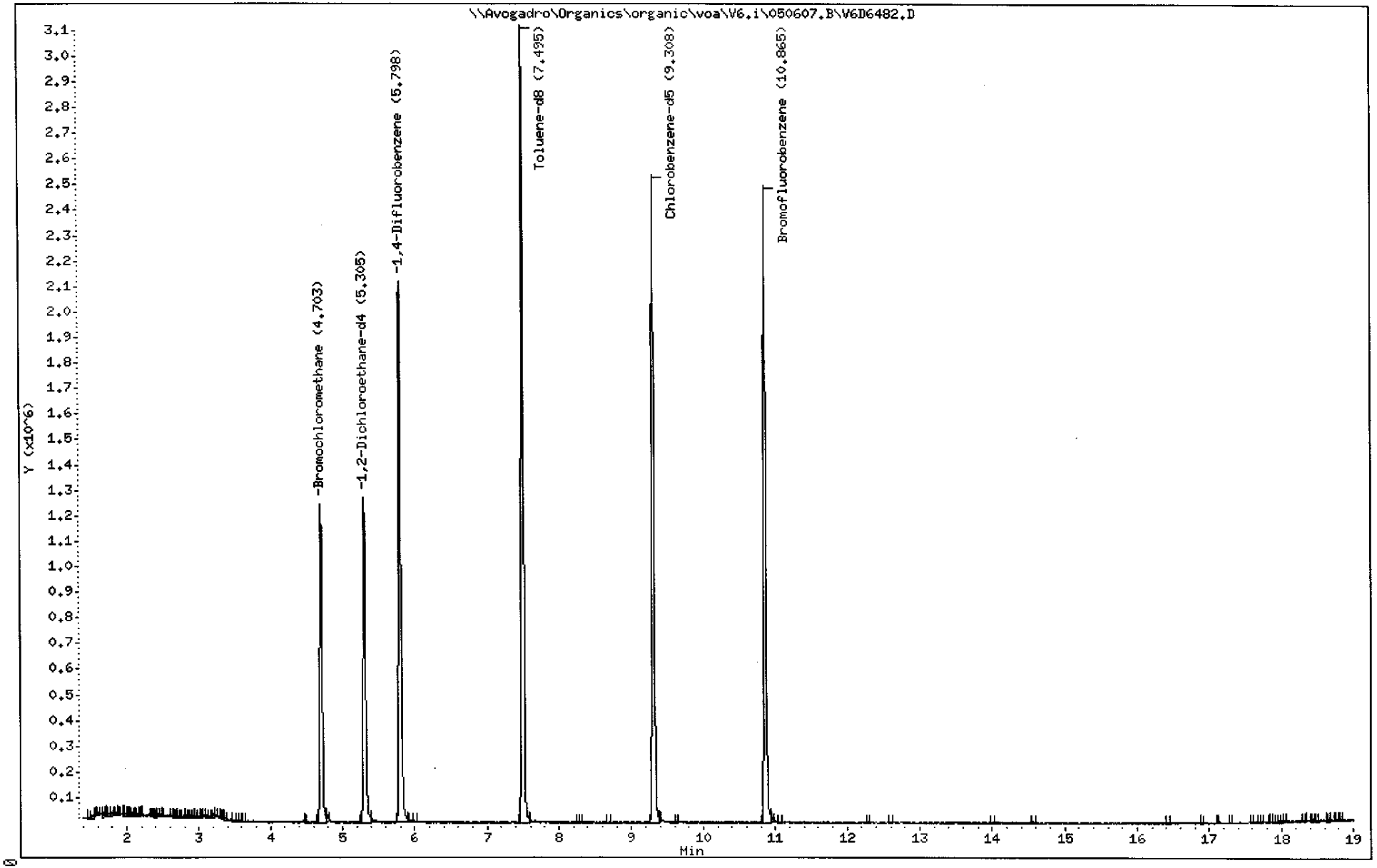
27.					
28.					
29.					
30.					

Data File: \\Avogadro\Organics\organic\voa\V6.i\050607.B\V6D6482.D
Date : 07-JUN-2005 10:49
Client ID: VBLK6Y
Instrument: V6.i
Sample Info: ,MB-18423,VBLK6Y
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0187

Data File: \\Avogadro\Organics\organic\voa\V6.i\050607.B\V6D6482.D
Report Date: 24-Jun-2005 17:57

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V6.i\050607.B\V6D6482.D
Lab Smp Id: MB-18423 Client Smp ID: VBLK6Y
Inj Date : 07-JUN-2005 10:49
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18423,VBLK6Y
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050607.B\v6clp4s.m
Meth Date : 24-Jun-2005 17:55 mtl Quant Type: ISTD
Cal Date : 07-JUN-2005 09:57 Cal File: V6D6481.D ✓
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.12
Processing Host: TARGET10

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Va	10.000	LCS Aliquot Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	4.702	4.699	(1.000)	407293	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.305	5.302	(1.128)	1168774	46.3641	46
* 26 1,4-Difluorobenzene	114	5.797	5.794	(1.000)	1825414	50.0000	
$ 33 Toluene-d8	98	7.495	7.492	(0.805)	2330988	44.9943	45
* 42 Chlorobenzene-d5	117	9.308	9.304	(1.000)	1727582	50.0000	
$ 50 Bromofluorobenzene	95	10.865	10.862	(1.167)	941552	44.8915	45

KL
6/27/05 ✓

Data File: \\Avogadro\Organics\organic\voa\V6.i\050607.B\V6D6482.D
Report Date: 24-Jun-2005 17:57

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V6.i\050607.B\V6D6482.D
Lab Smp Id: MB-18423 Client Smp ID: VBLK6Y
Inj Date : 07-JUN-2005 10:49
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18423,VBLK6Y
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050607.B\v6clp4s.m
Meth Date : 24-Jun-2005 17:55 mtl Quant Type: ISTD
Cal Date : 07-JUN-2005 09:57 Cal File: V6D6481.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.12
Processing Host: TARGET10

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18686

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6822

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18686

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6822

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK6Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18686

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6822

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
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27.					
28.					
29.					
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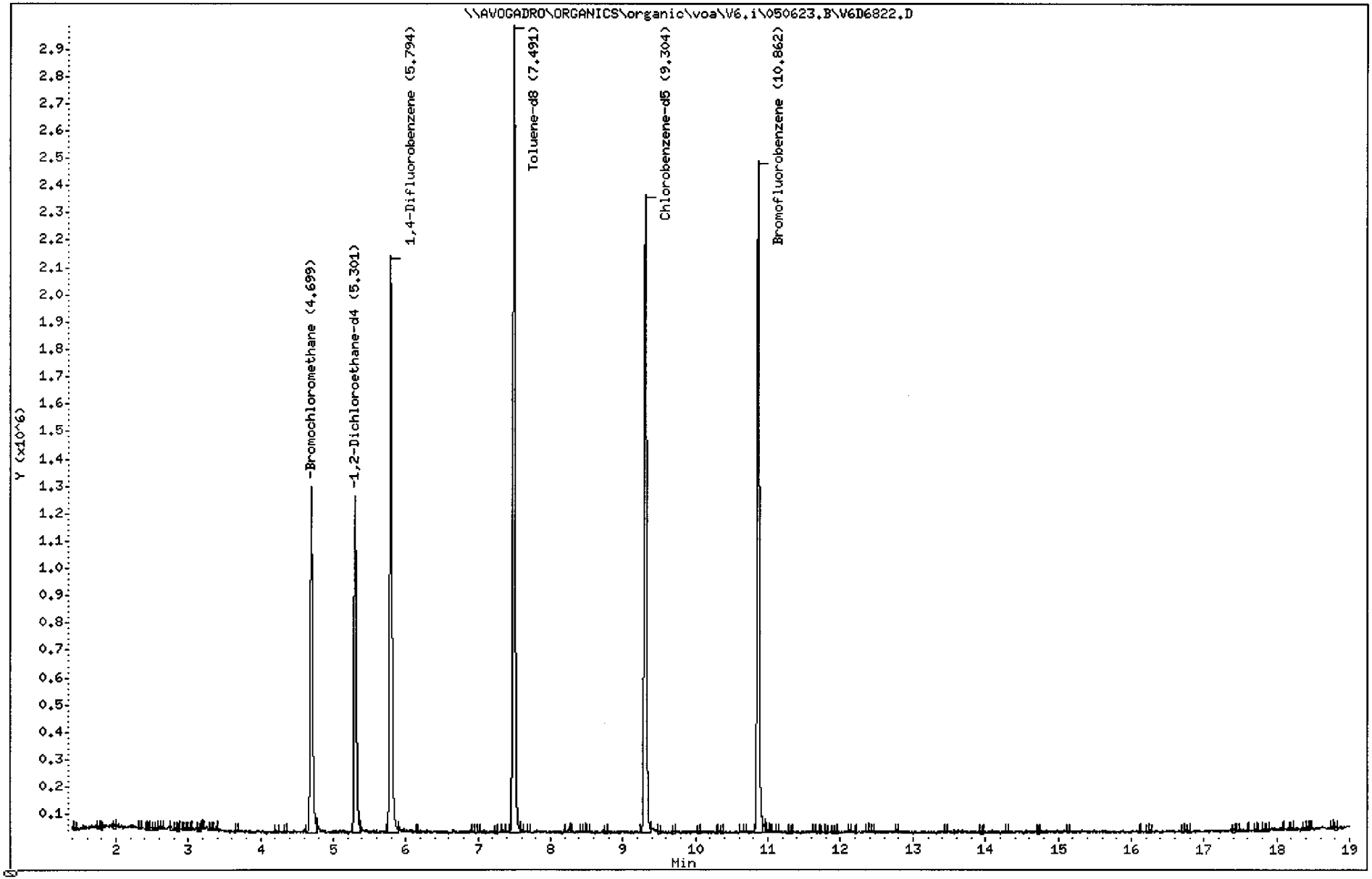
Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6822.D
Date : 23-JUN-2005 10:04
Client ID: VBLK6Q
Instrument: V6.i
Sample Info: ,MB-18686,VBLK6Q
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6822.D
Report Date: 24-Jun-2005 13:29

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6822.D
Lab Smp Id: MB-18686 Client Smp ID: VBLK6Q
Inj Date : 23-JUN-2005 10:04
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18686,VBLK6Q
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\v6clp4s.m
Meth Date : 24-Jun-2005 13:28 mtl Quant Type: ISTD
Cal Date : 23-JUN-2005 09:25 Cal File: V6D6821.D ✓
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	4.699	4.702	(1.000)	388547	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.301	5.304	(1.128)	1149924	46.8136	47
* 26 1,4-Difluorobenzene	114	5.794	5.797	(1.000)	1755232	50.0000	
$ 33 Toluene-d8	98	7.491	7.494	(0.805)	2216790	48.7157	49
* 42 Chlorobenzene-d5	117	9.304	9.307	(1.000)	1607853	50.0000	
$ 50 Bromofluorobenzene	95	10.862	10.858	(1.167)	875237	46.0368	46

SB 6/24/05

KC

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6822.D
Report Date: 24-Jun-2005 13:29

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6822.D
Lab Smp Id: MB-18686 Client Smp ID: VBLK6Q
Inj Date : 23-JUN-2005 10:04
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,MB-18686,VBLK6Q
Misc Info : ,1,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\v6clp4s.m
Meth Date : 24-Jun-2005 13:28 mtl Quant Type: ISTD
Cal Date : 23-JUN-2005 09:25 Cal File: V6D6821.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK6Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6Q

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6834

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK6Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6Q

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6834

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VHBLK6Q

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: VHBLK6Q

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6834

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
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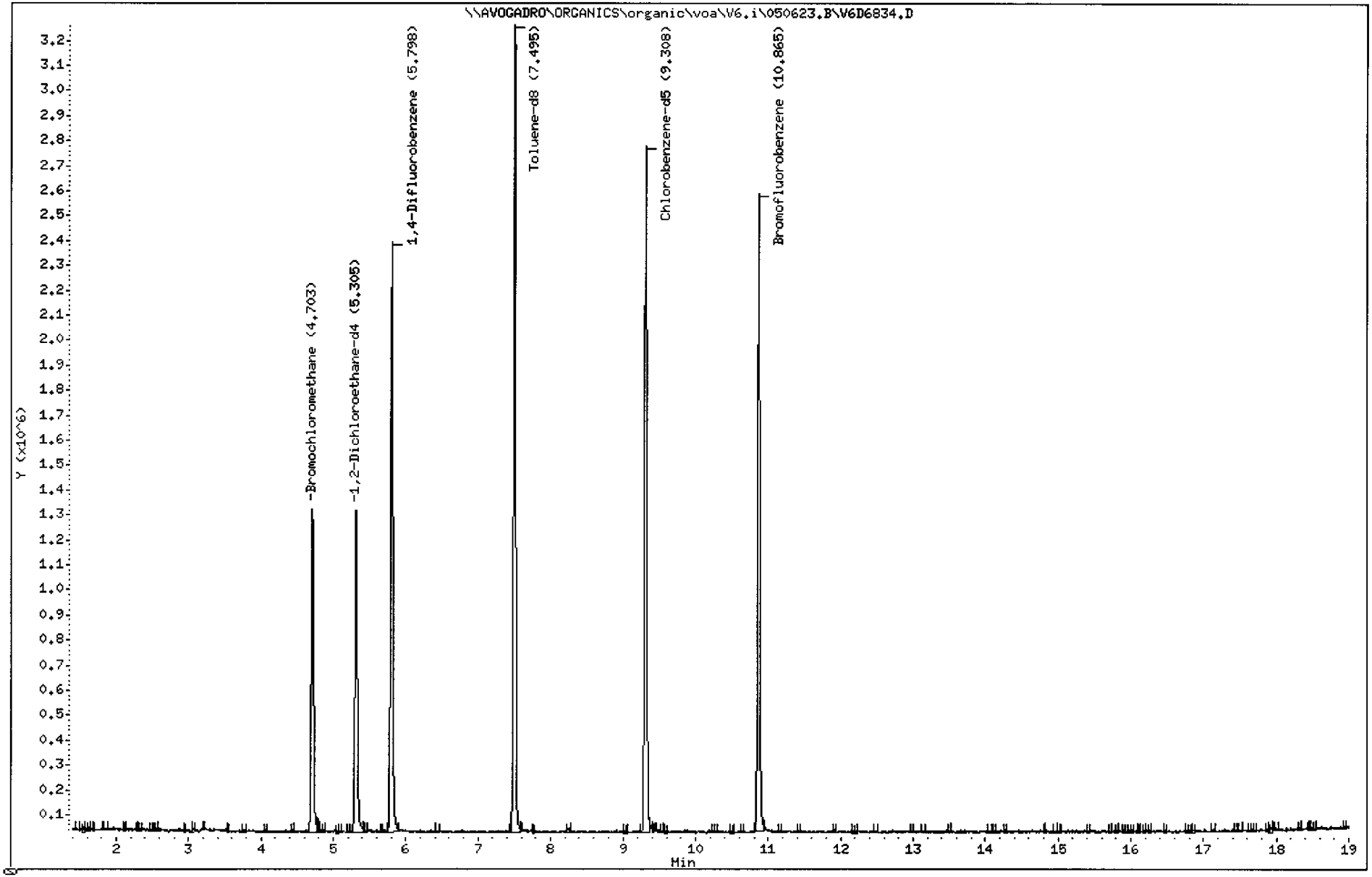
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6834.D
Date : 23-JUN-2005 17:27
Client ID: VHBLK6Q
Instrument: V6.i
Sample Info: ,VHBLK6Q,VHBLK6Q
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6834.D
Report Date: 24-Jun-2005 13:29

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6834.D
Lab Smp Id: VHBLK6Q Client Smp ID: VHBLK6Q
Inj Date : 23-JUN-2005 17:27
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VHBLK6Q,VHBLK6Q
Misc Info : ,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\v6clp4s.m
Meth Date : 24-Jun-2005 13:28 mtl Quant Type: ISTD
Cal Date : 23-JUN-2005 09:25 Cal File: V6D6821.D
Als bottle: 14 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	4.703	4.702	(1.000)	396684	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.305	5.304	(1.128)	1262254	50.3325	50
* 26 1,4-Difluorobenzene	114	5.798	5.797	(1.000)	1877373	50.0000	
$ 33 Toluene-d8	98	7.495	7.494	(0.805)	2356276	47.6645	48
* 42 Chlorobenzene-d5	117	9.308	9.307	(1.000)	1746713	50.0000	
$ 50 Bromofluorobenzene	95	10.865	10.858	(1.167)	932288	45.1392	45

SB 6/24/05

KL

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6834.D
Report Date: 24-Jun-2005 13:29

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\V6D6834.D
Lab Smp Id: VHBLK6Q Client Smp ID: VHBLK6Q
Inj Date : 23-JUN-2005 17:27
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,VHBLK6Q,VHBLK6Q
Misc Info : ,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050623.B\v6clp4s.m
Meth Date : 24-Jun-2005 13:28 mtl Quant Type: ISTD
Cal Date : 23-JUN-2005 09:25 Cal File: V6D6821.D
Als bottle: 14 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6TLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: LCS-18358

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6394

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	56	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	58	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6TLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: LCS-18358

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6394

Level: (low/med) LOW Date Received: _____

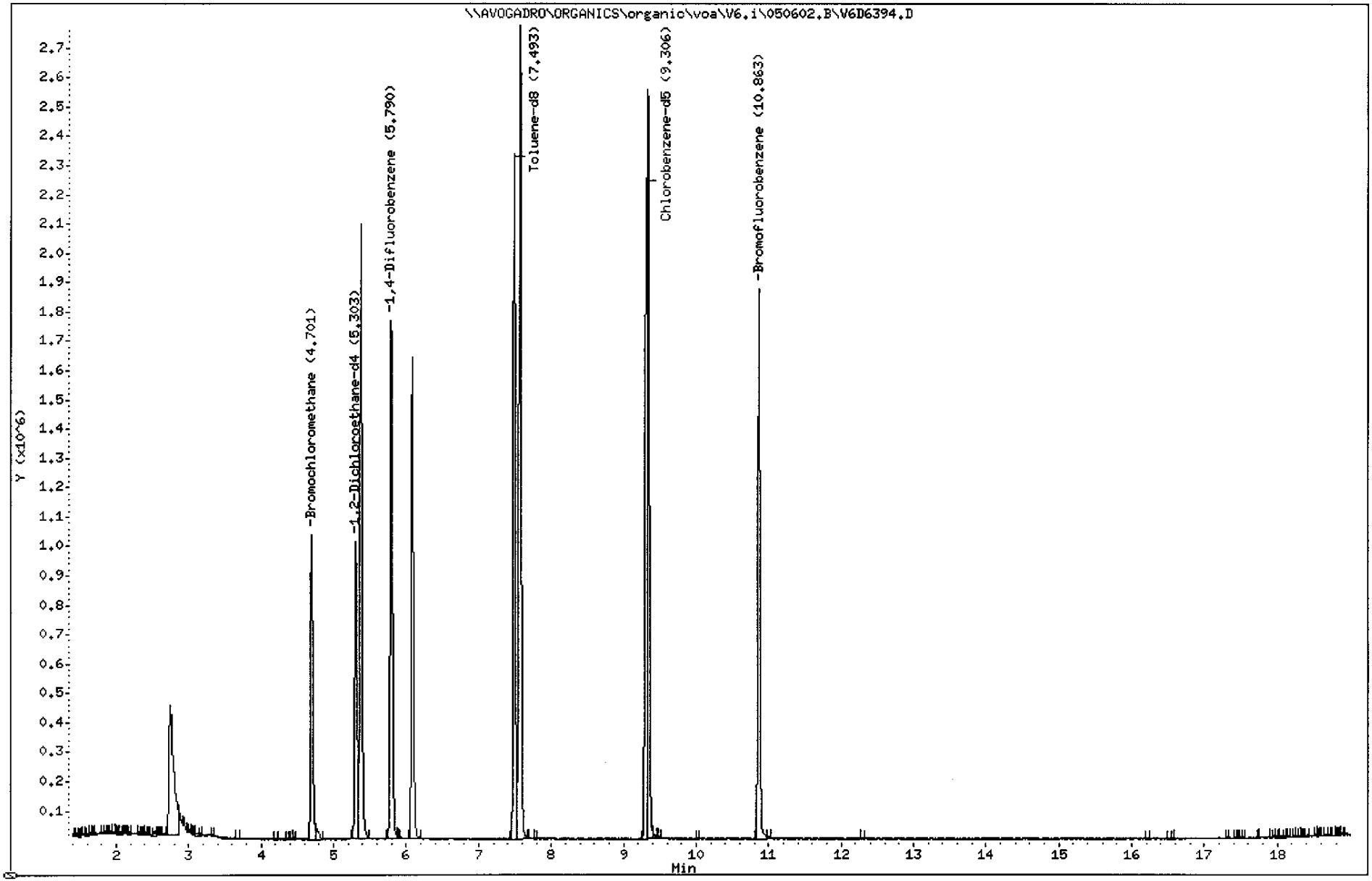
% Moisture: not dec. _____ Date Analyzed: 06/02/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	55	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	61	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	60	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6394.D
Date : 02-JUN-2005 11:46
Client ID: V6TLCS
Instrument: V6.i
Sample Info: ,LCS-18358,V6TLCS
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0204

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6394.D
Report Date: 02-Jun-2005 11:54

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\V6D6394.D
Lab Smp Id: LCS-18358 Client Smp ID: V6TLCS
Inj Date : 02-JUN-2005 11:46
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,LCS-18358,V6TLCS
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050602.B\v6clp4s.m
Meth Date : 02-Jun-2005 10:14 mtl Quant Type: ISTD
Cal Date : 02-JUN-2005 09:37 Cal File: V6D6391.D ✓
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET8

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	7 1,1-Dichloroethene ✓	96	2.760	2.754	(0.587)	418661	56.0918	56
*	18 Bromochloromethane	128	4.701	4.695	(1.000)	321435	50.0000	
$	23 1,2-Dichloroethane-d4	65	5.303	5.303	(1.128)	884688	49.6278	50
	25 Benzene ✓	78	5.370	5.376	(0.927)	1984004	57.8905	58
*	26 1,4-Difluorobenzene	114	5.790	5.796	(1.000)	1536523	50.0000	
	27 Trichloroethene ✓	130	6.082	6.088	(1.050)	617154	55.3763	55
$	33 Toluene-d8 ✓	98	7.493	7.493	(0.805)	1783838	47.4771	47
	34 Toluene	91	7.572	7.572	(0.814)	2345642	60.8731	61
*	42 Chlorobenzene-d5	117	9.306	9.306	(1.000)	1450342	50.0000	
	43 Chlorobenzene ✓	112	9.342	9.342	(1.004)	1689699	59.9642	60
$	50 Bromofluorobenzene	95	10.863	10.857	(1.167)	701373	45.5005	46

KC
6/22/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01AMS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6427

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	55	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	62	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01AMS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6427

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

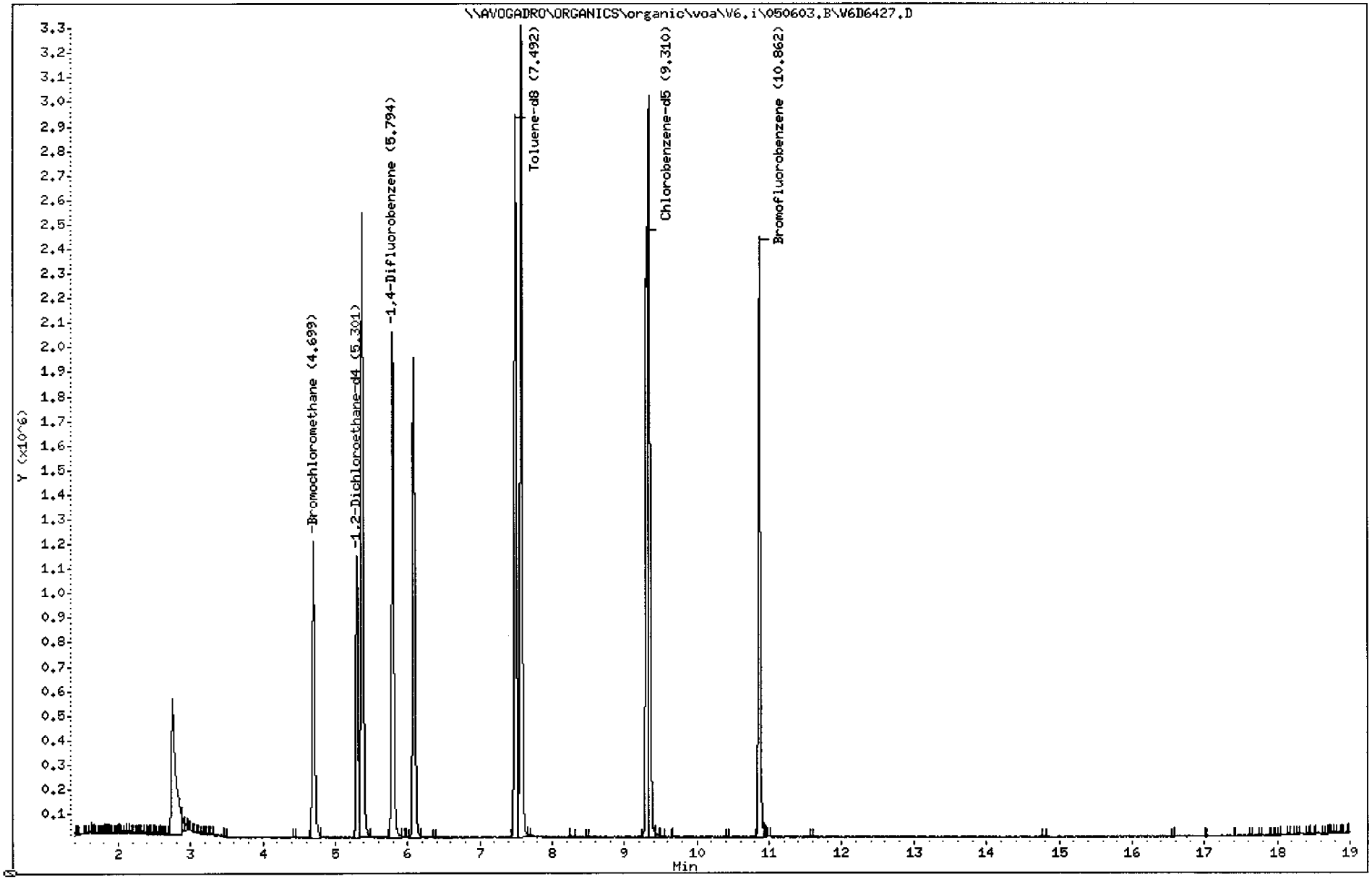
Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	58	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	64	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	64	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6427.D
Date : 03-JUN-2005 16:23
Client ID: ~~MW-10MS~~ MW-01 MS KC 6/26/05
Sample Info: ,D0618-01AMS,18379
Purge Volume: 5.0
Column phase: DB-624

Instrument: V6.i

Operator: SB SRC: SB
Column diameter: 0.25



8208

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6427.D
Report Date: 05-Jun-2005 12:13

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6427.D
Lab Smp Id: D0618-01AMS Client Smp ID: ~~MW-10MS~~ MW-01MS KC 6/26/N
Inj Date : 03-JUN-2005 16:23
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-01AMS,18379
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\v6clp4s.m
Meth Date : 03-Jun-2005 12:18 mtl Quant Type: ISTD
Cal Date : 03-JUN-2005 11:51 Cal File: V6D6421.D ✓
Als bottle: 7 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
7 1,1-Dichloroethene	96	2.752	2.752	(0.586)	527428	54.5048	55
* 18 Bromochloromethane	128	4.699	4.699	(1.000)	377591	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.301	5.301	(1.128)	1053186	48.9346	49
25 Benzene	78	5.375	5.374	(0.928)	2417342	61.6434	62
* 26 1,4-Difluorobenzene	114	5.794	5.794	(1.000)	1758294	50.0000	
27 Trichloroethene	130	6.086	6.086	(1.050)	758706	58.4221	58
$ 33 Toluene-d8	98	7.492	7.492	(0.805)	2243074	50.7545	51
34 Toluene	91	7.571	7.571	(0.814)	2805859	64.4505	64(R)
* 42 Chlorobenzene-d5	117	9.304	9.304	(1.000)	1627128	50.0000	
43 Chlorobenzene	112	9.341	9.341	(1.004)	1980775	64.0221	64
$ 50 Bromofluorobenzene	95	10.862	10.862	(1.167)	909587	49.4455	49

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

KC 6/22/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01AMSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6428

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	55	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	65	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01AMSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6428

Level: (low/med) LOW Date Received: 05/27/05

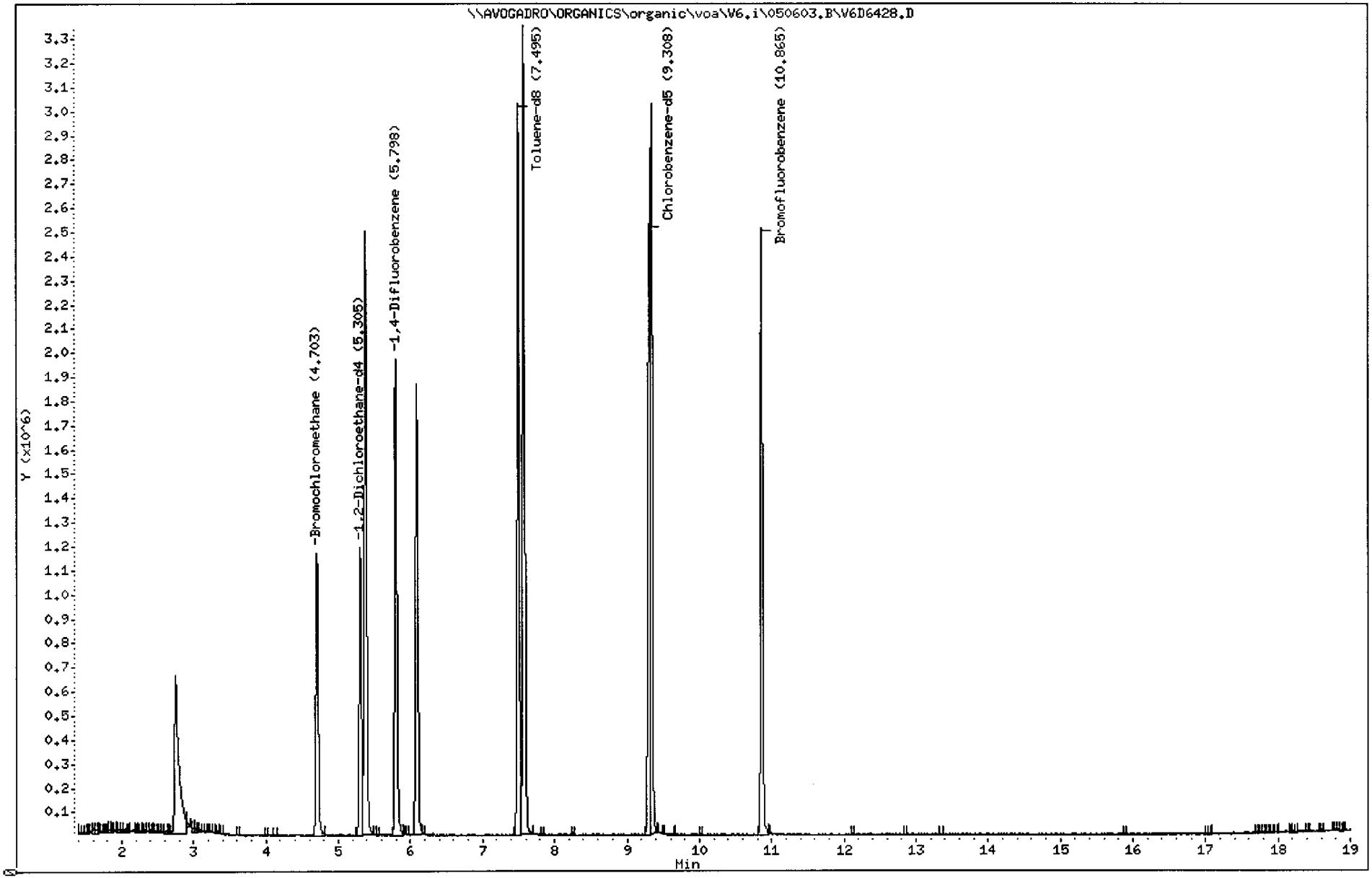
% Moisture: not dec. _____ Date Analyzed: 06/03/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	60	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	65	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	65	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6428.D
Date : 03-JUN-2005 16:50
Client ID: MW-01MSD
Instrument: V6.i
Sample Info: ,D0618-01AMSD,18379
Purge Volume: 5.0
Operator: SB SRC: SB
Column phase: DB-624
Column diameter: 0.25



0211

Data File: \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6428.D
Report Date: 05-Jun-2005 12:15

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\V6D6428.D
Lab Smp Id: D0618-01AMSD Client Smp ID: MW-01MSD
Inj Date : 03-JUN-2005 16:50
Operator : SB SRC: SB Inst ID: V6.i
Smp Info : ,D0618-01AMSD,18379
Misc Info : ,2
Comment :
Method : \\AVOGADRO\ORGANICS\organic\voa\V6.i\050603.B\v6clp4s.m
Meth Date : 03-Jun-2005 12:18 mtl Quant Type: ISTD
Cal Date : 03-JUN-2005 11:51 Cal File: V6D6421.D
Als bottle: 8 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.03
Processing Host: TARGET3

Concentration Formula: Amt * DF * Uf * 5/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	7 1,1-Dichloroethene	96	2.750	2.752	(0.585)	522298	54.5627	55
*	18 Bromochloromethane	128	4.703	4.699	(1.000)	373522	50.0000	
$	23 1,2-Dichloroethane-d4	65	5.305	5.301	(1.128)	1079864	50.7207	51
	25 Benzene	78	5.378	5.374	(0.928)	2406125	64.9338	65(R)
*	26 1,4-Difluorobenzene	114	5.798	5.794	(1.000)	1661450	50.0000	
	27 Trichloroethene	130	6.090	6.086	(1.050)	735723	59.9545	60
$	33 Toluene-d8	98	7.495	7.492	(0.805)	2303904	52.3899	52
	34 Toluene	91	7.574	7.571	(0.814)	2794821	64.5160	65(R)
*	42 Chlorobenzene-d5	117	9.308	9.304	(1.000)	1619083	50.0000	
	43 Chlorobenzene	112	9.344	9.341	(1.004)	2006932	65.1898	65(R)
$	50 Bromofluorobenzene	95	10.865	10.862	(1.167)	956893	52.2756	52

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

KC
6/22/05

Date: 6/1/05

Instrument V 6
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: V6C1P45
INITIAL CAL: 6/1/05
COMMENTS:

CAL ID: VW050601A - STD
IS/SS ID: VW050601B - IS
VW050601C - SS

ANALYST: SB
ARCHIVE:

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V6D63	60	BFB6Q	BFB6Q	2ul	-	OK (09:42)			
	↓	61	VSTD0506Q	VSTD0506Q	5ml	-				
		62	VSTD0106Q	VSTD0106Q	↓	-				
		63	VSTD2006Q	VSTD2006Q		-	OLM AQ TCAL			
	↓	64	VSTD1006Q	VSTD1006Q	↓	-				
	V6D63	65	VSTD0206Q	VSTD0206Q	5ml	-				

n/a SB 6/1/05

COPY
Original Documents Are Included in CSF ____
Signed: _____ Date: ____

Logbook ID 90.0200-3/02

Reviewed By: KC 6/27/05

Logbook page: 0009

Date: 6/1/05

Instrument V 6
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: V6clp4s
INITIAL CAL: 6/1/05
COMMENTS:

CAL ID: VW050601A - STD
IS/SS ID: VW050601B - IS
VW050601C - SS
VW050601D - LCS
VW050601E - ICV

ANALYST: SB
ARCHIVE:

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V6D63	70	BFB6R	BFB6R	2ul	-	OK (12:39)			
	↓	71	VSTD0506R	VSTD0506R	5ml	-	OK			
		72	MB-18357	VBLK6R	100ml/5ml	-	OK	✓	✓	
		73	MB-18341	VBLK68	5ml	-	OK	✓	✓	
		74	LCS-18341	V6SLCS	↓	-	RR	✓	✓	
		75	LCS-18341	V6SLCS		-	OK	✓	✓	
	↓	76	ICV	ICV	↓	-	RR (some low)	✓	✓	
	V6D63	77	D0618- 10A	TRIP	5ml	-	OK	✓	✓	<2

* Sequence stopped due to an operator error programming the auto-sampler

SB 6/2/05

N/a SB 6/2/05

Logbook ID 90.0200-3/02

Reviewed By: KC 6/27/05

Logbook page: 0010

METHOD: V6C1P4S
INITIAL CAL: 6/1/05
COMMENTS:

CAL ID: VW050601A - STD
IS/SS ID: VW050601B - IS
VW050601C - SS
VW050601D - LCS
VW050601E - ICV

ANALYST: SB
ARCHIVE:

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V6D63	90	BFB6T	BFB6T	2ml	–	OK (09:12)			
	↓	91	VSTD0506T	VSTD0506T	5ml	–	OK			
		92	MB-18358	VBLK6T	5ml	–	OK	✓	✓	
		93	MB-18359	VBLK6U	100ml/5ml	–	OK	✓	✓	
		94	LCS-18358	V6TLCS	5ml	–	OK	✓	✓	
		95	LCS-18359	V6ULCS	100ml/5ml	–	OK	✓	✓	
		96	D0603-01A	B-840	↓	4	RR	✓	#3↑	
		97	D0603-01ADL	B-840 DL	100ml/5ml	2	OK (PCE: 68)	✓	✓	
		98	VHBLK6T	VHBLK6T	5ml	–	OK	✓	✓	
	↓	99	D0577-14DDL	5013 DL	100ml/5ml	–	OK	✓	✓	
	V6D64	00	VHBLK6T	VHBLK6T	5ml	–	NOT USED - TICS	✓	✓	
		01	D0618-01A	MW-01		–	OK	✓	✓	<2
		02	01AMS	MW-01 MS		–	RR	✓	2+3↓	
		03	01AMSD	MW-01 MSD		–	RR	✓	✓	
		04	02A	MW-03		–	RR 20X (PCE: 1442)	✓	✓	
		05	03A	MW-04		–	RR 20X (PCE: 1252)	✓	✓	
		06	04A	MW-05		–	RR 1X (PCE < 2)	✓	✓	
		07	05A	MW-06		–	RR 10X (PCE: 772)	✓	#2↓	
		08	06A	MW-07		–	RR 50X (PCE: 3196)	✓	✓	↓
		09	D0618-07A	MW-PW-3		–	RR 200X (cis 1-2 DCE 10,924)	✓	✓	<2
		10	VHBLK6T	VHBLK6T		–	NOT used - carryover	✓	#2↑	
		11	D0638-01A	G32-FHW-01-G2		–	RR > Possible carryover	✓	✓	<2
		12	D0638-02A	G32-AQTB02-G2	↓	–	RR (20:47)	✓	✓	<2
	V6D64	13	VHBLK6T	VHBLK6T	5ml	–	NOT used (OTT) - 21:14			
	~~V6D64~~	14								

N/A SB 6/3/05

SB 6/3/05

Logbook ID 90.0200-3/02 Reviewed By: KC 6/27/05 Logbook page: 0011

Date: 6/3/05

Instrument V 6
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: V6C1p45 CAL ID: VW050601A -STD ANALYST: SB

INITIAL CAL: 6/1/05 IS/SS ID: VW050603A -IS ARCHIVE:

COMMENTS: VW050603B -SS

VW050601D -LCS

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V6D64	20	BFB6V	BFB6V	2ml	-	OK (09:25)			
		21	VSTD0506V	VSTD0506V	5ml	-	OK			
		22	MB-18379	VBLK6V		-	OK	✓	✓	
		23	LCS-18379	V6VLCS		-	OK	✓	✓	
		24	D0638-02A	G32-AQTB02-G2		-	OK	✓	✓	<2
		25	D0638-01A	G3Z-FHW-01-G2		-	OK	✓	✓	<2
		26	D0618-~~02ARE~~ 01ARE	MW-05RE		-	OK as RE	✓	#3↓	
		27	(SB 6/6/05) 01AMS	MW-01MS		-	OK (1 spike ↑)	✓	✓	
		28	01AMSD	MW-01MSD		-	OK (3 spikes ↑)	✓	✓	
		29	05ADL	MW-06DL		10	OK (PCE: 61)	✓	✓	
		30	02ADL	MW-03DL		20	OK (PCE: 72)	✓	✓	
		31	03ADL	MW-04DL		20	OK (PCE: 60)	✓	✓	
		32	06ADL	MW-07DL		50	OK (PCE: 241)	✓	✓	
		33	07ADL	PW-3DL		200	OK (PCE: 451)	✓	✓	
		34	↓ 08A	MW-7		-	RR100X (PCE: 5581)	✓	#2↓	<2
		35	D0618-09A	RIN-3		-	RR1X (PCE: 124)	All↓	All↓	<2
		36	VHBLK6V	VHBLK6V		- 6/6/05	~~Carryover RR~~ OK	✓	✓	
	↓	37	↓	↓	↓	- (SB)	~~Carryover RR~~ OK	✓	✓	
	V6D64	39	VHBLK6V	VHBLK6V	5ml	-	Carryover RR	↓	↓	

* Carryover in HBLK is less than 10 pb Changed to OK (SB)/KC 6/6/05

N/A (SB) 6/5/05

Logbook ID 90.0200-3/02

Reviewed By: KC 6/7/05

Logbook page: 0012

Date: 6/6/05

Instrument V 6
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: V6C1P45
INITIAL CAL: 6/6/05
CAL ID: VW050606A - STD
IS/SS ID: VW050603A - 15
VW050603B - 55
ANALYST: SB
ARCHIVE:
COMMENTS:

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V6D64	50	BFB6X	BFB6X	2ul	–	OK (09:05)			
		51	VSTD0506X	VSTD0506X	5ml	–				
		52	VSTD0106X	VSTD0106X		–				
		53	VSTD2006X	VSTD2006X		–	OLM AQ ICAL			
		54	VSTD1006X	VSTD1006X		–	(w/ THF)			
		55	VSTD0206X	VSTD0206X		–				
		56	MB-18399	VBLK6X		–	OK	✓	✓	
		57	~~LCS-18399~~ RS 6/7	V6XLCS		–	RR - 4 spikes high	✓	✓	
		58	D0623-08A	055FB0526		–	OK	✓	✓	<2
		59	LCS-18399	V6XLCS		–	NOT USED	✓	2+3 ↓	
		60	D0623-08A	055FB0526		–	OK	✓	✓	
		61	D0618-09A	RIN-3		–	OK	✓	✓	<2
		62	D0618-08ADL	MW-7DL		100	RR 1000X (PCE: 807)	✓	#9 ↓	
		63	D0634-01A	ML110505B		–	RR 25X (PCE: 1516)	✓	#3 ↓	<2
		64	02A	n/a		–	NOT USED	✓	✓	↓
		65	03A	MW02D05B		–	RR 2X (PCE 267)	✓	#3 ↓	↓
		66	04A	MW02S05B		–	RR 50X (CIS-1,2 DCE 3098)	✓	✓	<2
		67	04AMS	MW02S05B MS		–	OK RR OK	✓	✓	↓
		68	D0634-04AMSD	MW02S05B MSD		–	RR OK (20:58)	✓	✓	<2
↓		69	VHBLK6X	VHBLK6X	↓	–	N/a OTT			
	V6D64	70	VHBLK6X	VHBLK6X	5ml	–	n/a OTT			

Logbook ID 90.0200-3/02

Reviewed By: KC 6/27/05

Logbook page: 0013

0216

Date: 6/7/05

Instrument V 6
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: V6C1P4S
CAL ID: VW050606A-STD
ANALYST: SB
INITIAL CAL: 6/6/05
IS/SS ID: VW050603A-IS
ARCHIVE:
COMMENTS: VW050603B-SS

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V6D64	80	BFB6Y	BFB6Y	2ul	-	OK (9:34)			
		81	VSTD0506Y	VSTD0506Y	5ml	-	OK			
		82	MB-18423	VBLK6Y		-	OK	✓	✓	
		83	D0618-08ADL	MW-7DL		1000	RR (PCE:86)	✓	2+3 ↓	
		84	D0618-08ADL	MW-7DL		1000	OK (PCE:73)	✓	✓	
		85	VHBLK6Y	VHBLK6Y		-	OK	✓	2+ ✓	
		86	D0634-12A	TB053105		-	OK (MeCl 200)	✓	✓	<2
		87	↓ 09A	EB053105		-	OK (MeCl 173)	✓	✓	↓
		88	D0634-07A	FB053105		-	RR (MeCl 212)	✓	✓	<2
		89	VHBLK6Y	VHBLK6Y		-	OK - NO carryover	✓	✓	
		90	D0634-22A	TB060105		-	RR (MeCl 222)	✓	✓	<2
		91	VHBLK6Y	VHBLK6Y		-	OK - NO carryover	✓	✓	
		92	D0634-03ADL	MW02D05BDL		2	OK (PCE: 174)	✓	✓	
		93	01ADL	ML110505BDL		25	OK (PCE: 90)	✓	✓	
		94	04ADL	MW02505BDL		50	RR 100X (cis-1,2 DCE 323)	✓	✓	
		95	05A	ML120405B		-	OK (cis-1,2 <3)	✓	✓	<2
		96	06A	ML120105B		-	RR2X (PCE: 328)	✓	✓	
		97	08A	MW0705B		-	RR1X (PCE: 36)	✓	✓	
		98	10A	ML220205B		-	RR1X (PCE:12)	✓	✓	
	↓	99	11A	ML220205B		-	RR1X (PCE:11)	✓	✓	
	V6D65	00	↓ 13A	MW0605B		-	RR25X (PCE: 1954)	✓	✓	↓
		01	D0634-14A	MW0505B		-	RR2X (PCE: 367)	✓	✓	<2
		02	VHBLK6Y	VHBLK6Y		-	OK - NO carryover (21:21)	✓	✓	
		03	↓	↓	↓	-	N/a OTT			
	V6D65	04	VHBLK6Y	VHBLK6Y	5ml	-	N/a OTT			
				N/a SB						

Logbook ID 90.0200-3/02

Reviewed By: KC 6/7/05

Logbook page: 0014

Date: 6/23/05

Instrument V 6
Injection Log

Mitkem Corporation
Volatiles Laboratory

METHOD: V6C1P4S
INITIAL CAL: 6/6/05
COMMENTS:

CAL ID: VW050621E - STD
IS/SS ID: VW050622B - SS
VW050622C - IS
VW050617A - LCS

ANALYST: SB
ARCHIVE:

AS #	FILE		MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
	V6D68	20	BFB6Q	BFB6Q	2ul	–	OK (08:50)			
	↓	21	VSTD0506Q	VSTD0506Q	5ml	–	OK			
		22	MB-18686	VBLK6Q	↓	–	OK	✓	✓	
		23	LCS-18686	V6QLCS		–	OK	✓	✓	
		24	D0695-04ADL	MW-18DDL		50	OK (PCE: 113)	✓	✓	
		25	D0695-06ADL	MW-17DDL		80	OK (PCE: 105)	✓	✓	
		26	D0618-06ADL1	MW-07DL1		100	(PCE: 96)	✓	#2+3 ↓	
		27	D0618-07ADL1	PW-3DL1		800	(PCE: 93)	✓	#2+3 ↓	
		28	D0708-05ADL	MW-15DDL		4	OK (PCE: 77)	✓	✓	
		29	D0708-10ADL	MW-04DDL		10	RR ~~200~~ 250X (PCE: 2129)	✓	#2 ↓	
		30	VHBLK6Q	VHBLK6Q		–	(PCE < 3)	✓	✓	
		31	D0708-06ADL	MW-05DDL		50	RR ~~250X~~ 200X (PCE: 600)	✓	✓	
		32	↓ 07ADL	MW-14DDL		50	RR 250X (PCE: 636)	✓	✓	
		33	D0708-04AMS	MW-20DMS		–	(PCE: 334)	✓	✓	
		34	VHBLK6Q	VHBLK6Q		–	OK (clean)	✓	✓	
		35	D0708-08A	MW-24D		–	RR (PCE: 3518)	✓	✓	~7
		36	09A	MW-12H		–	RR1X (carryover)	✓	✓	
		37	10A	MW-04D		–	RR (PCE: 5209)	✓	✓	
		38	11A	MW-06S		–	RR1X (PCE: 226)	✓	✓	
		39	↓ 12A	MW-01		–	RR (PCE: 2165)	✓	✓	↓
		40	D0708-13A	MW-03D	↓	–	RR (PCE: 4291)	✓	✓	~7
		41	VHBLK6Q	VHBLK6Q	5ml	–	(PCE: 14) (20:40)	✓	✓	
		42	D0618-06ADL	MW-07DL	↓	100	n/a OTT	✓	✓	
	↓	43	D0618-07ADL	PW-3DL	↓	800	n/a BAD PURGE ↓	–	–	
	V6D68	44	VHBLK6Q	VHBLK6Q	5ml		n/a (PCE < 2)	✓	✓	

Logbook ID 90.0200-3/02

Reviewed By: KC 6/30/05

Logbook page: 0026

MITKEM CORPORATION: VOLATILES RECEIVING LOGBOOK

VOA Log-In Date	Workorder	Client	Sample Numbers	Relinquished By	Refrigerator ID	Comments
5/24/05	D0579	RIRC/CDM	13-14	LG	R4	
5/24/05	D0597	RIRC/62A	01-04	[illegible]	R4	48hr TAT
5/25/05	D0602	TRC	01-05	YD	R10	
↓	D0603	DAY	01,02	YD	R10	
↓	D0600	CH2M	01-18	YD	R10	
5/25/05	D0598	Maguire	01-02	YD	R10	
5/25/05	D0606	RIRC	01-02	[illegible]	R4	(Smell really insets")
5/26/05	D0607	DB	01-10	YD	R4	
5/26/05	D0609	DAY	06-17	YD	R4	
5/26/05	D0608	CH2M	01, 7-9, 11-13	YD	R4	
5-27-05	D0617	URS	01-09	JC	R10	
↓	D0618	DAY	01-10	JC	R10	
↓	D0620	Maguire	01	JC	R10	
5-27-05	D0622	Lincoln	01-03	JC	R10	
5-31-05	D0623	DAY	01-08	JH	R-10	01-07 soils

MITKEM CORPORATION

* Semivolatile Organics *

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK1C	100	93	155*	107	104	129*	0*	0*	4
02	S1CLCS	114*	114	165*	105	97	142*	0*	0*	5
03	MW-01	100	108	132	101	94	157*	0*	0*	3
04	MW-01MS	94	106	147*	100	90	146*	0*	0*	4
05	MW-01MSD	94	119*	134	108	99	144*	0*	0*	4
06	MW-06	107	107	149*	119*	102	162*	0*	0*	5
07	MW-07	177*	119*	103	112*	97	155*	0*	0*	6
08	RIN-3	93	93	148*	101	87	133*	0*	0*	4
09										
10										
11										
12										
13										
14										
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27										
28										
29										
30										

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix Spike - EPA Sample No.: MW-01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Phenol	88	0.0	90	102	12-110
2-Chlorophenol	88	0.0	74	84	27-123
N-Nitroso-di-n-prop.(1)	59	0.0	52	88	41-116
4-Chloro-3-Methylphenol	88	0.0	110	125*	23- 97
Acenaphthene	59	0.0	62	105	46-118
4-Nitrophenol	88	0.0	110	125*	10- 80
2,4-Dinitrotoluene	59	0.0	56	95	24- 96
Pentachlorophenol	88	0.0	100	114*	9-103
Pyrene	59	0.0	85	144*	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	88	91	103	1	42	12-110
2-Chlorophenol	88	79	90	7	40	27-123
N-Nitroso-di-n-prop.(1)	59	53	90	2	38	41-116
4-Chloro-3-Methylphenol	88	120	136*	8	42	23- 97
Acenaphthene	59	62	105	0	31	46-118
4-Nitrophenol	88	110	125*	0	50	10- 80
2,4-Dinitrotoluene	59	62	105*	10	38	24- 96
Pentachlorophenol	88	120	136*	18	50	9-103
Pyrene	59	83	141*	2	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 9 out of 18 outside limits

COMMENTS: _____

FORM 3
WATER SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix Spike - Sample No.: S1CLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Phenol	75		73	97	12-110
2-Chlorophenol	75		65	87	27-123
N-Nitroso-di-n-prop.(1)	50		47	94	41-116
4-Chloro-3-Methylphenol	75		110	147*	23- 97
Acenaphthene	50		55	110	46-118
4-Nitrophenol	75		89	119*	10- 80
2,4-Dinitrotoluene	50		54	108*	24- 96
Pentachlorophenol	75		77	103	9-103
Pyrene	50		74	148*	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 4 out of 9 outside limits

COMMENTS: _____

FORM III SV

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK1C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: S1E4632 Lab Sample ID: MB-18321

Instrument ID: S1 Date Extracted: 05/31/05

Matrix: (soil/water) WATER Date Analyzed: 06/06/05

Level: (low/med) LOW Time Analyzed: 1534

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S1CLCS	LCS-18321	S1E4633	06/06/05
02	MW-01	D0618-01B	S1E4634	06/06/05
03	MW-01MS	D0618-01BMS	S1E4635	06/06/05
04	MW-01MSD	D0618-01BMSD	S1E4636	06/06/05
05	MW-06	D0618-05B	S1E4637	06/06/05
06	MW-07	D0618-06B	S1E4638	06/06/05
07	RIN-3	D0618-09B	S1E4639	06/06/05
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09				
10				
11				
12				
13				
14				
15				
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29				
30				

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: S1E4590A DFTPP Injection Date: 05/31/05

Instrument ID: S1 DFTPP Injection Time: 1453

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	56.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	72.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	47.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	22.6
365	Greater than 0.75% of mass 198	5.37
441	Present, but less than mass 443	16.4
442	40.0 - 110.0% of mass 198	88.0
443	15.0 - 24.0% of mass 442	16.8 (19.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0501B	SSTD0501B	S1E4591A	05/31/05	1509
02	SSTD1601B	SSTD1601B	S1E4592A	05/31/05	1545
03	SSTD0801B	SSTD0801B	S1E4594A	05/31/05	1647
04	SSTD0201B	SSTD0201B	S1E4593	05/31/05	1717
05	SSTD1201B	SSTD1201B	S1E4595A	05/31/05	1747
06					
07					
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21					
22					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab File ID: S1E4630 DFTPP Injection Date: 06/06/05

Instrument ID: S1 DFTPP Injection Time: 1412

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	57.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	72.7
70	Less than 2.0% of mass 69	0.4 (0.6)1
127	25.0 - 75.0% of mass 198	48.2
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	22.5
365	Greater than 0.75% of mass 198	5.71
441	Present, but less than mass 443	16.4
442	40.0 - 110.0% of mass 198	97.5
443	15.0 - 24.0% of mass 442	18.4 (18.9)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0501F	SSTD0501F	S1E4631A	06/06/05	1503
02	SBLK1C	MB-18321	S1E4632	06/06/05	1534
03	S1CLCS	LCS-18321	S1E4633	06/06/05	1604
04	MW-01	D0618-01B	S1E4634	06/06/05	1705
05	MW-01MS	D0618-01BMS	S1E4635	06/06/05	1735
06	MW-01MSD	D0618-01BMSD	S1E4636	06/06/05	1806
07	MW-06	D0618-05B	S1E4637	06/06/05	1836
08	MW-07	D0618-06B	S1E4638	06/06/05	1907
09	RIN-3	D0618-09B	S1E4639	06/06/05	1938
10					
11					
12					
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14					
15					
16					
17					
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19					
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21					
22					

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

EPA Sample No. (SSTD050##): SSTD0501F Date Analyzed: 06/06/05

Lab File ID (Standard): S1E4631A Time Analyzed: 1503

Instrument ID: S1 GC Column: DB-5MS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	127578	4.88	498744	6.78	254985	9.52
	UPPER LIMIT	255156	5.38	997488	7.28	509970	10.02
	LOWER LIMIT	63789	4.38	249372	6.28	127493	9.02
	EPA SAMPLE NO.						
01	SBLK1C	109736	4.88	408000	6.77	259279	9.52
02	S1CLCS	117602	4.88	381594	6.78	240565	9.52
03	MW-01	121368	4.87	414594	6.77	234845	9.51
04	MW-01MS	123569	4.88	446042	6.78	252740	9.52
05	MW-01MSD	115760	4.88	442423	6.78	234680	9.52
06	MW-06	108253	4.87	449072	6.78	253676	9.52
07	MW-07	119122	4.88	364770	6.78	209592	9.52
08	RIN-3	124391	4.88	502041	6.78	279057	9.52
09							
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20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

EPA Sample No. (SSTD050##): SSTD0501F Date Analyzed: 06/06/05

Lab File ID (Standard): S1E4631A Time Analyzed: 1503

Instrument ID: S1 GC Column: DB-5MS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	463735	11.87	658771	16.08	479495	18.17
	UPPER LIMIT	927470	12.37	1317542	16.58	958990	18.67
	LOWER LIMIT	231868	11.37	329386	15.58	239748	17.67
	EPA SAMPLE NO.						
01	SBLK1C	464748	11.86	469039	16.06	456732	18.17
02	S1CLCS	450695	11.87	458051	16.06	429299	18.16
03	MW-01	430319	11.86	446025	16.06	420022	18.17
04	MW-01MS	475156	11.87	456223	16.07	434672	18.16
05	MW-01MSD	468606	11.87	441610	16.06	453894	18.17
06	MW-06	415042	11.85	443581	16.07	371910	18.17
07	MW-07	426370	11.87	383397	16.07	413235	18.17
08	RIN-3	520682	11.86	500998	16.07	496406	18.17
09							
10							
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20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01B

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: S1E4634

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	11	U
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)Ether	11	U
95-57-8	2-Chlorophenol	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
98-86-2	Acetophenone	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
105-60-2	Caprolactam	11	U
59-50-7	4-Chloro-3-Methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	28	U
92-52-4	1,1'-Biphenyl	11	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	28	U
131-11-3	Dimethylphthalate	11	U
606-20-2	2,6-Dinitrotoluene	11	U
208-96-8	Acenaphthylene	11	U
99-09-2	3-Nitroaniline	28	U
83-32-9	Acenaphthene	11	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01B

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: S1E4634

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	28	U
100-02-7	4-Nitrophenol	28	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U
84-66-2	Diethylphthalate	11	U
86-73-7	Fluorene	11	U
7005-72-3	4-Chlorophenyl-phenylether	11	U
100-01-6	4-Nitroaniline	28	U
534-52-1	4,6-Dinitro-2-methylphenol	28	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
1912-24-9	Atrazine	11	U
87-86-5	Pentachlorophenol	28	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenzo(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

MW-01

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01B

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: S1E4634

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/31/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/06/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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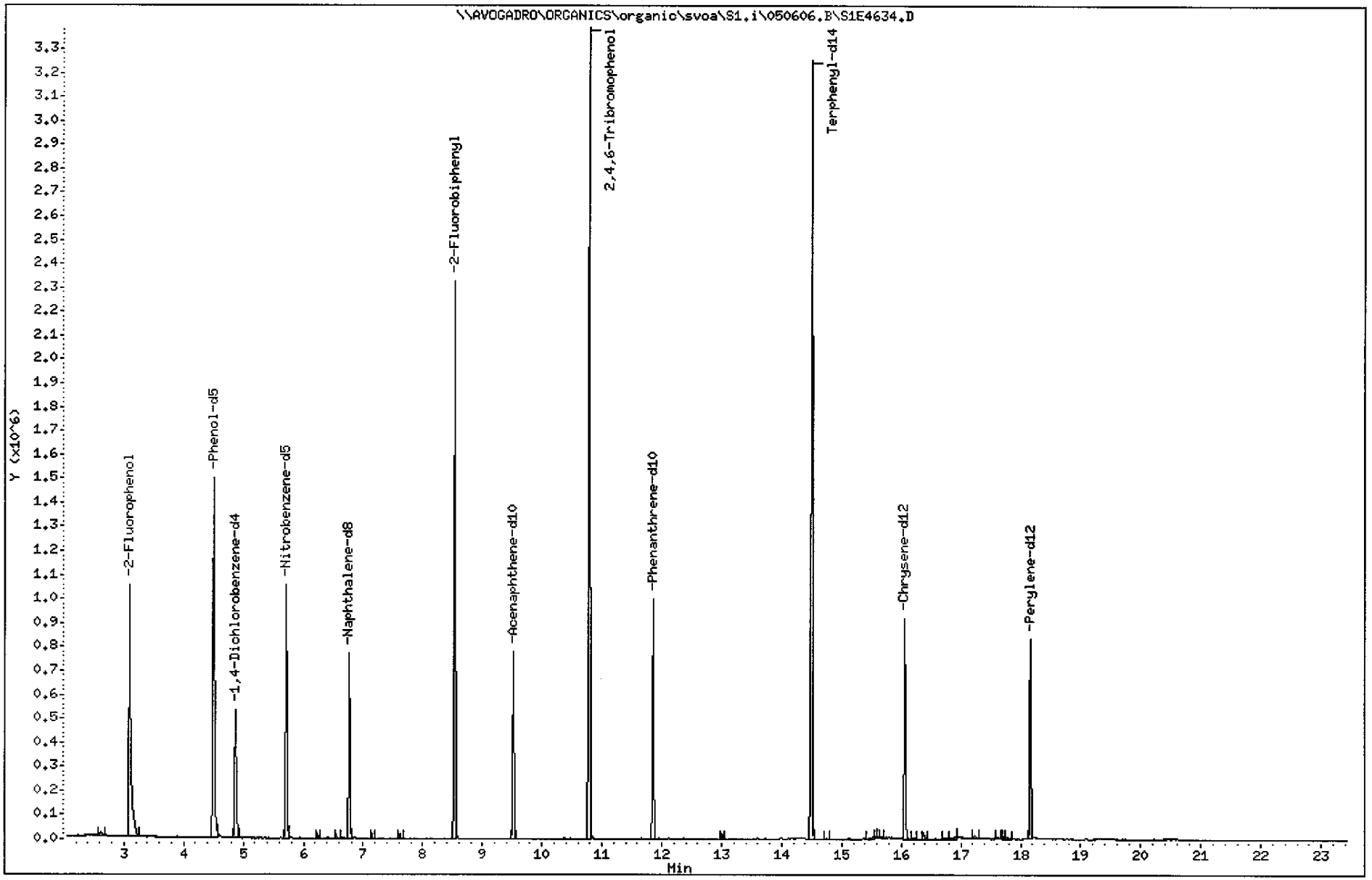
Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4634.D
Date : 06-JUN-2005 17:05
Client ID: MW-01
Sample Info: D0618-01B,,18321,,
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S1.i

Operator: AW SRC: LIMS
Column diameter: 0.25



0232

Data File: S1E4634.D
Report Date: 08-Jun-2005 15:27

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4634.D
Lab Smp Id: D0618-01B Client Smp ID: MW-01
Inj Date : 06-JUN-2005 17:05
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0618-01B,,18321,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\s1_olm4_2_S.m
Meth Date : 06-Jun-2005 15:28 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 15:03 Cal File: S1E4631A.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	900.000	Volume of sample extracted (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	1 2-Fluorophenol	112	3.097	3.082	(0.636)	555421	141.290	78
$	3 Phenol-d5	99	4.501	4.497	(0.925)	627817	151.933	84
*	8 1,4-Dichlorobenzene-d4	152	4.868	4.875	(1.000)	121368	40.0000	
$	16 Nitrobenzene-d5	82	5.722	5.729	(0.845)	417168	99.6174	55
*	23 Naphthalene-d8	136	6.770	6.777	(1.000)	414594	40.0000	
$	33 2-Fluorobiphenyl	172	8.531	8.538	(0.897)	884581	108.101	60
*	41 Acenaphthene-d10	164	9.514	9.521	(1.000)	234845	40.0000	
$	53 2,4,6-Tribromophenol	330	10.789	10.796	(0.910)	692352	235.741	130(AR)
*	58 Phenanthrene-d10	188	11.858	11.865	(1.000)	430319	40.0000	
$	65 Terphenyl-d14	244	14.505	14.501	(0.903)	1323741	131.538	73
*	69 Chrysene-d12	240	16.061	16.079	(1.000)	446025	40.0000	
*	76 Perylene-d12	264	18.168	18.175	(1.000)	420022	40.0000	

06/08/05 AW

Data File: S1E4634.D
Report Date: 08-Jun-2005 15:27

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: S1E4634.D
Report Date: 08-Jun-2005 15:27

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4634.D
Lab Smp Id: D0618-01B Client Smp ID: MW-01
Inj Date : 06-JUN-2005 17:05
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0618-01B,,18321,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\s1_olm4_2_S.m
Meth Date : 06-Jun-2005 15:28 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 15:03 Cal File: S1E4631A.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-06

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4637

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-06

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4637

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

MW-06

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4637

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

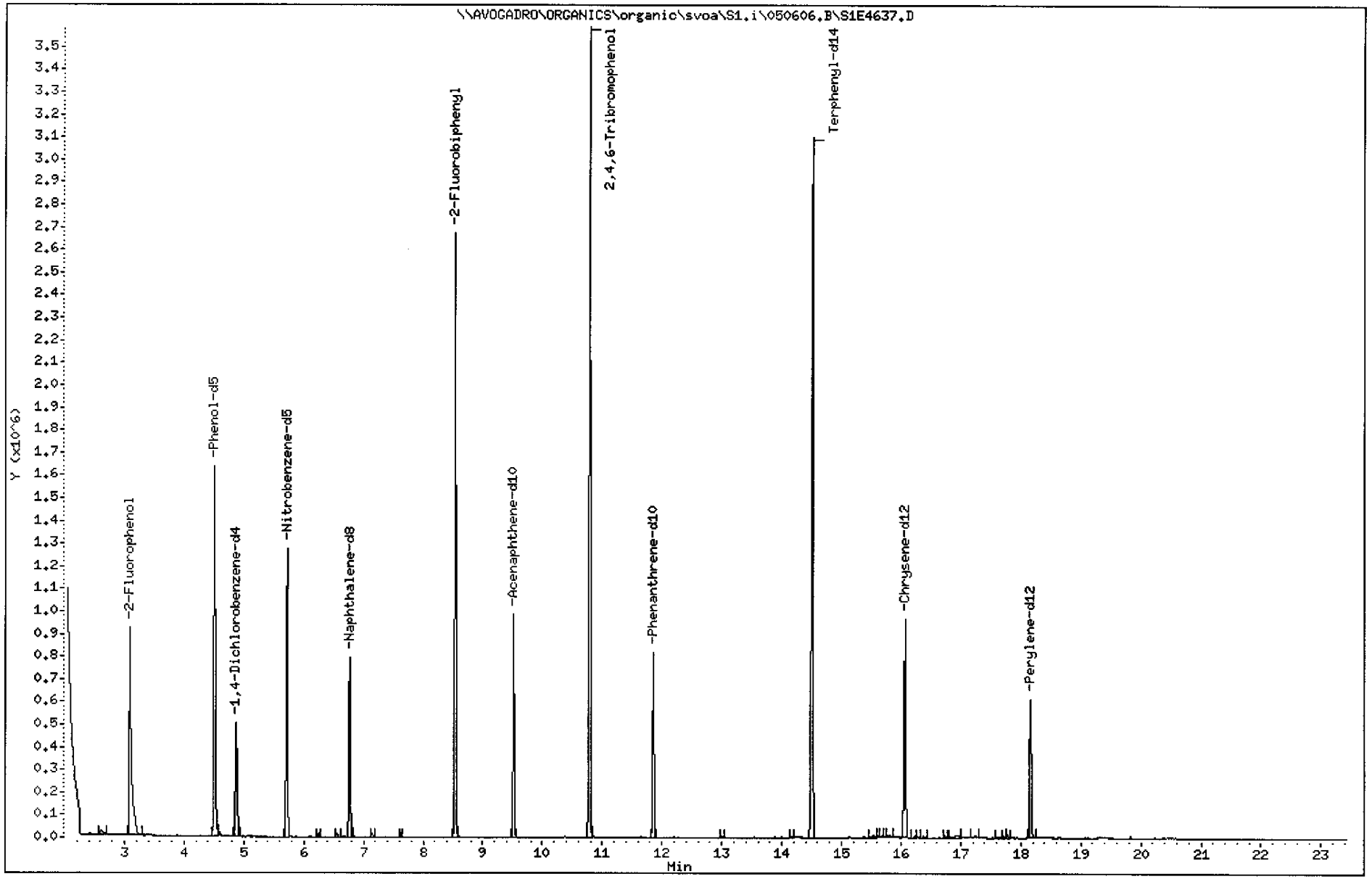
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4637.D
Date : 06-JUN-2005 18:36
Client ID: MW-06
Sample Info: D0618-05B,,18321,,
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S1.i
Operator: AW SRC: LIMS
Column diameter: 0.25



0239

Data File: S1E4637.D
Report Date: 08-Jun-2005 15:38

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4637.D
Lab Smp Id: D0618-05B Client Smp ID: MW-06
Inj Date : 06-JUN-2005 18:36
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0618-05B,,18321,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\s1_olm4_2_S.m
Meth Date : 06-Jun-2005 15:28 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 15:03 Cal File: S1E4631A.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	1 2-Fluorophenol	112	3.092	3.082	(0.634)	538621	153.616	77
$	3 Phenol-d5	99	4.507	4.497	(0.925)	659589	178.960	89(AR)
*	8 1,4-Dichlorobenzene-d4	152	4.875	4.875	(1.000)	108253	40.0000	
$	16 Nitrobenzene-d5	82	5.728	5.729	(0.845)	485531	107.040	54
*	23 Naphthalene-d8	136	6.776	6.777	(1.000)	449072	40.0000	
$	33 2-Fluorobiphenyl	172	8.537	8.538	(0.897)	947023	107.141	54
*	41 Acenaphthene-d10	164	9.520	9.521	(1.000)	253676	40.0000	
$	53 2,4,6-Tribromophenol	330	10.795	10.796	(0.911)	687219	242.606	120(AR)
*	58 Phenanthrene-d10	188	11.854	11.865	(1.000)	415042	40.0000	
$	65 Terphenyl-d14	244	14.511	14.501	(0.903)	1490741	148.949	74(R)
*	69 Chrysene-d12	240	16.067	16.079	(1.000)	443581	40.0000	
*	76 Perylene-d12	264	18.174	18.175	(1.000)	371910	40.0000	

06/08/05

Data File: S1E4637.D
Report Date: 08-Jun-2005 15:38

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: S1E4637.D
Report Date: 08-Jun-2005 15:38

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4637.D
Lab Smp Id: D0618-05B Client Smp ID: MW-06
Inj Date : 06-JUN-2005 18:36
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0618-05B,,18321,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\s1_olm4_2_S.m
Meth Date : 06-Jun-2005 15:28 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 15:03 Cal File: S1E4631A.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4638

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4638

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-07

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4638

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

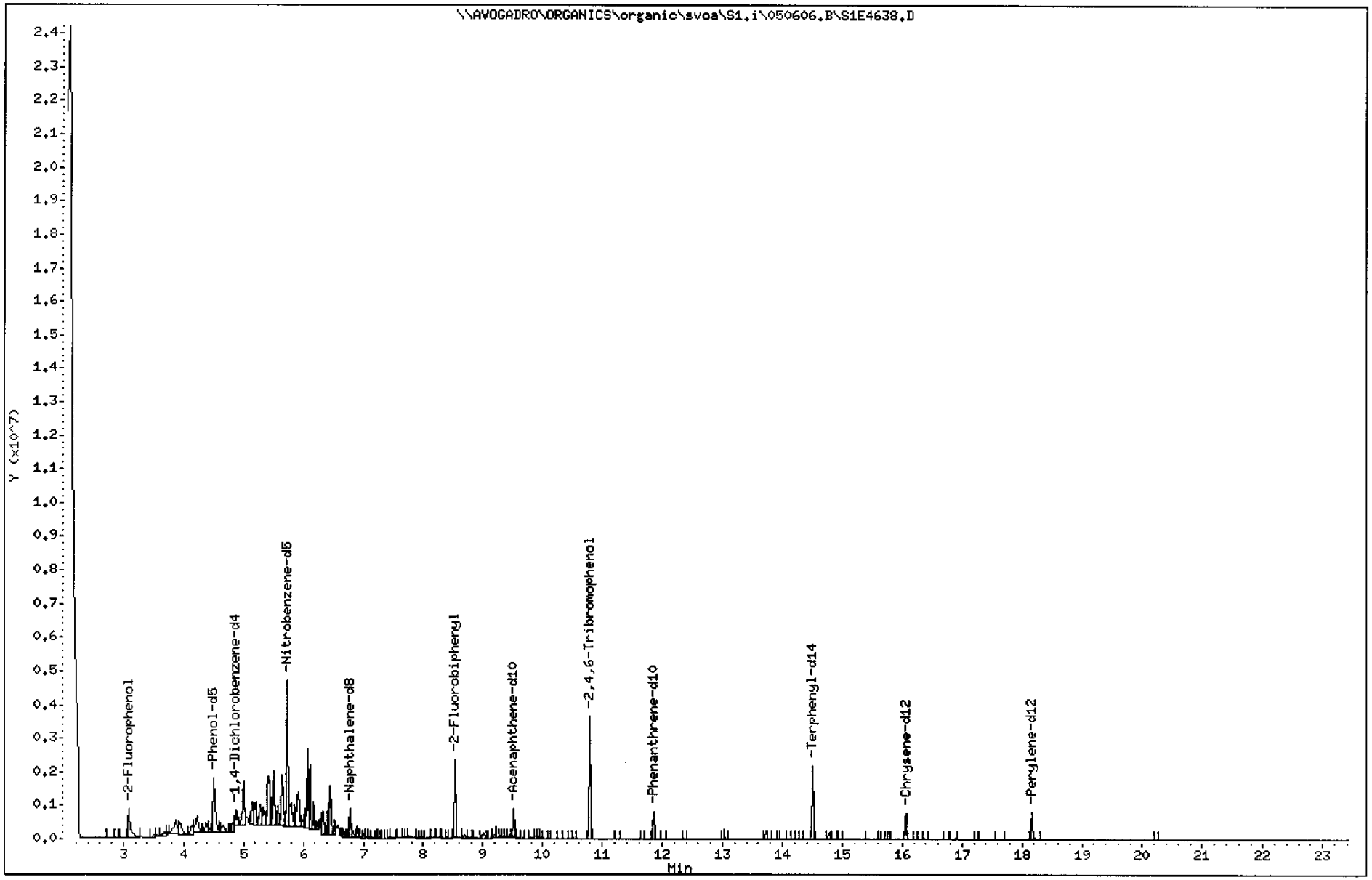
GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.13	21	J
2.	UNKNOWN	4.38	22	J
3. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	4.45	7	NJ
4. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	4.66	19	NJ
5.	UNKNOWN	4.83	19	J
6.	UNKNOWN	5.00	79	J
7.	UNKNOWN	5.15	33	J
8.	UNKNOWN	5.20	38	J
9. 105-05-5	BENZENE, 1,4-DIETHYL-	5.29	32	NJ
10.	UNKNOWN	5.33	30	J
11.	UNKNOWN	5.41	77	J
12.	UNKNOWN	5.57	23	J
13. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	5.66	94	NJ
14.	UNKNOWN	5.80	51	J
15.	UNKNOWN	5.91	53	J
16.	UNKNOWN	5.99	11	J
17. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	6.08	78	NJ
18. 488-23-3	BENZENE, 1,2,3,4-TETRAMETHYL	6.12	52	NJ
19.	UNKNOWN	6.17	19	J
20. 2547-27-5	TRANS-4A-METHYL-DECAHYDRONAP	6.23	5	NJ
21.	UNKNOWN	6.28	9	J
22. 934-10-1	3-PHENYLBUT-1-ENE	6.33	28	NJ
23.	UNKNOWN	6.52	13	J
24.	UNKNOWN	6.67	6	J
25.	UNKNOWN	6.90	11	J
26.	UNKNOWN	8.70	4	J
27.	UNKNOWN	9.02	7	J
28.	UNKNOWN	9.44	4	J
29. 10544-50-0	CYCLIC OCTAATOMIC SULFUR	13.74	8	NJ
30.	UNKNOWN	14.80	7	J

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4638.D
Date : 06-JUN-2005 19:07
Client ID: MW-07
Instrument: S1.i
Sample Info: D0618-06B,,18321,,
Volume Injected (uL): 2.0
Operator: AW SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



0246

Data File: S1E4638.D
Report Date: 10-Jun-2005 14:12

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4638.D
Lab Smp Id: D0618-06B Client Smp ID: MW-07
Inj Date : 06-JUN-2005 19:07
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0618-06B,,18321,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\s1_olm4_2_S.m
Meth Date : 06-Jun-2005 15:28 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 15:03 Cal File: S1E4631A.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	1 2-Fluorophenol	112	3.084	3.082	(0.632)	562627	145.822	73
$	3 Phenol-d5	99	4.510	4.497	(0.925)	680521	167.792	84 (AR)
*	8 1,4-Dichlorobenzene-d4	152	4.877	4.875	(1.000)	119122	40.0000	
$	16 Nitrobenzene-d5	82	5.731	5.729	(0.845)	653642	177.406	89 (AR)
*	23 Naphthalene-d8	136	6.779	6.777	(1.000)	364770	40.0000	
$	33 2-Fluorobiphenyl	172	8.540	8.538	(0.897)	867787	118.826	59 (R)
*	41 Acenaphthene-d10	164	9.523	9.521	(1.000)	209592	40.0000	
$	53 2,4,6-Tribromophenol	330	10.798	10.796	(0.910)	677722	232.897	120 (AR)
*	58 Phenanthrene-d10	188	11.867	11.865	(1.000)	426370	40.0000	
$	65 Terphenyl-d14	244	14.503	14.501	(0.903)	890446	102.936	51
*	69 Chrysene-d12	240	16.070	16.079	(1.000)	383397	40.0000	
*	76 Perylene-d12	264	18.166	18.175	(1.000)	413235	40.0000	

06/10/05

Data File: S1E4638.D
Report Date: 10-Jun-2005 14:12

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: S1E4638.D
Report Date: 08-Jun-2005 15:44

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4638.D
Lab Smp Id: D0618-06B Client Smp ID: MW-07
Inj Date : 06-JUN-2005 19:07
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0618-06B,,18321,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\s1_olm4_2_S.m
Meth Date : 06-Jun-2005 15:28 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 15:03 Cal File: S1E4631A.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)

ISTD		RT	AREA	AMOUNT
*	8 1,4-Dichlorobenzene-d4	4.877	917340	40.000
*	23 Naphthalene-d8	6.779	1154326	40.000
*	41 Acenaphthene-d10	9.523	1207741	40.000
*	58 Phenanthrene-d10	11.867	1316912	40.000
*	69 Chrysene-d12	16.070	1173854	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #

Data File: S1E4638.D
Report Date: 08-Jun-2005 15:44

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
4.132	952760	41.5444655	21	0		0	8
Unknown				CAS #:			
4.380	1024789	44.6852421	22	0		0	8
Benzene, 1-ethyl-2-methyl-				CAS #:	611-14-3		
4.445	307376	13.4029259	7	90	NIST98.L	9132	8
Benzene, 1,2,3-trimethyl-				CAS #:	526-73-8		
4.661	861361	37.5590730	19	90	NIST98.L	9116	8
Unknown				CAS #:			
4.834	862861	37.6244795	19	0		0	8
Unknown				CAS #:			
4.996	3622122	157.940218	79	0		0	8
Unknown				CAS #:			
5.148	1528937	66.6682800	33	0		0	8
Unknown				CAS #:			
5.202	1748769	76.2539080	38	0		0	8
Benzene, 1,4-diethyl-				CAS #:	105-05-5		
5.288	1475005	64.3166111	32	93	NIST98.L	14327	8
Unknown				CAS #:			
5.331	1368587	59.6763250	30	0		0	8
Unknown				CAS #:			
5.407	3537196	154.237077	77	0		0	8
Unknown				CAS #:			
5.569	1050618	45.8114985	23	0		0	8
Benzene, 1-ethyl-2,4-dimethyl-				CAS #:	874-41-9		
5.655	4309590	187.916803	94	96	NIST98.L	14370	8
Unknown				CAS #:			
5.796	2338038	101.948590	51	0		0	8
Unknown				CAS #:			
5.915	3077998	106.659575	53	0		0	23

Data File: S1E4638.D
Report Date: 08-Jun-2005 15:44

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
5.990	654041	22.6639961	11	0		0	23
Benzene, 1,2,4,5-tetramethyl-				CAS #: 95-93-2			
6.077	4494006	155.727446	78	91	NIST98.L	14360	23
Benzene, 1,2,3,4-tetramethyl-				CAS #: 488-23-3			
6.120	2999780	103.949144	52	96	NIST98.L	14353	23
Unknown				CAS #:			
6.174	1072817	37.1755293	19	0		0	23
trans-4a-Methyl-decahydronaphthalene				CAS #: 2547-27-5			
6.228	260147	9.01468043	5	87	NIST98.L	24332	23
Unknown				CAS #:			
6.282	536629	18.5954055	9	0		0	23
3-Phenylbut-1-ene				CAS #: 934-10-1			
6.325	1608060	55.7229067	28	92	NIST98.L	13568	23
Unknown				CAS #:			
6.520	742897	25.7430570	13	0		0	23
Unknown				CAS #:			
6.671	349124	12.0979342	6	0		0	23
Unknown				CAS #:			
6.898	624378	21.6361063	11	0		0	23
Unknown				CAS #:			
8.702	227667	7.54025905	4	0		0	41
Unknown				CAS #:			
9.015	407920	13.5101814	7	0		0	41
Unknown				CAS #:			
9.437	214607	7.10771598	4	0		0	41
Cyclic octaatomic sulfur				CAS #: 10544-50-0			
13.736	549859	16.7014652	8	86	NIST98.L	92478	58
Unknown				CAS #:			
14.795	404310	13.7771818	7	0		0	69

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4638.D

Date : 06-JUN-2005 19:07

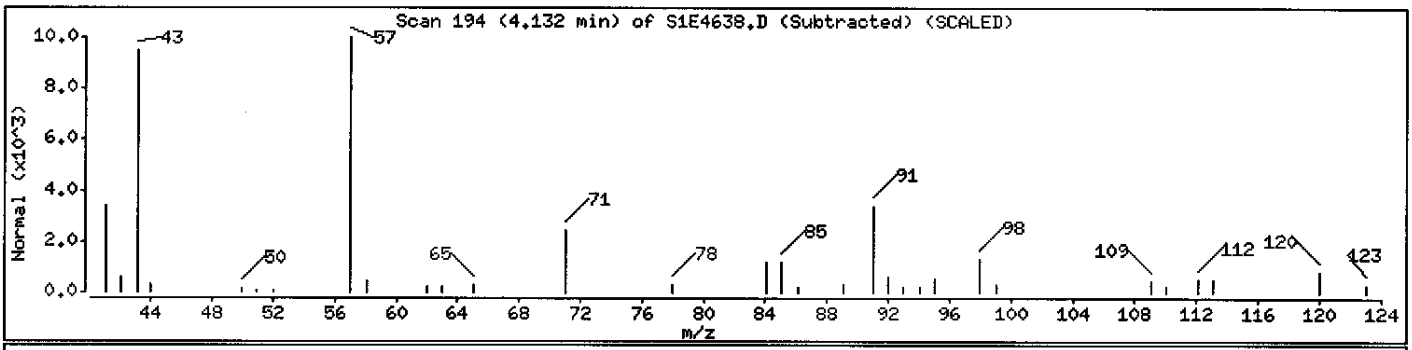
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



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Date : 06-JUN-2005 19:07

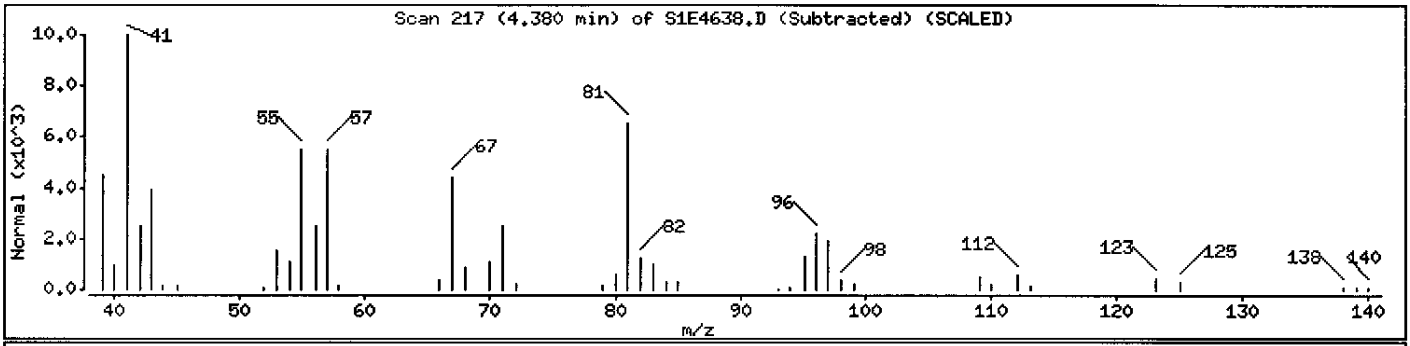
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



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Date : 06-JUN-2005 19:07

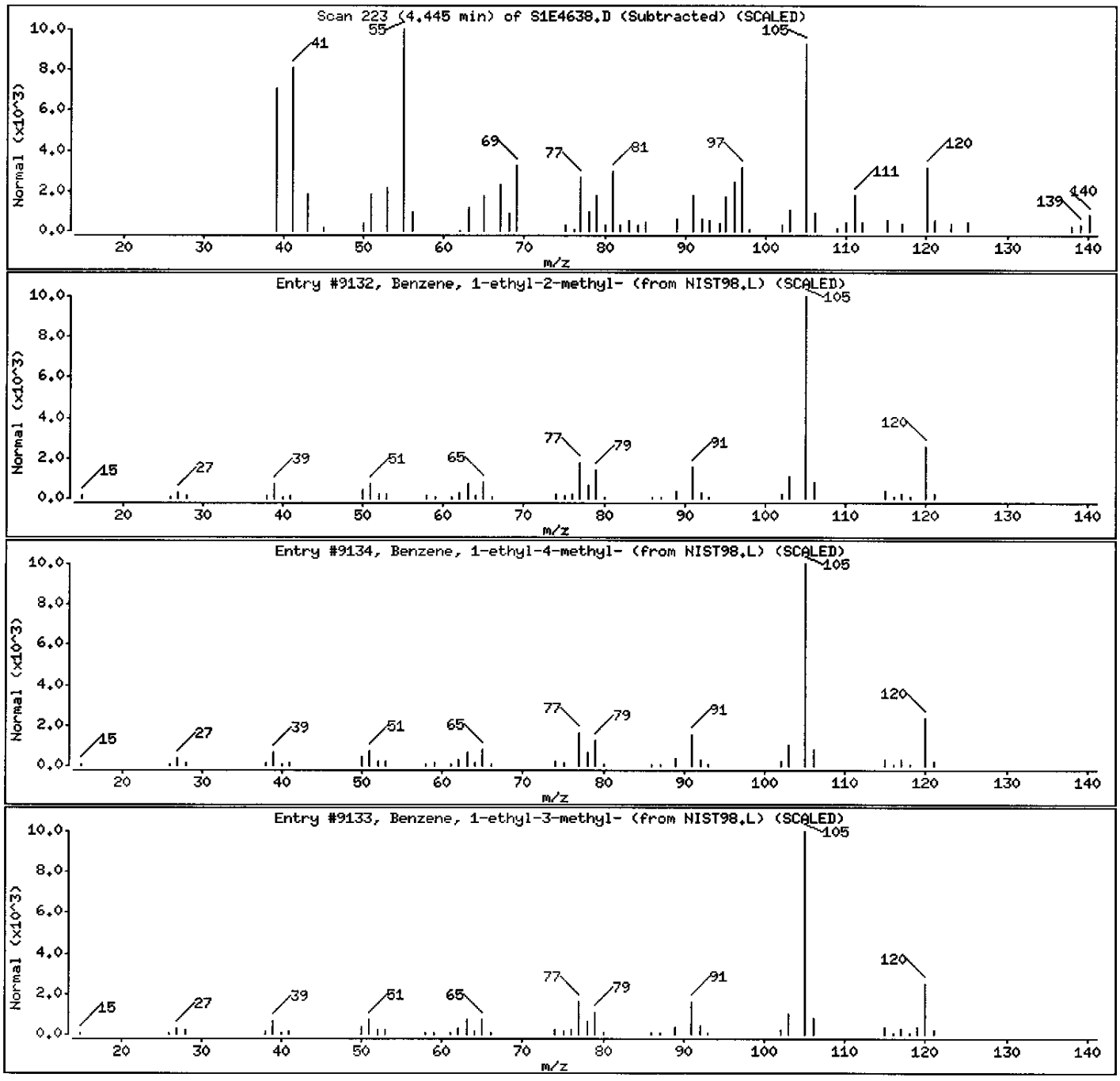
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2-methyl-	611-14-3	NIST98.L	9132	90	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NIST98.L	9134	87	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	NIST98.L	9133	64	C9H12	120



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Date : 06-JUN-2005 19:07

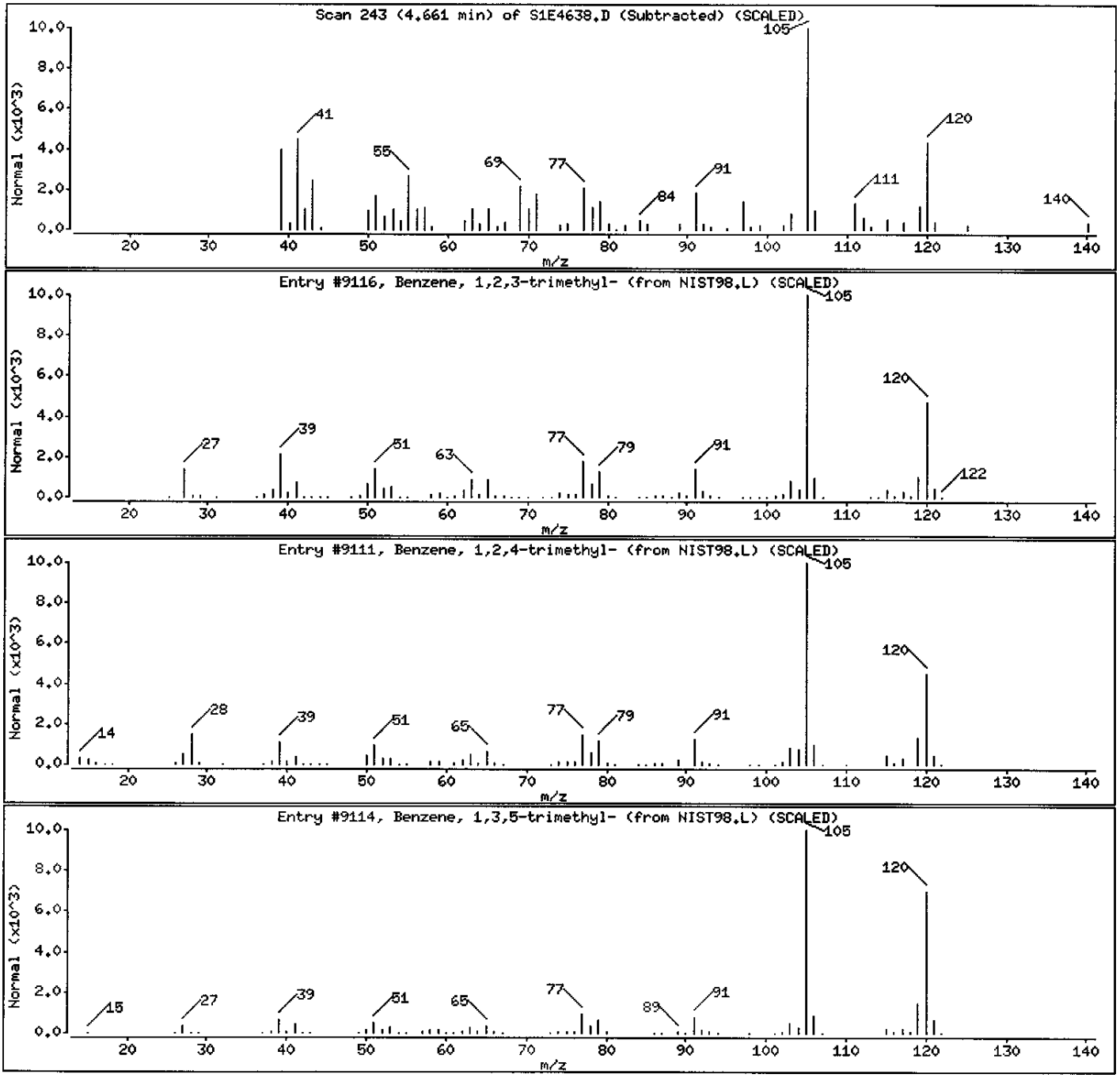
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3-trimethyl-	526-73-8	NIST98.L	9116	90	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NIST98.L	9111	60	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NIST98.L	9114	60	C9H12	120



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Date : 06-JUN-2005 19:07

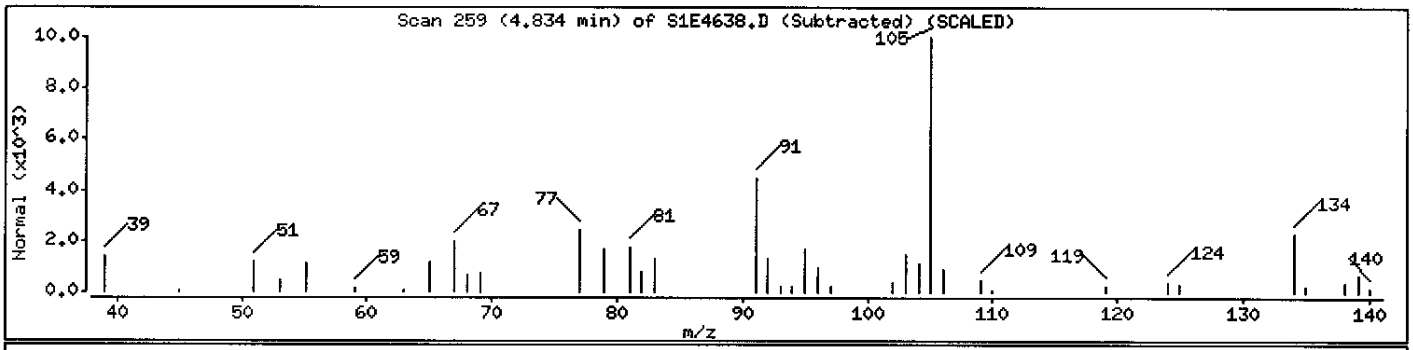
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



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Date : 06-JUN-2005 19:07

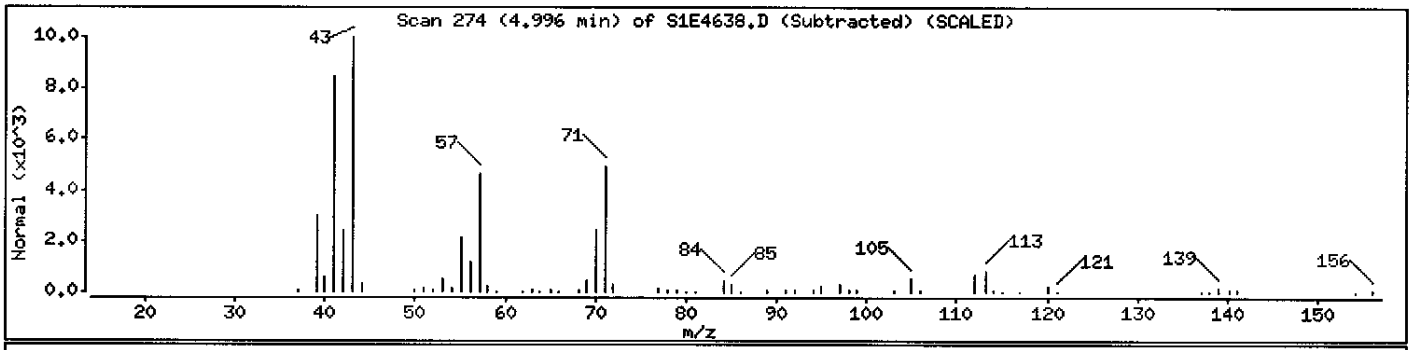
Client ID: MW-07 Instrument: S1.i

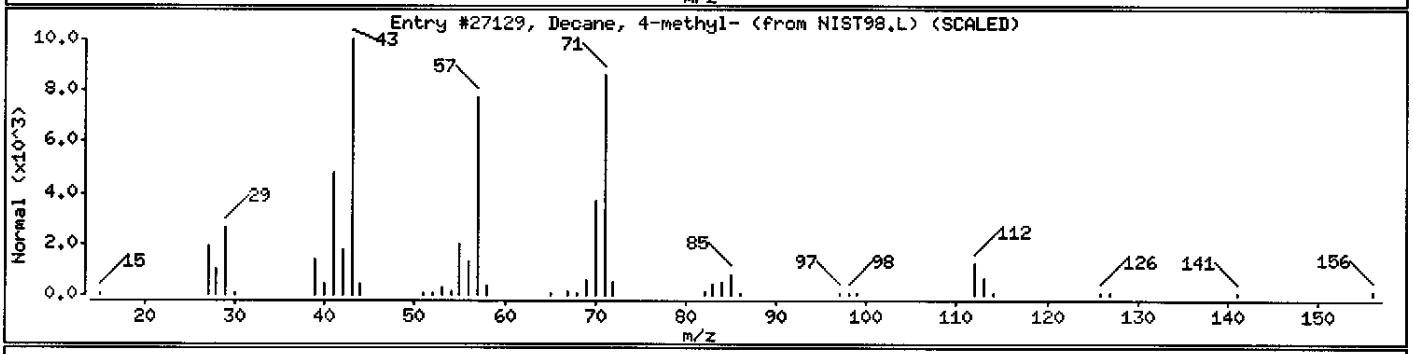
Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Decane, 4-methyl-	2847-72-5	NIST98.L	27129	64	C11H24	156





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Date : 06-JUN-2005 19:07

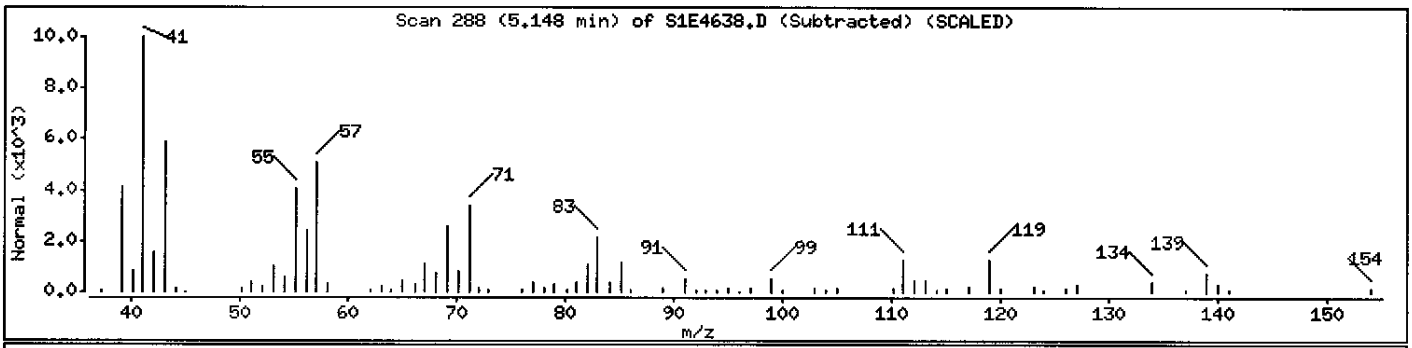
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4638.D

Date : 06-JUN-2005 19:07

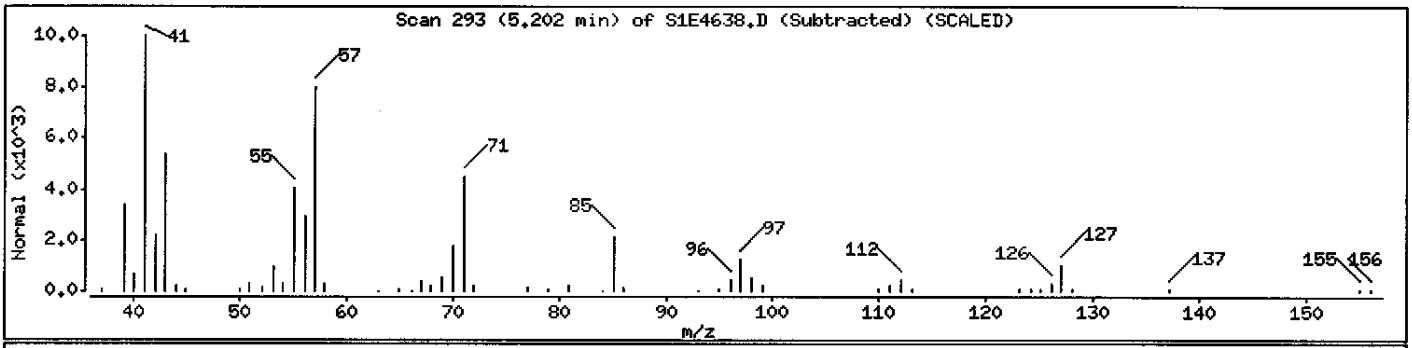
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



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Date : 06-JUN-2005 19:07

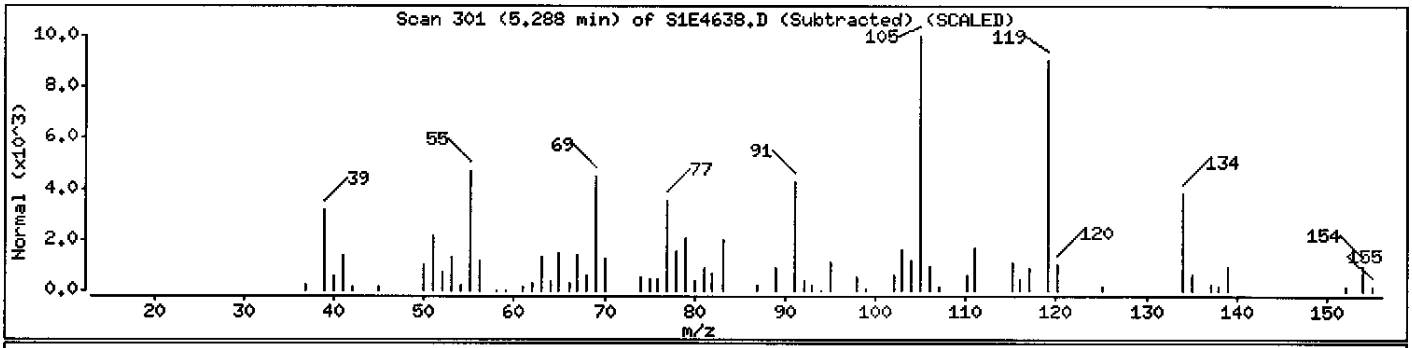
Client ID: MW-07 Instrument: S1.i

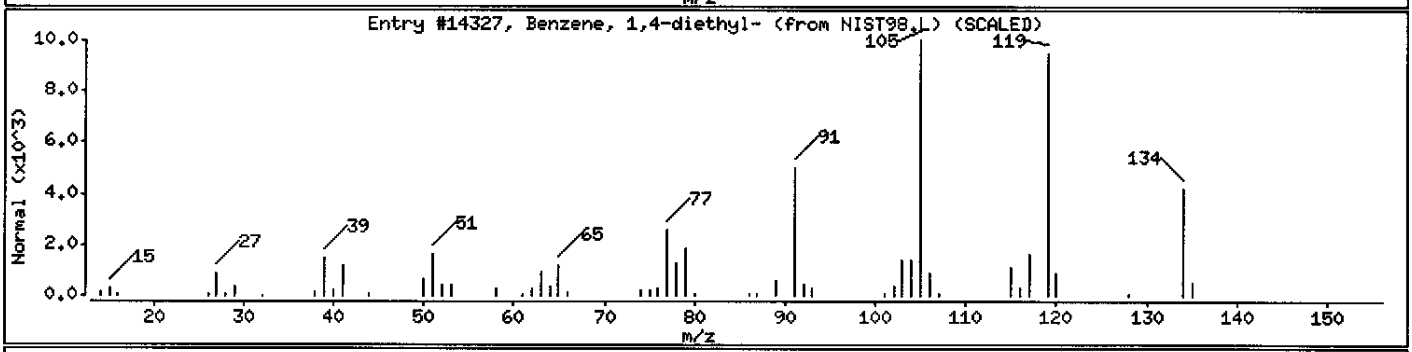
Sample Info: D0618-06B,,18321,,

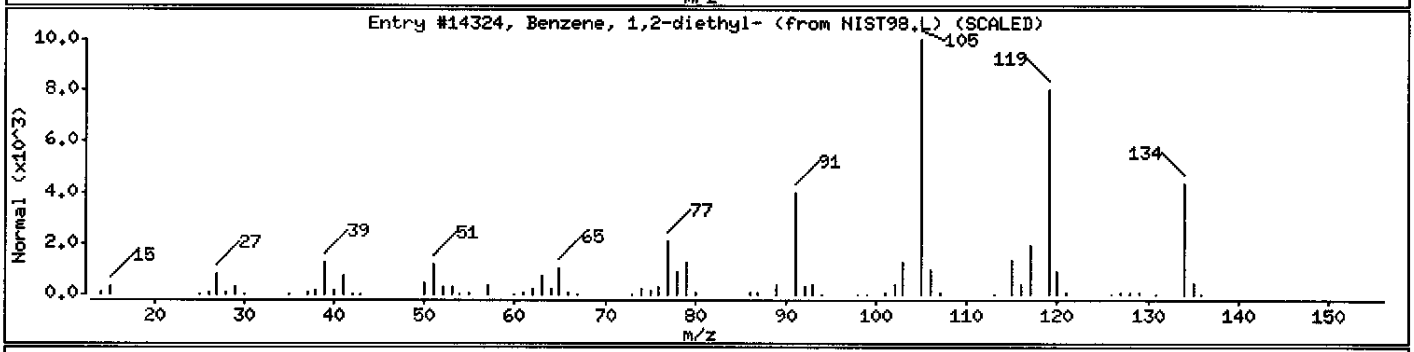
Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

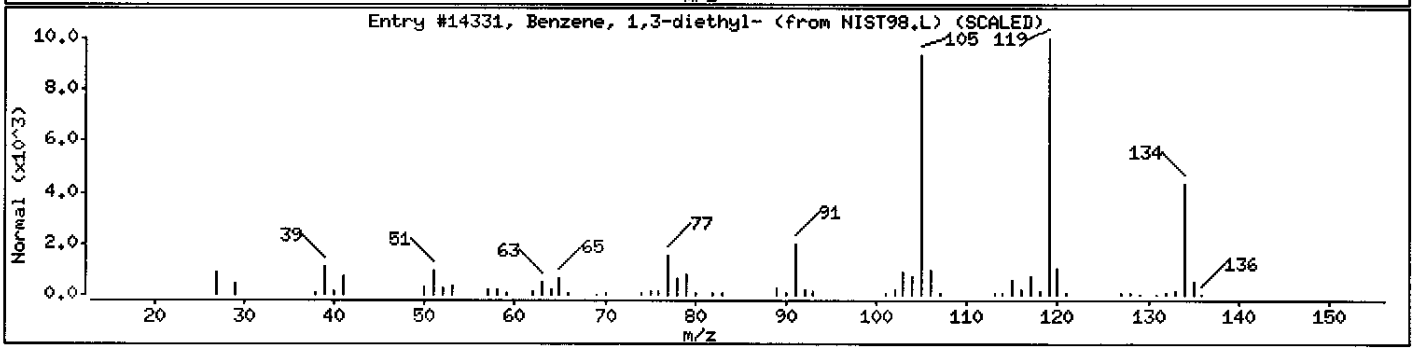
Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,4-diethyl-	105-05-5	NIST98.L	14327	93	C10H14	134
Benzene, 1,2-diethyl-	135-01-3	NIST98.L	14324	90	C10H14	134
Benzene, 1,3-diethyl-	141-93-5	NIST98.L	14331	87	C10H14	134









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Date : 06-JUN-2005 19:07

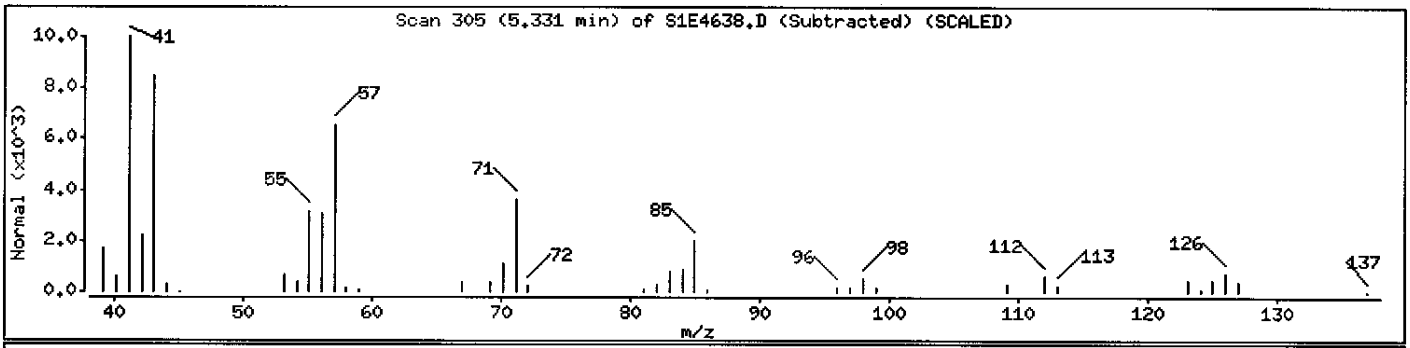
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 06-JUN-2005 19:07

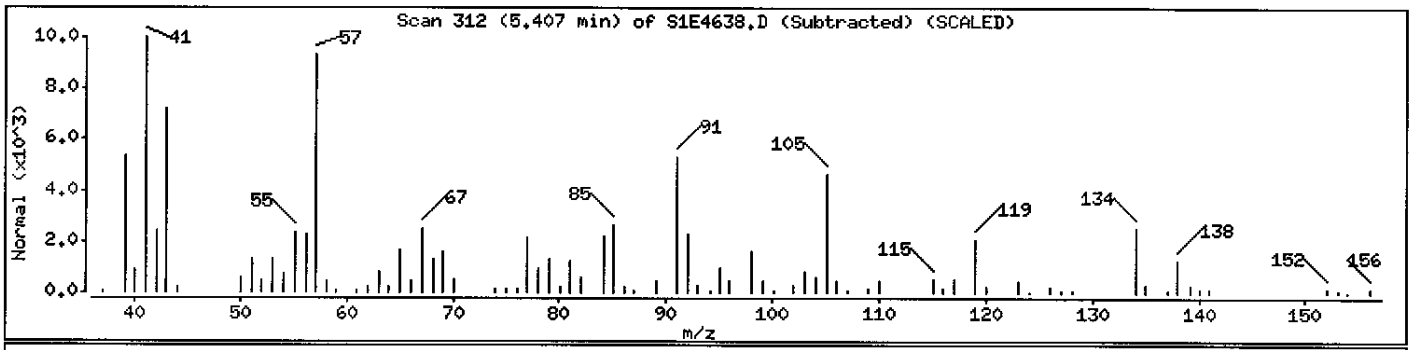
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 06-JUN-2005 19:07

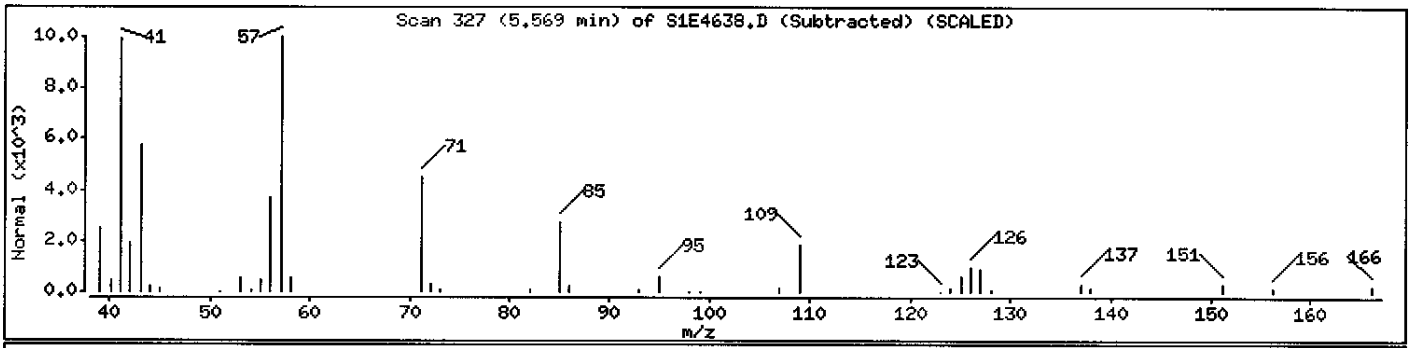
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 06-JUN-2005 19:07

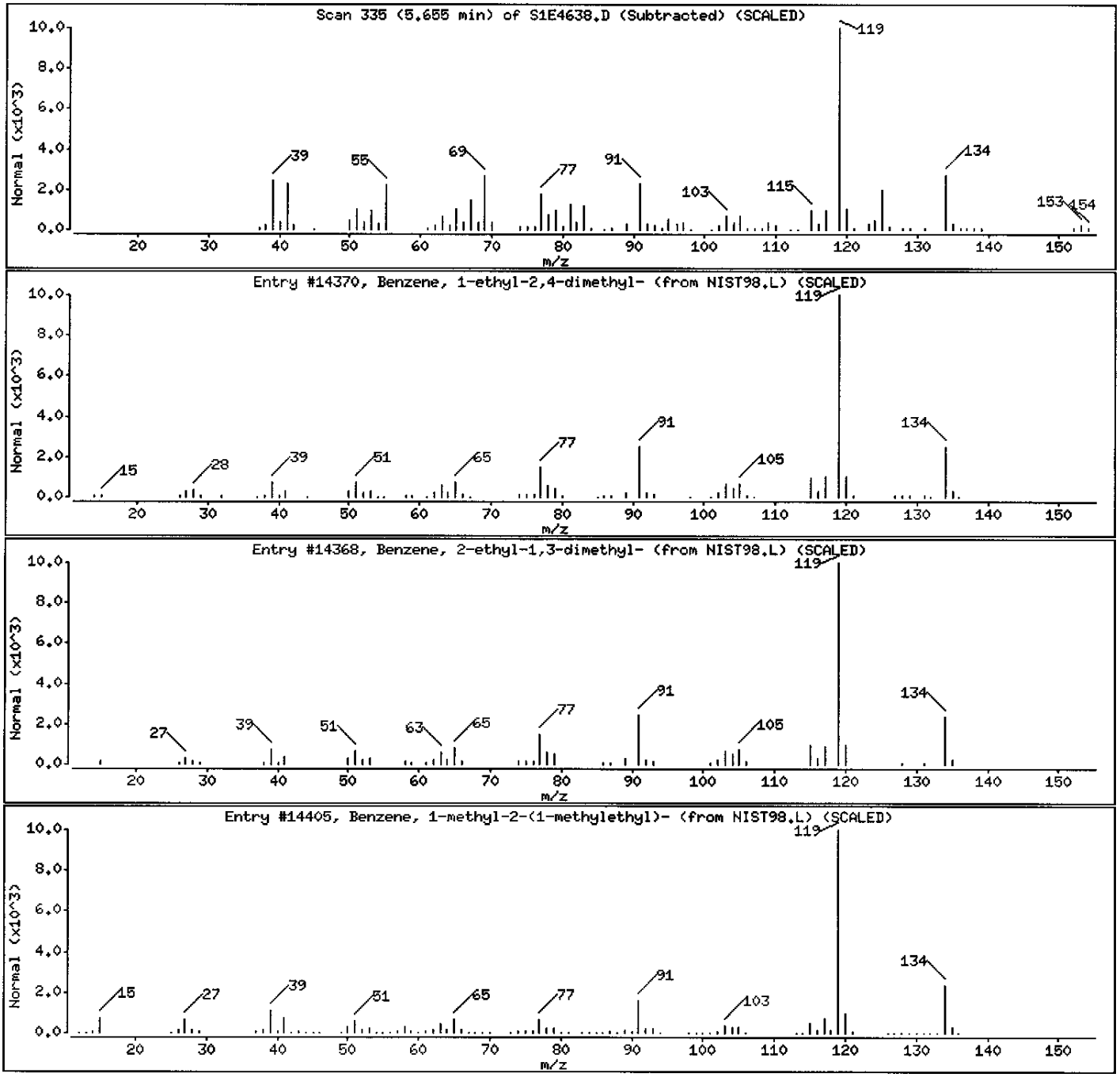
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NIST98.L	14370	96	C10H14	134
Benzene, 2-ethyl-1,3-dimethyl-	2870-04-4	NIST98.L	14368	94	C10H14	134
Benzene, 1-methyl-2-(1-methylethyl)-	527-84-4	NIST98.L	14405	93	C10H14	134



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Date : 06-JUN-2005 19:07

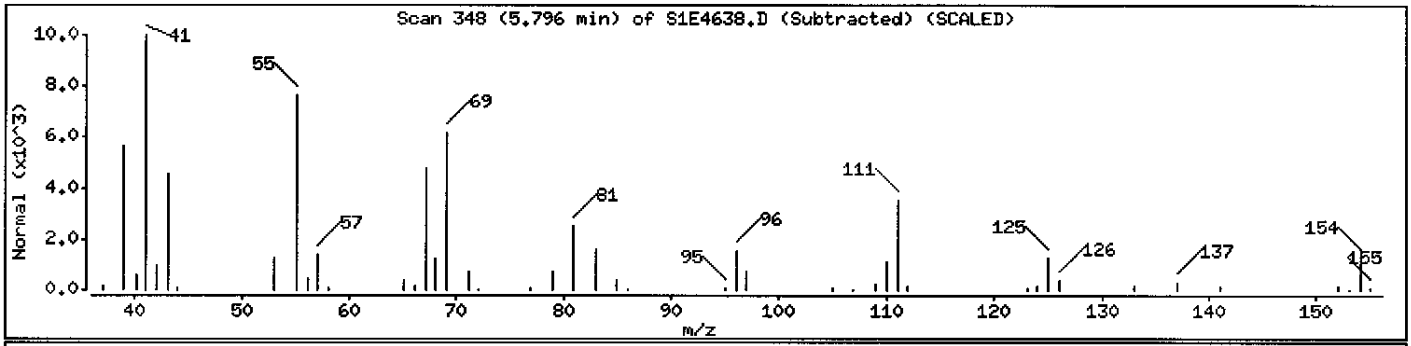
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



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Date : 06-JUN-2005 19:07

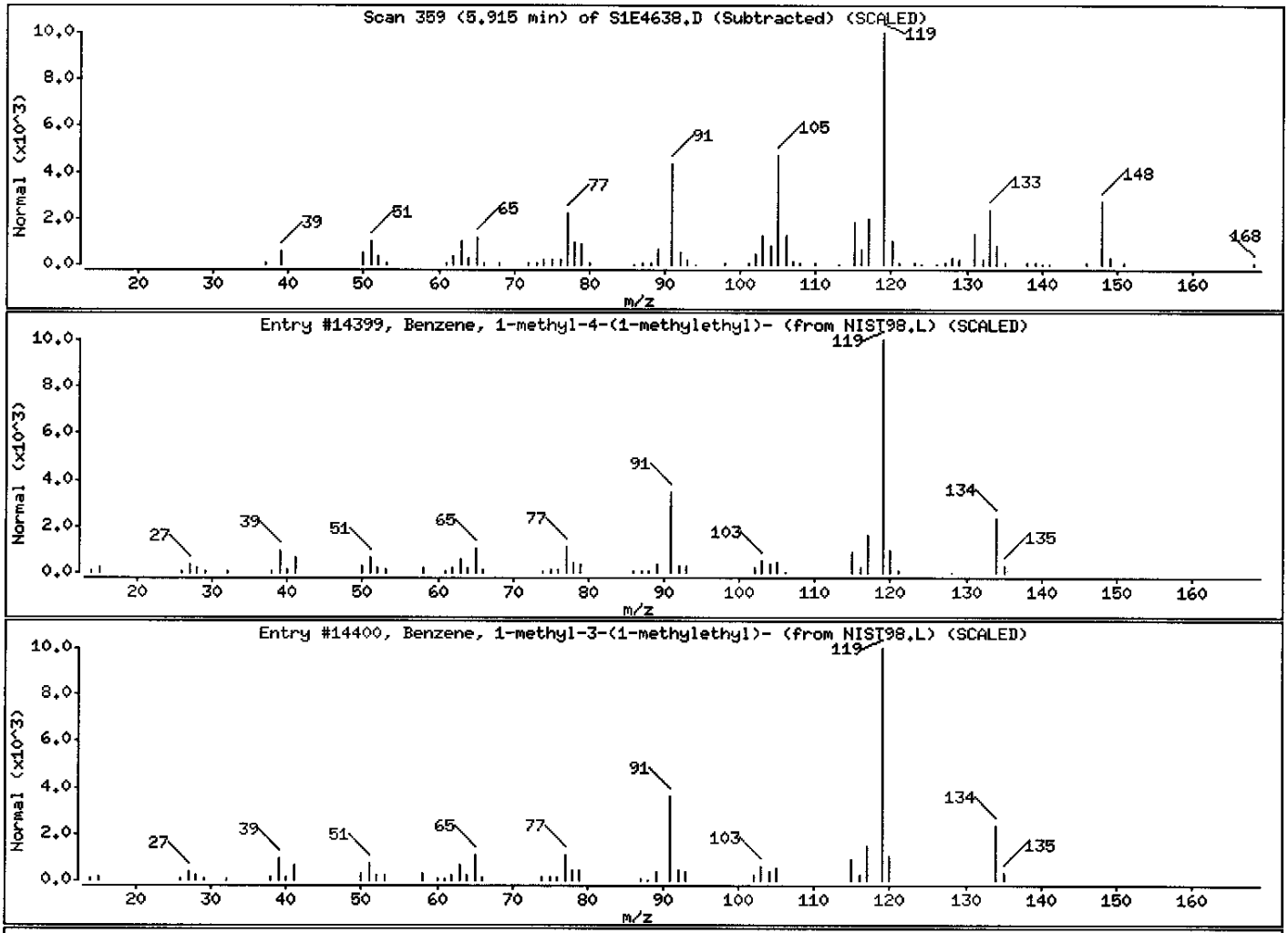
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	NIST98.L	14399	70	C10H14	134
Benzene, 1-methyl-3-(1-methylethyl)-	535-77-3	NIST98.L	14400	62	C10H14	134



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Date : 06-JUN-2005 19:07

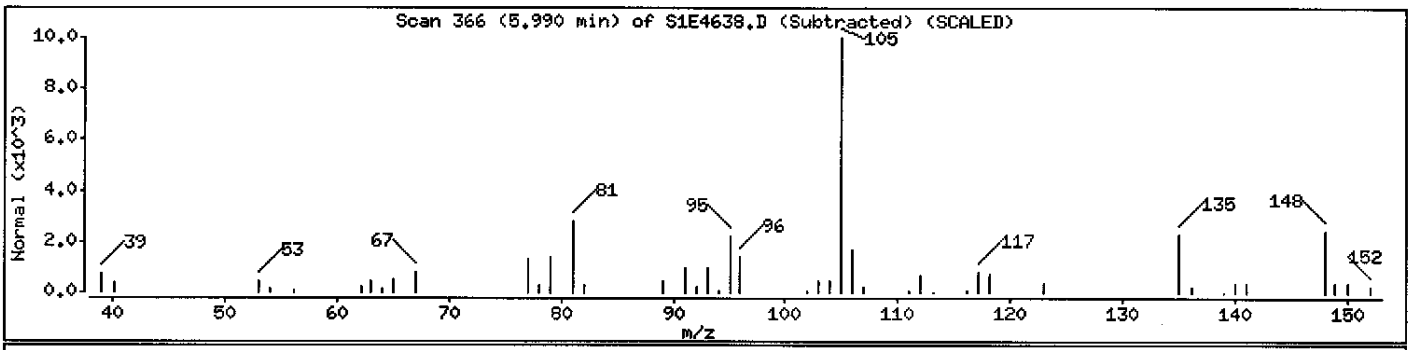
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Date : 06-JUN-2005 19:07

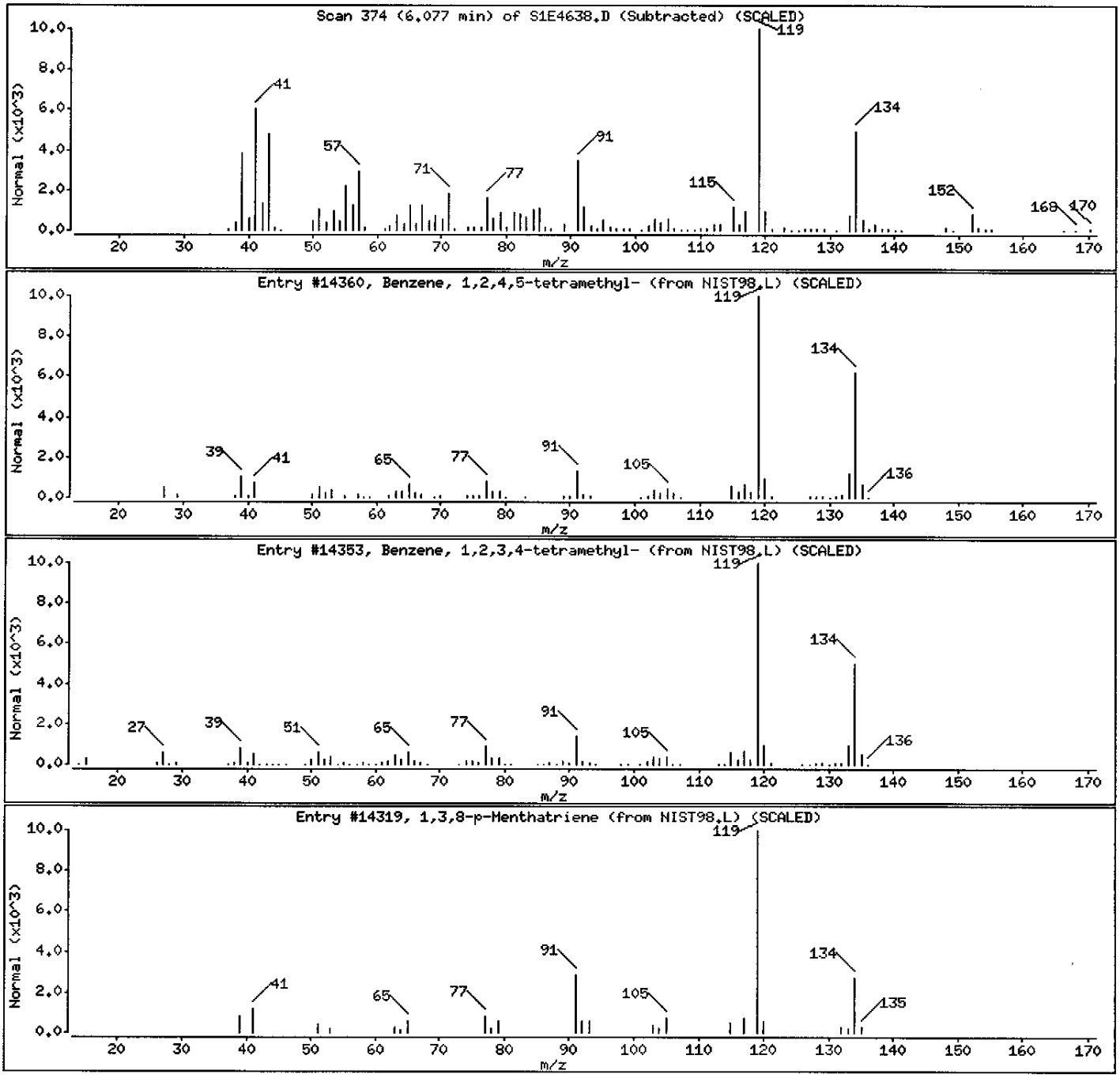
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,4,5-tetramethyl-	95-93-2	NIST98.L	14360	91	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NIST98.L	14353	91	C10H14	134
1,3,8-p-Menthatriene	21195-59-5	NIST98.L	14319	70	C10H14	134



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Date : 06-JUN-2005 19:07

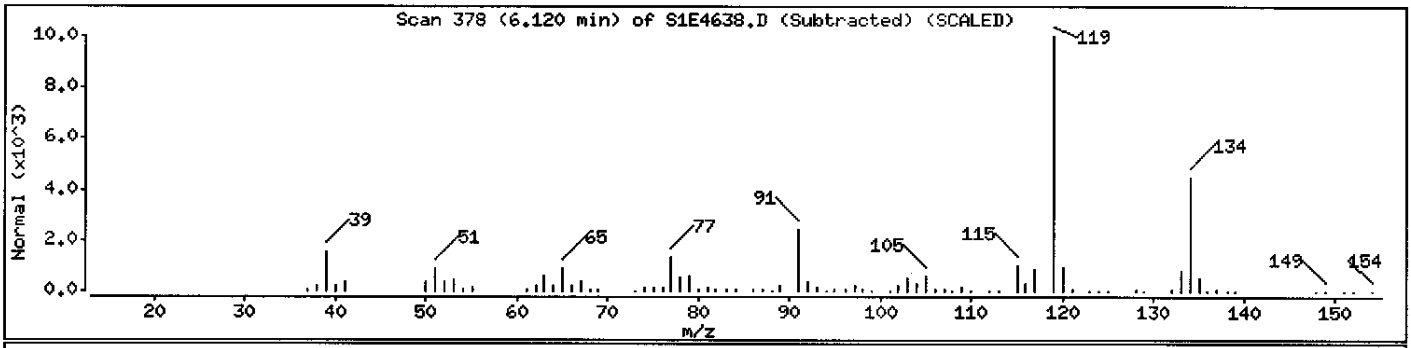
Client ID: MW-07 Instrument: S1.i

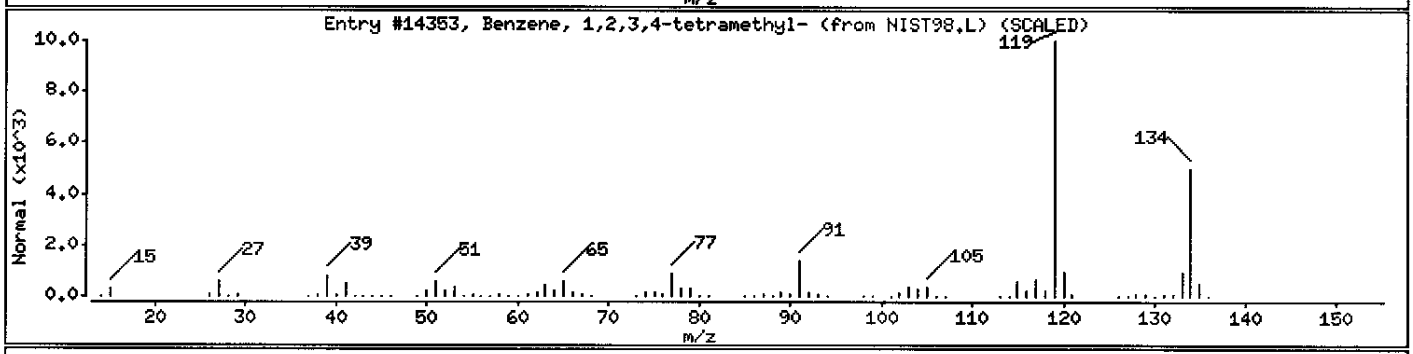
Sample Info: D0618-06B,,18321,,

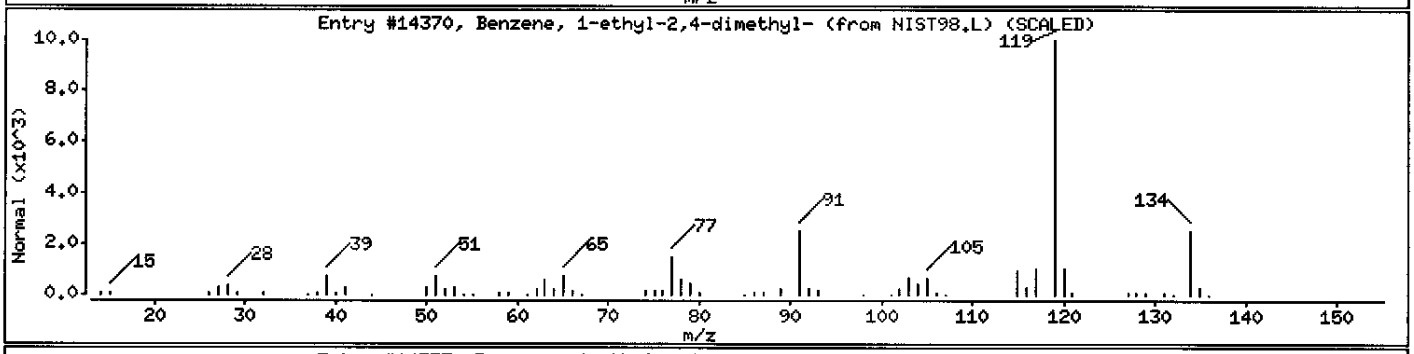
Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

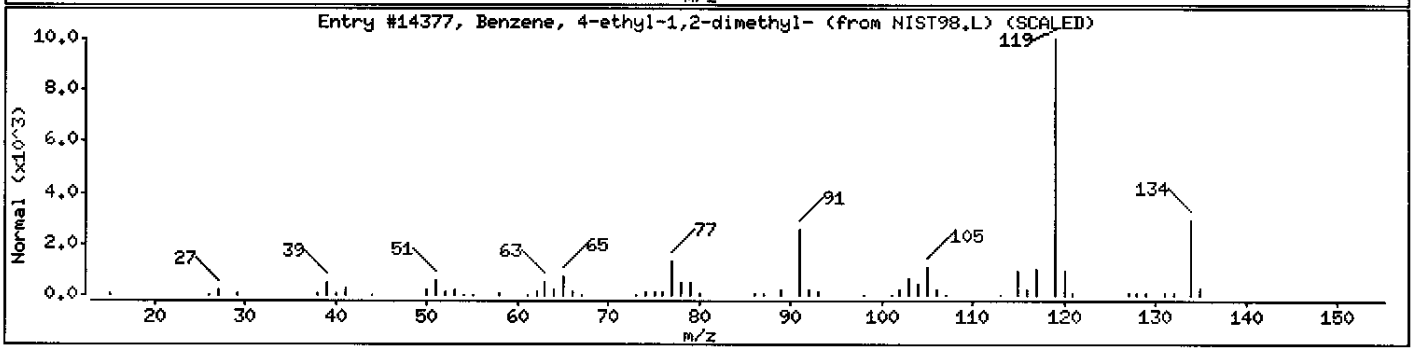
Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3,4-tetramethyl-	488-23-3	NIST98.L	14353	96	C10H14	134
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NIST98.L	14370	94	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NIST98.L	14377	94	C10H14	134









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Date : 06-JUN-2005 19:07

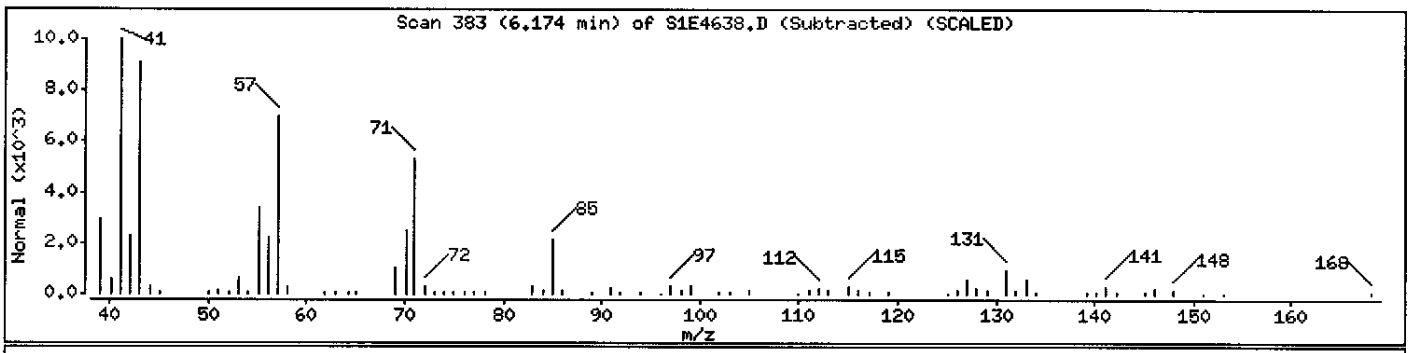
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4638.D

Date : 06-JUN-2005 19:07

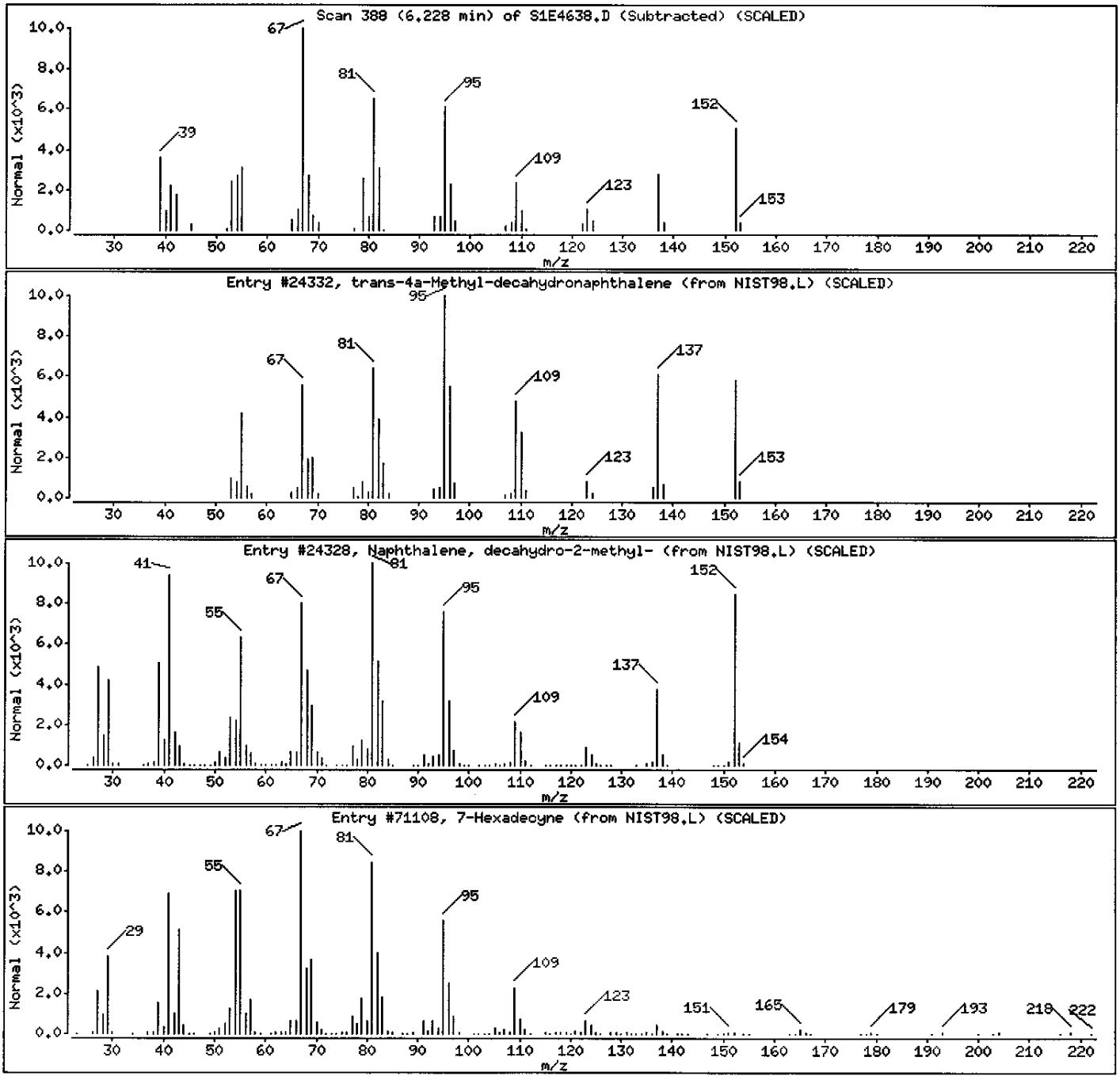
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
trans-4a-Methyl-decahydronaphthalene	2547-27-5	NIST98.L	24332	87	C11H20	152
Naphthalene, decahydro-2-methyl-	2958-76-1	NIST98.L	24328	70	C11H20	152
7-Hexadecyne	74685-28-2	NIST98.L	71108	64	C16H30	222



Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4638.D

Date : 06-JUN-2005 19:07

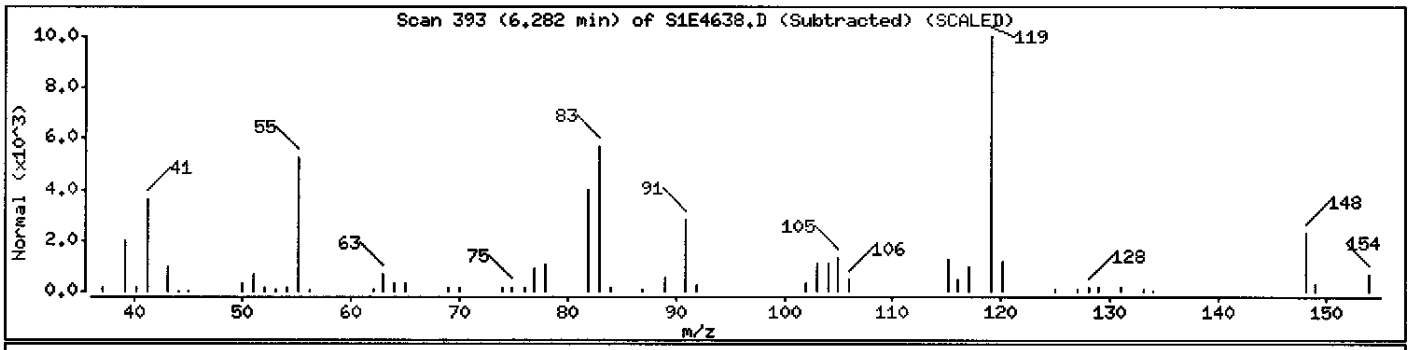
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4638.D

Date : 06-JUN-2005 19:07

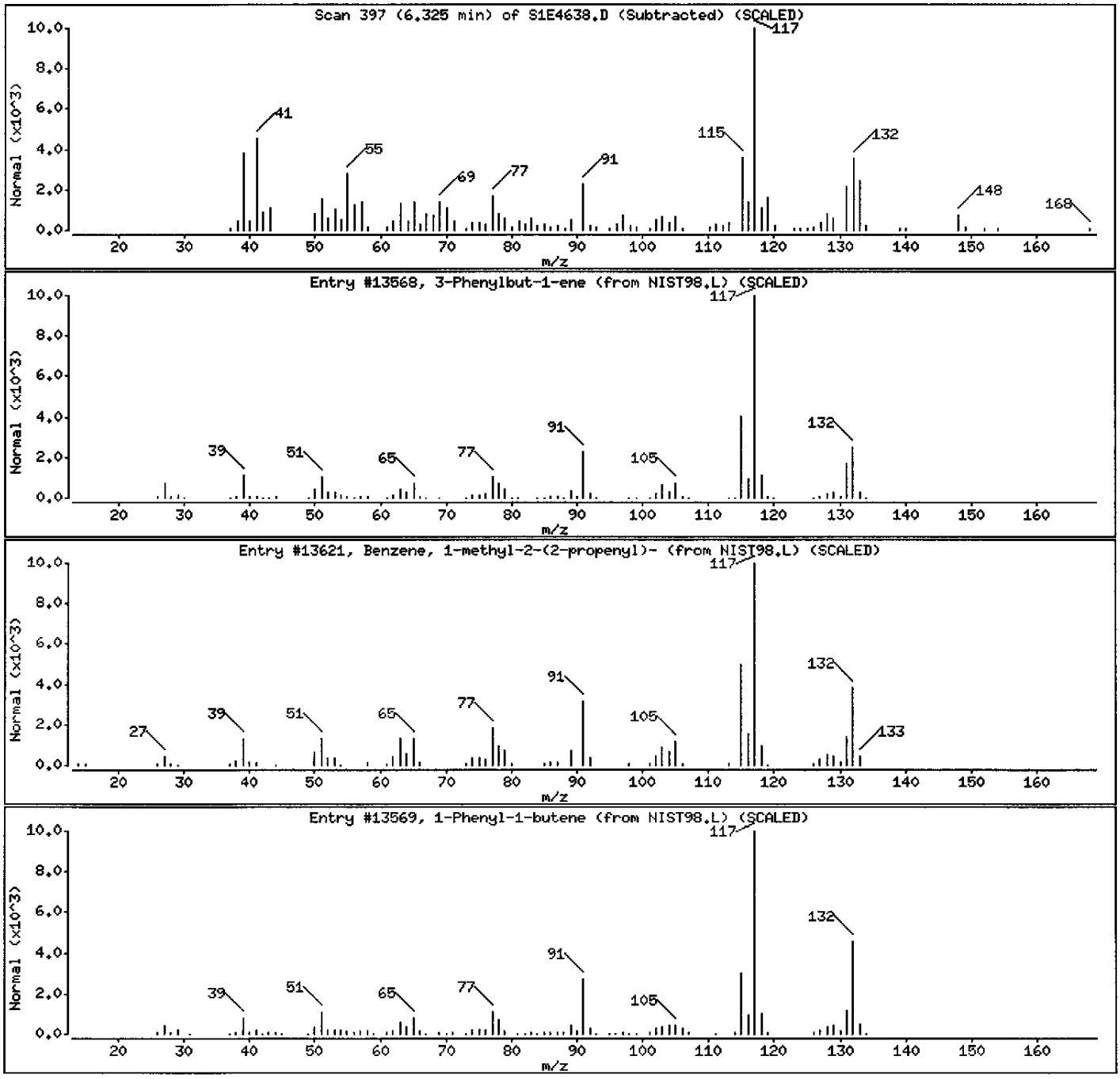
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Phenylbut-1-ene	934-10-1	NIST98.L	13568	92	C10H12	132
Benzene, 1-methyl-2-(2-propenyl)-	1587-04-8	NIST98.L	13621	91	C10H12	132
1-Phenyl-1-butene	824-90-8	NIST98.L	13569	78	C10H12	132



Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4638.D

Date : 06-JUN-2005 19:07

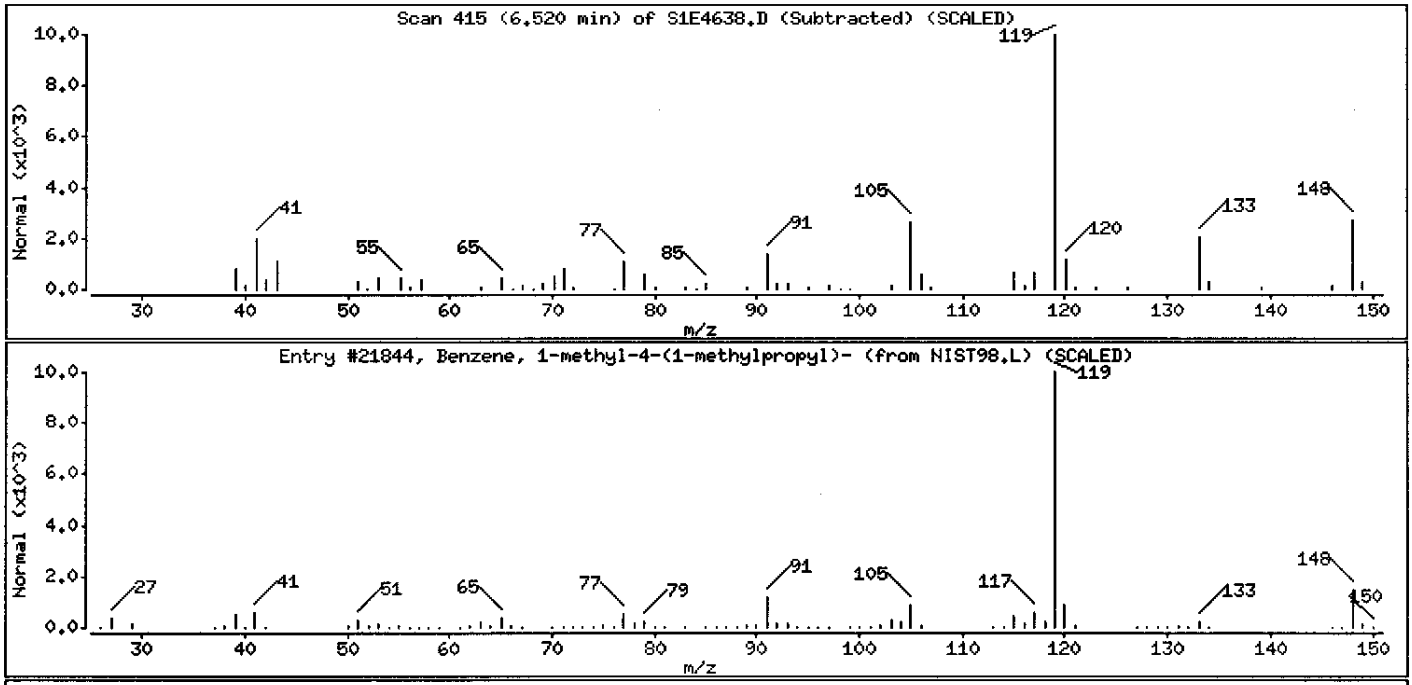
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, 1-methyl-4-(1-methylpropyl)-	1595-16-0	NIST98.L	21844	62	C11H16	148



Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4638.D

Date : 06-JUN-2005 19:07

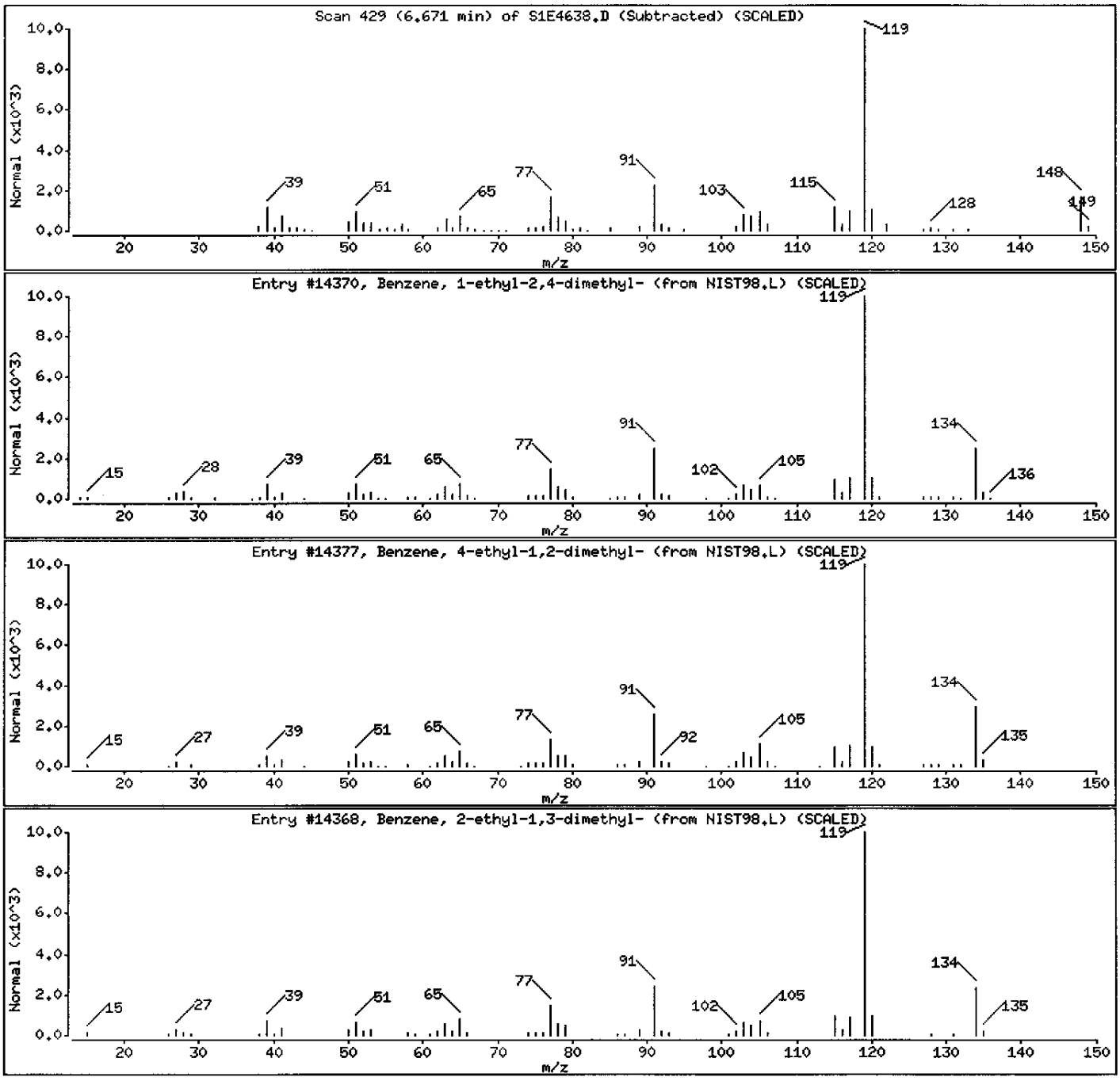
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, 1-ethyl-2,4-dimethyl-	874-41-9	NIST98.L	14370	80	C10H14	134
Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	NIST98.L	14377	80	C10H14	134
Benzene, 2-ethyl-1,3-dimethyl-	2870-04-4	NIST98.L	14368	80	C10H14	134



Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4638.D

Date : 06-JUN-2005 19:07

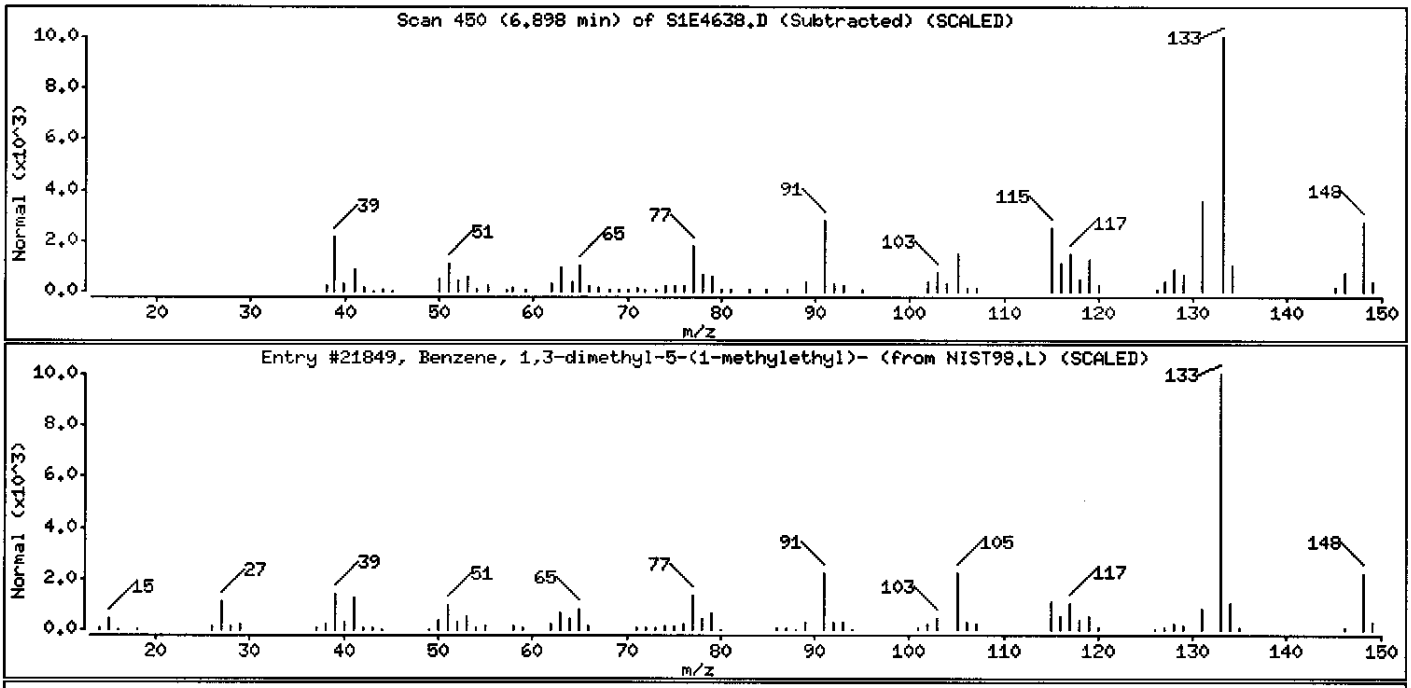
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, 1,3-dimethyl-5-(1-methylethyl)-	4706-90-5	NIST98.L	21849	62	C11H16	148



Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4638.D

Date : 06-JUN-2005 19:07

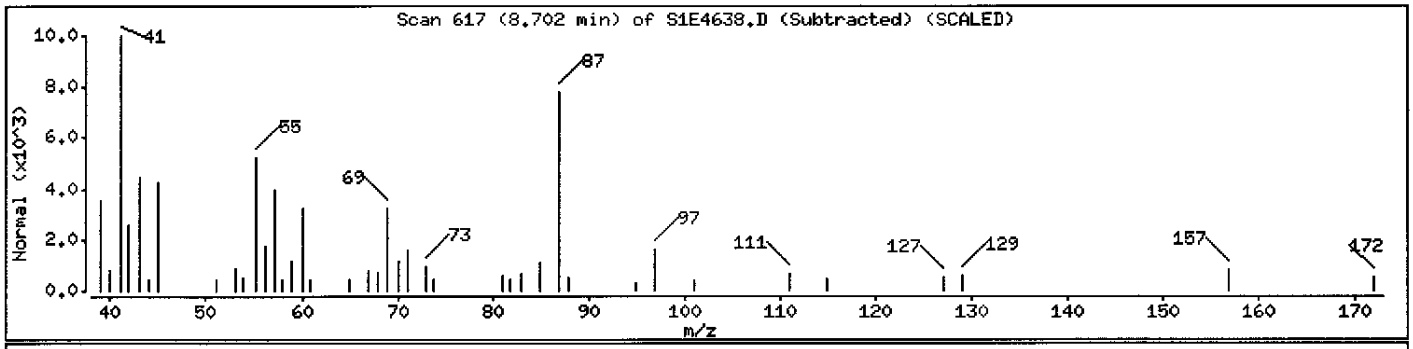
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4638.D

Date : 06-JUN-2005 19:07

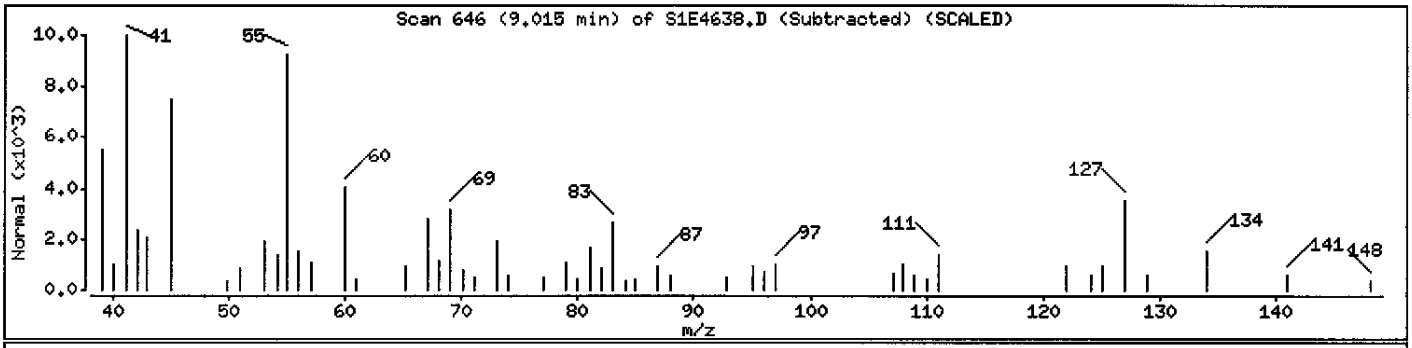
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4638.D

Date : 06-JUN-2005 19:07

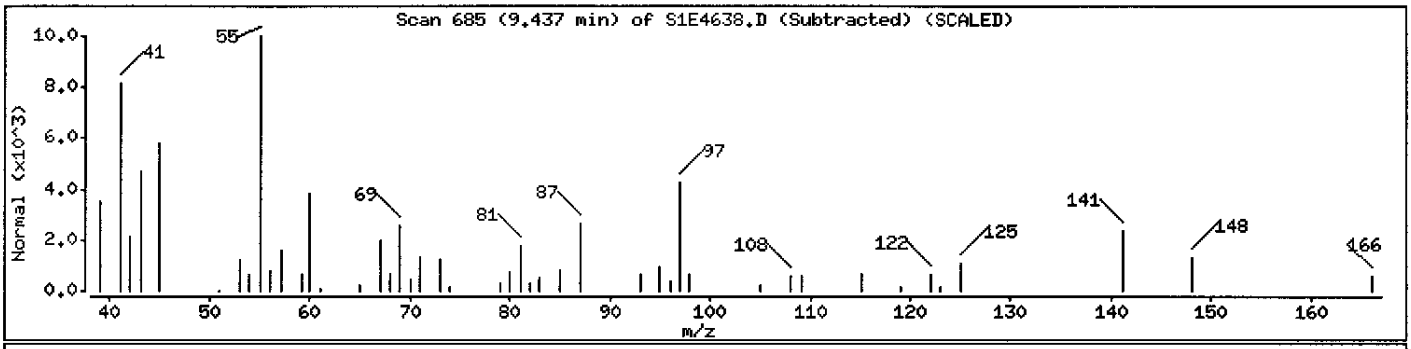
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4638.D

Date : 06-JUN-2005 19:07

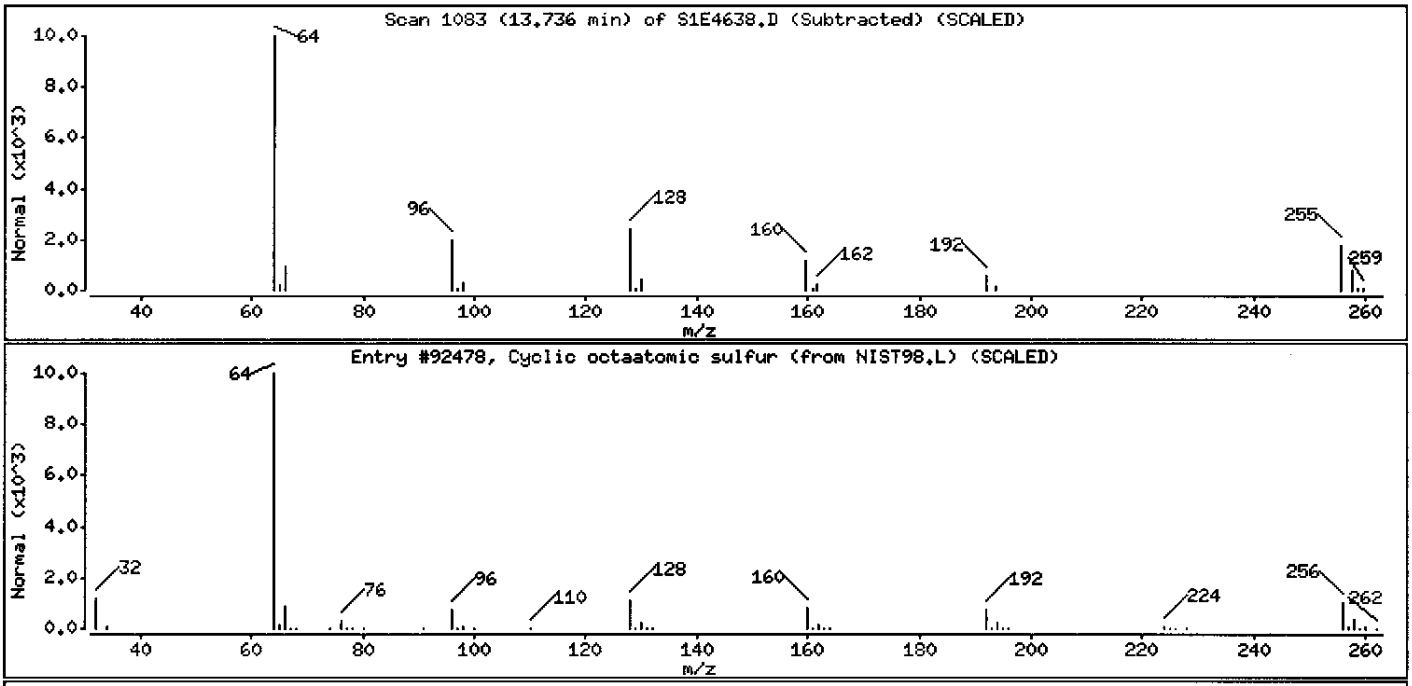
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclic octaatomic sulfur	10544-50-0	NIST98.L	92478	86	S8	256



Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4638.D

Date : 06-JUN-2005 19:07

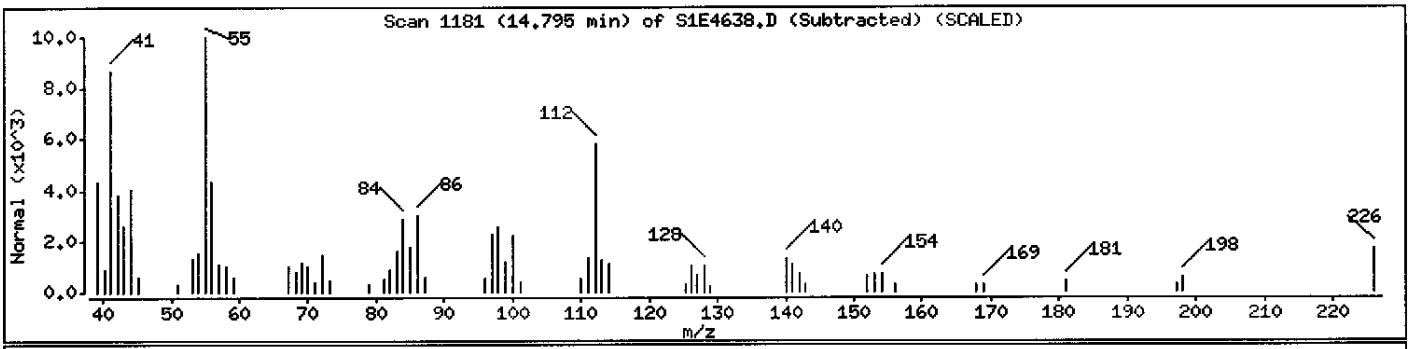
Client ID: MW-07 Instrument: S1.i

Sample Info: D0618-06B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RIN-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4639

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/06/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RIN-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4639

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

RIN-3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4639

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/31/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/06/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1138-52-9	PHENOL, 3,5-BIS(1,1-DIMETHYL	9.73	44	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
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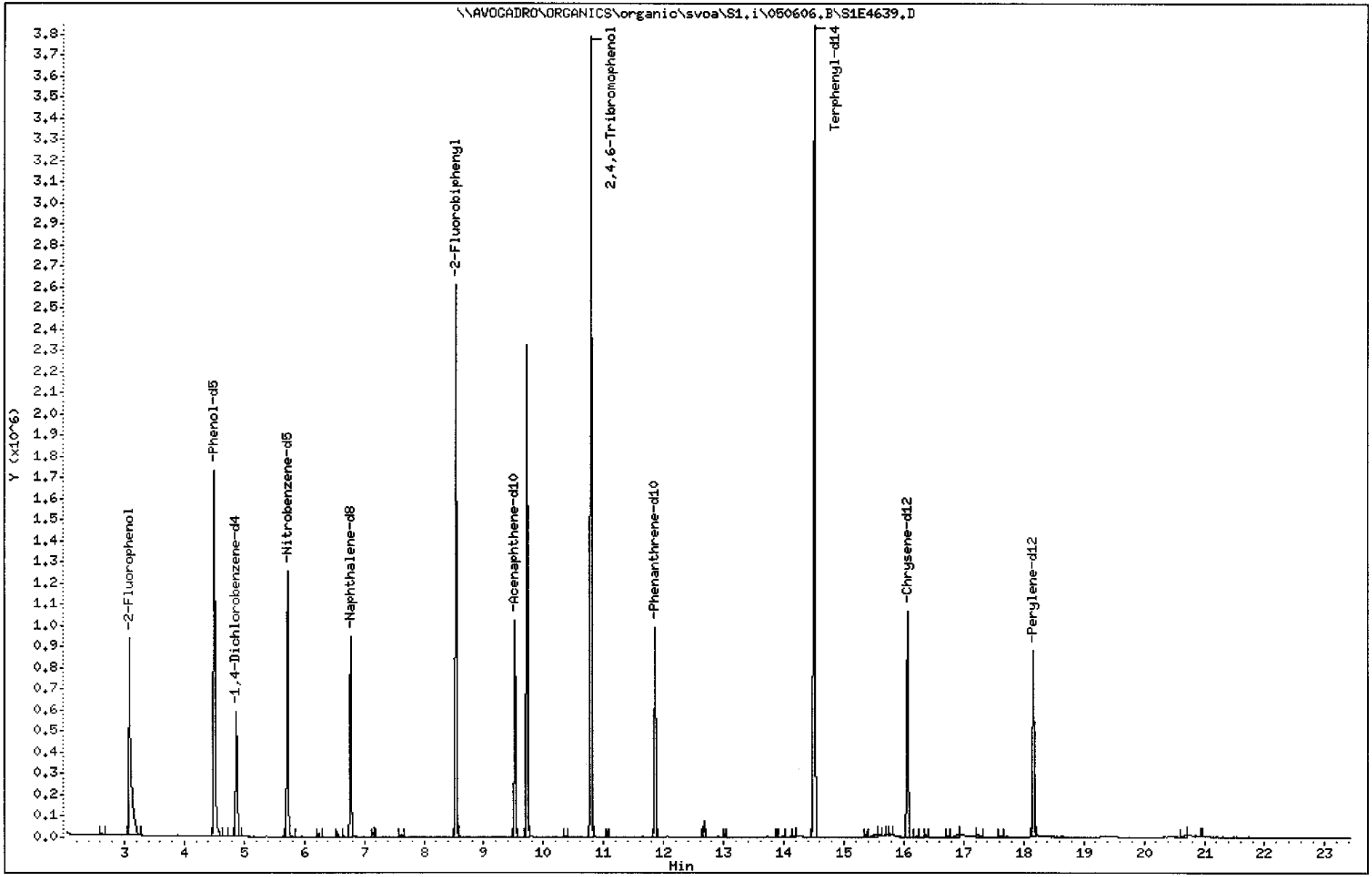
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4639.D
Date : 06-JUN-2005 19:38
Client ID: RIN-3
Instrument: S1.i
Sample Info: D0618-09B,,18321,,
Volume Injected (uL): 2.0
Operator: AW SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



0285

Data File: S1E4639.D
Report Date: 08-Jun-2005 15:48

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4639.D
Lab Smp Id: D0618-09B Client Smp ID: RIN-3
Inj Date : 06-JUN-2005 19:38
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0618-09B,,18321,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\s1_olm4_2_S.m
Meth Date : 06-Jun-2005 15:28 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 15:03 Cal File: S1E4631A.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	1 2-Fluorophenol	112	3.092	3.082	(0.634)	526469	130.671	65
$	3 Phenol-d5	99	4.508	4.497	(0.925)	639230	150.935	75
*	8 1,4-Dichlorobenzene-d4	152	4.875	4.875	(1.000)	124391	40.0000	
$	16 Nitrobenzene-d5	82	5.729	5.729	(0.845)	469851	92.6548	46
*	23 Naphthalene-d8	136	6.776	6.777	(1.000)	502041	40.0000	
$	33 2-Fluorobiphenyl	172	8.537	8.538	(0.897)	903317	92.9011	46
*	41 Acenaphthene-d10	164	9.521	9.521	(1.000)	279057	40.0000	
$	53 2,4,6-Tribromophenol	330	10.795	10.796	(0.910)	708017	199.237	100(AR)
*	58 Phenanthrene-d10	188	11.865	11.865	(1.000)	520682	40.0000	
$	65 Terphenyl-d14	244	14.512	14.501	(0.903)	1667613	147.526	74(R)
*	69 Chrysene-d12	240	16.067	16.079	(1.000)	500998	40.0000	
*	76 Perylene-d12	264	18.174	18.175	(1.000)	496406	40.0000	

06/08/05

Data File: S1E4639.D
Report Date: 08-Jun-2005 15:48

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: S1E4639.D
Report Date: 08-Jun-2005 15:48

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4639.D
Lab Smp Id: D0618-09B Client Smp ID: RIN-3
Inj Date : 06-JUN-2005 19:38
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0618-09B,,18321,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\s1_olm4_2_S.m
Meth Date : 06-Jun-2005 15:28 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 15:03 Cal File: S1E4631A.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)

ISTD	RT	AREA	AMOUNT
* 41 Acenaphthene-d10	9.521	1350026	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Phenol, 3,5-bis(1,1-dimethylethyl)-				CAS #: 1138-52-9			
9.726	2958271	87.6507860	44	93	NIST98.L	60208	41

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4639.D

Date : 06-JUN-2005 19:38

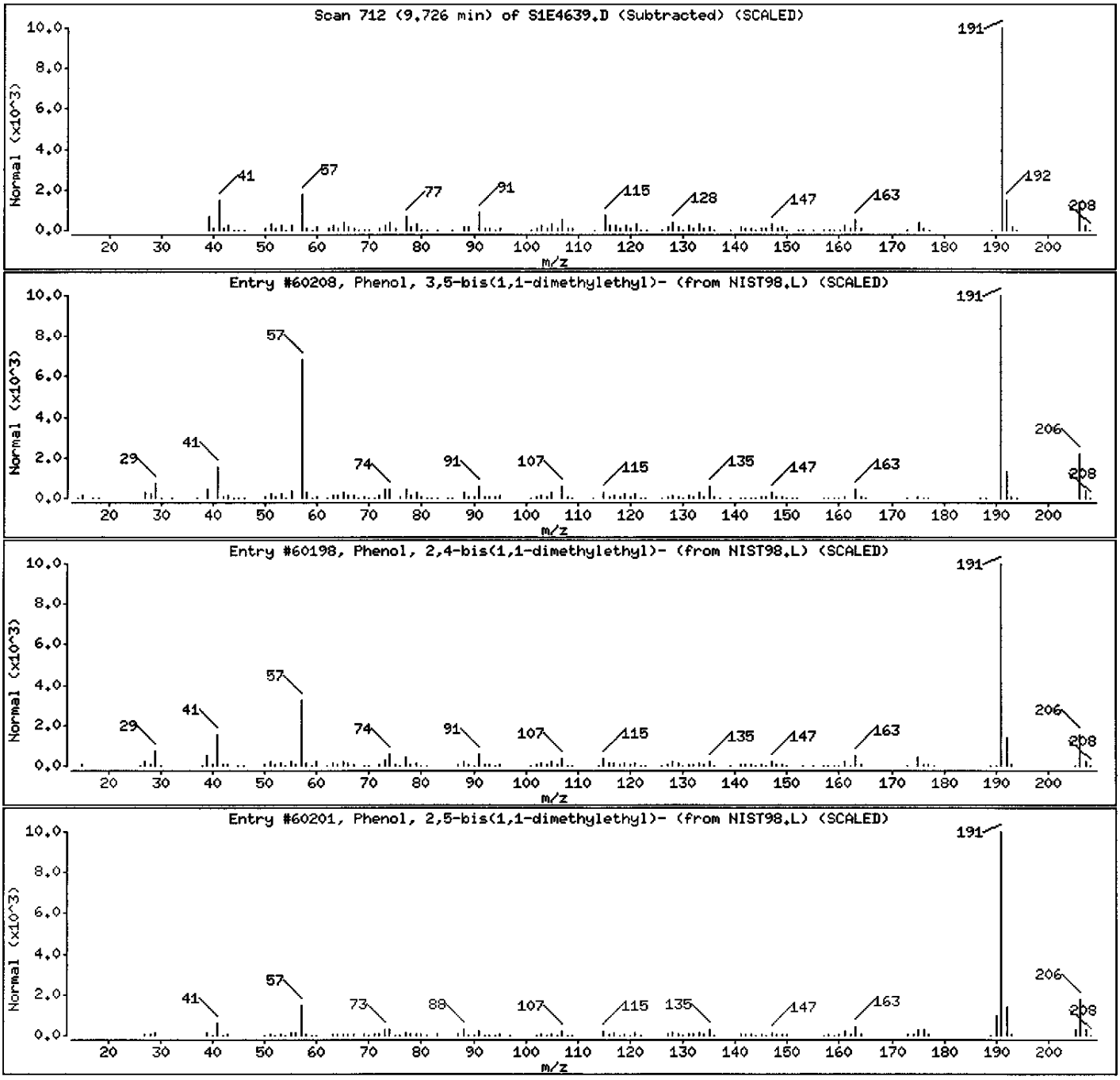
Client ID: RIN-3 Instrument: S1.i

Sample Info: D0618-09B,,18321,,

Volume Injected (uL): 2.0 Operator: AW SRC: LIMS

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Phenol, 3,5-bis(1,1-dimethylethyl)-	1138-52-9	NIST98.L	60208	93	C14H22O	206
Phenol, 2,4-bis(1,1-dimethylethyl)-	96-76-4	NIST98.L	60198	93	C14H22O	206
Phenol, 2,5-bis(1,1-dimethylethyl)-	5875-45-6	NIST98.L	60201	87	C14H22O	206



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: S1 Calibration Date(s): 05/31/05 05/31/05

Calibration Times: 1509 1747

LAB FILE ID: RRF20 = S1E4593 RRF50 = S1E4591A
RRF80 = S1E4594A RRF120= S1E4595A RRF160= S1E4592A

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Benzaldehyde		1.029	0.740	0.746	0.606	0.393	0.703	33.0
Phenol	*	1.166	1.303	1.372	1.388	1.754	1.397	15.6*
bis(2-Chloroethyl)Ether	*	0.891	1.080	1.303	1.308	1.549	1.226	20.4*
2-Chlorophenol	*	1.249	1.493	1.604	1.558	1.824	1.546	13.4*
2-Methylphenol	*	0.963	0.984	0.971	0.946	0.975	0.968	1.5*
2,2'-oxybis(1-Chloropropane)		1.406	1.521	1.569	1.505	1.734	1.547	7.8
Acetophenone		1.316	1.543	1.641	1.611	1.718	1.566	9.8
4-Methylphenol	*	0.877	1.042	1.043	0.920	1.131	1.003	10.3*
N-Nitroso-di-n-propylamine	*	0.740	0.933	1.045	1.012	1.131	0.972	15.2*
Hexachloroethane	*	0.802	0.952	1.005	0.963	1.068	0.958	10.3*
Nitrobenzene	*	0.391	0.457	0.445	0.397	0.429	0.424	6.8*
Isophorone	*	0.592	0.668	0.638	0.610	0.572	0.616	6.2*
2-Nitrophenol	*	0.217	0.262	0.251	0.247	0.242	0.244	6.8*
2,4-Dimethylphenol	*	0.296	0.322	0.230	0.226	0.216	0.258	18.4*
bis(2-Chloroethoxy)methane	*	0.307	0.369	0.380	0.331	0.330	0.343	8.9*
2,4-Dichlorophenol	*	0.307	0.363	0.399	0.369	0.420	0.372	11.6*
Naphthalene	*	0.919	1.122	1.206	1.158	1.193	1.120	10.4*
4-Chloroaniline		0.323	0.334	0.253	0.266	0.118	0.259	33.3
Hexachlorobutadiene		0.278	0.373	0.374	0.340	0.347	0.342	11.4
Caprolactam		0.087	0.073	0.077	0.062	0.075	0.075	11.7
4-Chloro-3-Methylphenol	*	0.263	0.323	0.300	0.260	0.296	0.288	9.2*
2-Methylnaphthalene	*	0.675	0.778	0.863	0.781	1.104	0.840	19.3*
Hexachlorocyclopentadiene		0.344	0.514	0.512	0.482	0.505	0.471	15.4
2,4,6-Trichlorophenol	*	0.409	0.498	0.551	0.428	0.486	0.474	12.0*
2,4,5-Trichlorophenol	*		0.556	0.613	0.522	0.578	0.567	6.8*
1,1'-Biphenyl		1.548	1.846	2.233	2.036	2.351	2.003	15.9
2-Chloronaphthalene	*	1.163	1.481	1.805	1.589	1.750	1.558	16.4*
2-Nitroaniline			0.471	0.530	0.412	0.388	0.450	14.2
Dimethylphthalate		1.278	1.491	1.766	1.397	1.480	1.482	12.1
2,6-Dinitrotoluene	*	0.322	0.370	0.477	0.325	0.338	0.366	17.6*
Acenaphthylene	*	1.790	1.891	2.557	1.926	2.193	2.071	14.9*
3-Nitroaniline			0.320	0.382	0.323	0.377	0.351	9.6
Acenaphthene	*	1.005	1.330	1.615	1.357	1.446	1.351	16.5*
2,4-Dinitrophenol			0.195	0.223	0.193	0.222	0.208	7.9
4-Nitrophenol			0.258	0.282	0.231	0.269	0.260	8.4
Dibenzofuran	*	1.413	1.789	2.136	1.829	1.877	1.809	14.3*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6D

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: S1 Calibration Date(s): 05/31/05 05/31/05

Calibration Times: 1509 1747

LAB FILE ID: RRF20 = S1E4593 RRF50 = S1E4591A
RRF80 = S1E4594A RRF120= S1E4595A RRF160= S1E4592A

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD	
2,4-Dinitrotoluene	*	0.371	0.474	0.501	0.417	0.428	0.438	11.6*	
Diethylphthalate		1.456	1.763	2.179	1.883	2.203	1.897	16.4	
Fluorene	*	1.177	1.419	1.879	1.596	1.918	1.598	19.6*	
4-Chlorophenyl-phenylether	*	0.621	0.760	0.865	0.723	0.759	0.746	11.8*	
4-Nitroaniline			0.273	0.264	0.157	0.210	0.226	23.7	
4,6-Dinitro-2-methylphenol			0.205	0.187	0.181	0.219	0.198	8.7	
N-Nitrosodiphenylamine (1)		0.567	0.653	0.575	0.553	0.683	0.606	9.5	
4-Bromophenyl-phenylether	*	0.260	0.340	0.363	0.379	0.409	0.350	16.1*	
Hexachlorobenzene	*	0.359	0.471	0.476	0.458	0.516	0.456	12.9*	
Atrazine		0.221	0.279	0.285	0.278	0.245	0.262	10.5	
Pentachlorophenol	*		0.194	0.214	0.224	0.256	0.222	11.7*	
Phenanthrene	*	1.024	1.333	1.403	1.405	1.534	1.340	14.2*	
Anthracene	*	0.983	1.277	1.180	1.354	1.396	1.238	13.3*	
Carbazole		0.779	0.984	0.839	0.791	1.065	0.892	14.2	
Di-n-butylphthalate		1.428	1.926	1.935	1.898	2.207	1.879	15.0	
Fluoranthene	*	0.969	1.348	1.352	1.430	1.523	1.324	15.9*	
Pyrene	*	1.162	1.434	1.387	1.172	1.339	1.299	9.6*	
Butylbenzylphthalate		0.677	0.806	0.789	0.650	0.737	0.732	9.3	
3,3'-Dichlorobenzidine		0.364	0.362	0.314	0.280	0.249	0.314	16.1	
Benzo(a)anthracene	*	1.252	1.381	1.292	1.165	1.220	1.262	6.4*	
Chrysene	*	1.071	1.297	1.253	1.143	1.216	1.196	7.5*	
bis(2-Ethylhexyl)phthalate		0.981	1.103	1.192	0.902	1.059	1.047	10.6	
Di-n-octylphthalate		1.665	2.246	2.578	2.572	2.928	2.398	19.8	
Benzo(b)fluoranthene	*	1.199	1.618	2.107	1.977	2.447	1.870	25.6*	<-
Benzo(k)fluoranthene	*	1.242	1.809	1.953	2.131	1.703	1.768	19.0*	
Benzo(a)pyrene	*	1.107	1.473	1.722	1.421	1.597	1.464	15.8*	
Indeno(1,2,3-cd)pyrene	*	1.287	1.670	2.146	1.778	2.194	1.815	20.5*	<-
Dibenzo(a,h)anthracene	*	1.030	1.446	1.759	1.704	1.978	1.583	22.9*	<-
Benzo(g,h,i)perylene	*	1.087	1.485	1.649	1.630	1.843	1.539	18.4*	
Nitrobenzene-d5	*	0.411	0.484	0.503	0.449	0.421	0.454	8.7*	
2-Fluorobiphenyl	*	1.443	1.679	2.047	1.689	1.846	1.741	12.8*	
Terphenyl-d14	*	0.851	1.016	1.016	0.909	1.088	0.976	9.7*	
Phenol-d5	*	1.078	1.254	1.315	1.339	1.521	1.301	12.3*	
2-Fluorophenol	*	0.856	1.038	1.083	1.049	1.138	1.033	10.3*	
2,4,6-Tribromophenol		0.217	0.326	0.317	0.324	0.338	0.304	16.1	
2-Chlorophenol-d4	*	1.335	1.691	1.783	1.662	2.058	1.706	15.2*	
1,2-Dichlorobenzene-d4	*	1.026	1.170	1.126	1.154	1.408	1.177	12.0*	

(1) Cannot be separated from Diphenylamine

* Compounds with required minimum RRF and maximum %RSD values. All other compounds must meet a minimum RRF of 0.010.

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050531A.B\S1E4593.D
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Sample Info: SSTD0201B,SSTD0201B

Instrument: S1.i

Operator: AW SRC: AW
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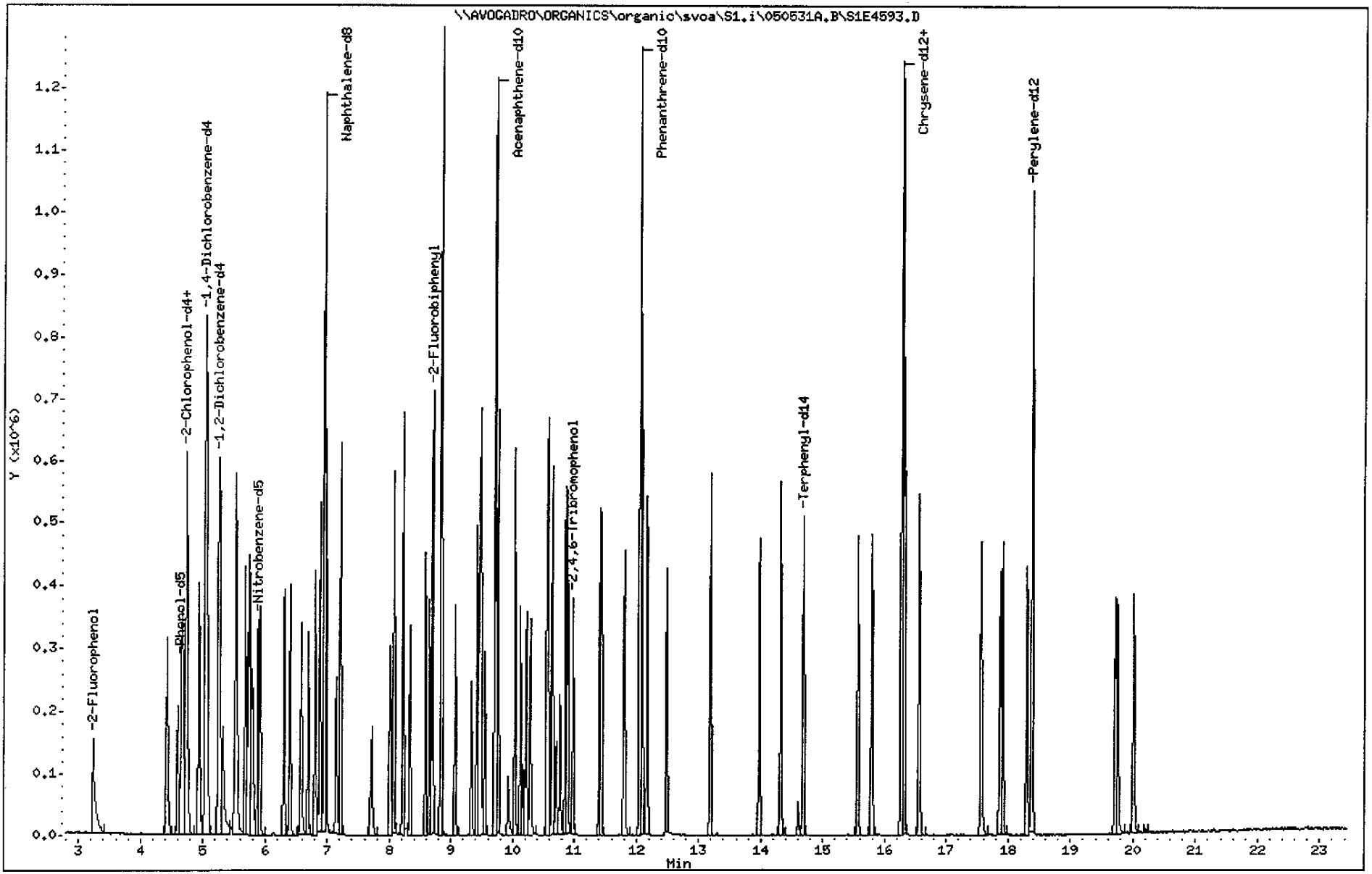
Column phase: DB-5MS



0292

Data File: S1E4593.D
Report Date: 01-Jun-2005 16:42

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050531A.B\S1E4593.D
Lab Smp Id: SSTD0201B Client Smp ID: SSTD0201B
Inj Date : 31-MAY-2005 17:17
Operator : AW SRC: AW Inst ID: S1.i
Smp Info : SSTD0201B,SSTD0201B
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Comment :
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Meth Date : 01-Jun-2005 08:24 mtl Quant Type: ISTD
Cal Date : 31-MAY-2005 15:09 Cal File: S1E4591A.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	1 2-Fluorophenol	112	3.230	3.241	(0.642)	88112	20.0000	17
	2 Benzaldehyde	77	4.418	4.429	(0.878)	105962	20.0000	28
$	3 Phenol-d5	99	4.645	4.667	(0.923)	111001	20.0000	17
	4 Phenol	94	4.667	4.678	(0.927)	120095	20.0000	17
	5 bis(2-Chloroethyl)Ether	93	4.731	4.742	(0.940)	91774	20.0000	15
$	6 2-Chlorophenol-d4	132	4.721	4.732	(0.938)	137478	20.0000	16
	7 2-Chlorophenol	128	4.742	4.753	(0.942)	128615	20.0000	16
*	8 1,4-Dichlorobenzene-d4	152	5.034	5.045	(1.000)	205951	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.250	5.250	(1.043)	105624	20.0000	17
	10 2-Methylphenol	108	5.542	5.553	(1.101)	99182	20.0000	20
	11 2,2'-oxybis(1-Chloropropane)	45	5.531	5.531	(1.099)	144748	20.0000	18
	12 Acetophenone	105	5.682	5.693	(1.129)	135558	20.0000	17
	13 4-Methylphenol	108	5.790	5.801	(1.150)	90337	20.0000	17
	14 N-Nitroso-di-n-propylamine	70	5.725	5.747	(1.137)	76197	20.0000	15
	15 Hexachloroethane	117	5.747	5.758	(1.142)	82568	20.0000	17
$	16 Nitrobenzene-d5	82	5.887	5.898	(0.848)	144638	20.0000	18
	17 Nitrobenzene	77	5.909	5.931	(0.851)	137615	20.0000	18
	18 Isophorone	82	6.309	6.320	(0.908)	208116	20.0000	19
	19 2-Nitrophenol	139	6.395	6.406	(0.921)	76405	20.0000	18
	20 2,4-Dimethylphenol	107	6.568	6.590	(0.946)	104035	20.0000	22
	21 bis(2-Chloroethoxy)methane	93	6.698	6.709	(0.964)	108065	20.0000	18
	22 2,4-Dichlorophenol	162	6.806	6.817	(0.980)	107839	20.0000	16
*	23 Naphthalene-d8	136	6.946	6.957	(1.000)	703369	40.0000	
	24 Naphthalene	128	6.979	6.989	(1.005)	323221	20.0000	17
	25 4-Chloroaniline	127	7.141	7.141	(1.028)	113606	20.0000	25
	26 Hexachlorobutadiene	225	7.205	7.216	(1.037)	97934	20.0000	16

Data File: S1E4593.D
Report Date: 01-Jun-2005 16:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	27 Caprolactam	113	7.713	7.767	(1.110)	30426	20.0000	22
	28 4-Chloro-3-Methylphenol	107	8.005	8.027	(1.152)	92521	20.0000	18
	29 2-Methylnaphthalene	142	8.080	8.081	(1.163)	237428	20.0000	16
	30 Hexachlorocyclopentadiene	237	8.329	8.340	(0.858)	67213	20.0000	15
	31 2,4,6-Trichlorophenol	196	8.577	8.588	(0.883)	80018	20.0000	17
	32 2,4,5-Trichlorophenol	196	8.653	8.664	(0.891)	84876	20.0000	15
$	33 2-Fluorobiphenyl	172	8.707	8.718	(0.897)	282120	20.0000	16
	34 1,1'-Biphenyl	154	8.848	8.848	(0.911)	302680	20.0000	16
	35 2-Chloronaphthalene	162	8.837	8.848	(0.910)	227432	20.0000	15
	36 2-Nitroaniline	65	9.064	9.075	(0.933)	76778	20.0000	17
	37 Dimethylphthalate	163	9.420	9.431	(0.970)	249943	20.0000	17
	38 2,6-Dinitrotoluene	165	9.496	9.507	(0.978)	62999	20.0000	17
	39 Acenaphthylene	152	9.474	9.485	(0.976)	349880	20.0000	17
	40 3-Nitroaniline	138	9.733	9.744	(1.002)	55394	20.0000	16
*	41 Acenaphthene-d10	164	9.712	9.712	(1.000)	391021	40.0000	
	42 Acenaphthene	153	9.755	9.766	(1.004)	196391	20.0000	15
	43 2,4-Dinitrophenol	184	9.928	9.939	(1.022)	21672	20.0000	10
	44 4-Nitrophenol	109	10.166	10.177	(1.047)	44974	20.0000	17
	45 Dibenzofuran	168	10.036	10.047	(1.033)	276212	20.0000	16
	46 2,4-Dinitrotoluene	165	10.122	10.133	(1.042)	72577	20.0000	17
	47 Diethylphthalate	149	10.554	10.565	(1.087)	284580	20.0000	15
	48 Fluorene	166	10.576	10.587	(1.089)	230036	20.0000	15
	49 4-Chlorophenyl-phenylether	204	10.641	10.652	(1.096)	121401	20.0000	17
	50 4-Nitroaniline	138	10.706	10.717	(1.102)	40321	20.0000	17
	51 4,6-Dinitro-2-methylphenol	198	10.771	10.782	(0.893)	43341	20.0000	14
	52 N-Nitrosodiphenylamine	169	10.857	10.868	(0.901)	176359	20.0000	18
$	53 2,4,6-Tribromophenol	330	10.976	10.987	(0.910)	67662	20.0000	15
	54 4-Bromophenyl-phenylether	248	11.408	11.419	(0.946)	80814	20.0000	15
	55 Hexachlorobenzene	284	11.440	11.451	(0.949)	111570	20.0000	16
	56 Atrazine	200	11.797	11.819	(0.978)	68869	20.0000	17
	57 Pentachlorophenol	266	11.808	11.819	(0.979)	32221	20.0000	9
*	58 Phenanthrene-d10	188	12.056	12.056	(1.000)	622422	40.0000	
	59 Phenanthrene	178	12.089	12.100	(1.003)	318723	20.0000	15
	60 Anthracene	178	12.164	12.186	(1.009)	305797	20.0000	16
	61 Carbazole	167	12.488	12.499	(1.036)	242448	20.0000	17
	62 Di-n-butylphthalate	149	13.191	13.202	(1.094)	444403	20.0000	15
	63 Fluoranthene	202	13.979	13.990	(1.160)	301606	20.0000	15
	64 Pyrene	202	14.314	14.325	(0.879)	329747	20.0000	17
$	65 Terphenyl-d14	244	14.681	14.692	(0.902)	241454	20.0000	17
	66 Butylbenzylphthalate	149	15.567	15.578	(0.956)	192136	20.0000	18
	67 3,3'-Dichlorobenzidine	252	16.313	16.313	(1.002)	103304	20.0000	23
	68 Benzo(a)anthracene	228	16.270	16.270	(0.999)	355300	20.0000	19
*	69 Chrysene-d12	240	16.280	16.291	(1.000)	567705	40.0000	
	70 Chrysene	228	16.313	16.335	(1.002)	304091	20.0000	18
	71 bis(2-Ethylhexyl)phthalate	149	16.561	16.572	(1.017)	278388	20.0000	18
	72 Di-n-octylphthalate	149	17.555	17.566	(0.955)	447108	20.0000	14
	73 Benzo(b)fluoranthene	252	17.868	17.879	(0.972)	321977	20.0000	13

Data File: S1E4593.D
Report Date: 01-Jun-2005 16:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
74 Benzo(k)fluoranthene	252	17.912	17.923	(0.974)	333474	20.0000	15
75 Benzo(a)pyrene	252	18.301	18.322	(0.995)	297282	20.0000	15
* 76 Perylene-d12	264	18.387	18.398	(1.000)	537150	40.0000	
77 Indeno(1,2,3-cd)pyrene	276	19.716	19.738	(1.072)	345690	20.0000	14
78 Dibenzo(a,h)anthracene	278	19.759	19.770	(1.075)	276656	20.0000	13
79 Benzo(g,h,i)perylene	276	20.008	20.029	(1.088)	291985	20.0000	14

06/01/05
AW

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050531A.B\S1E4591A.D
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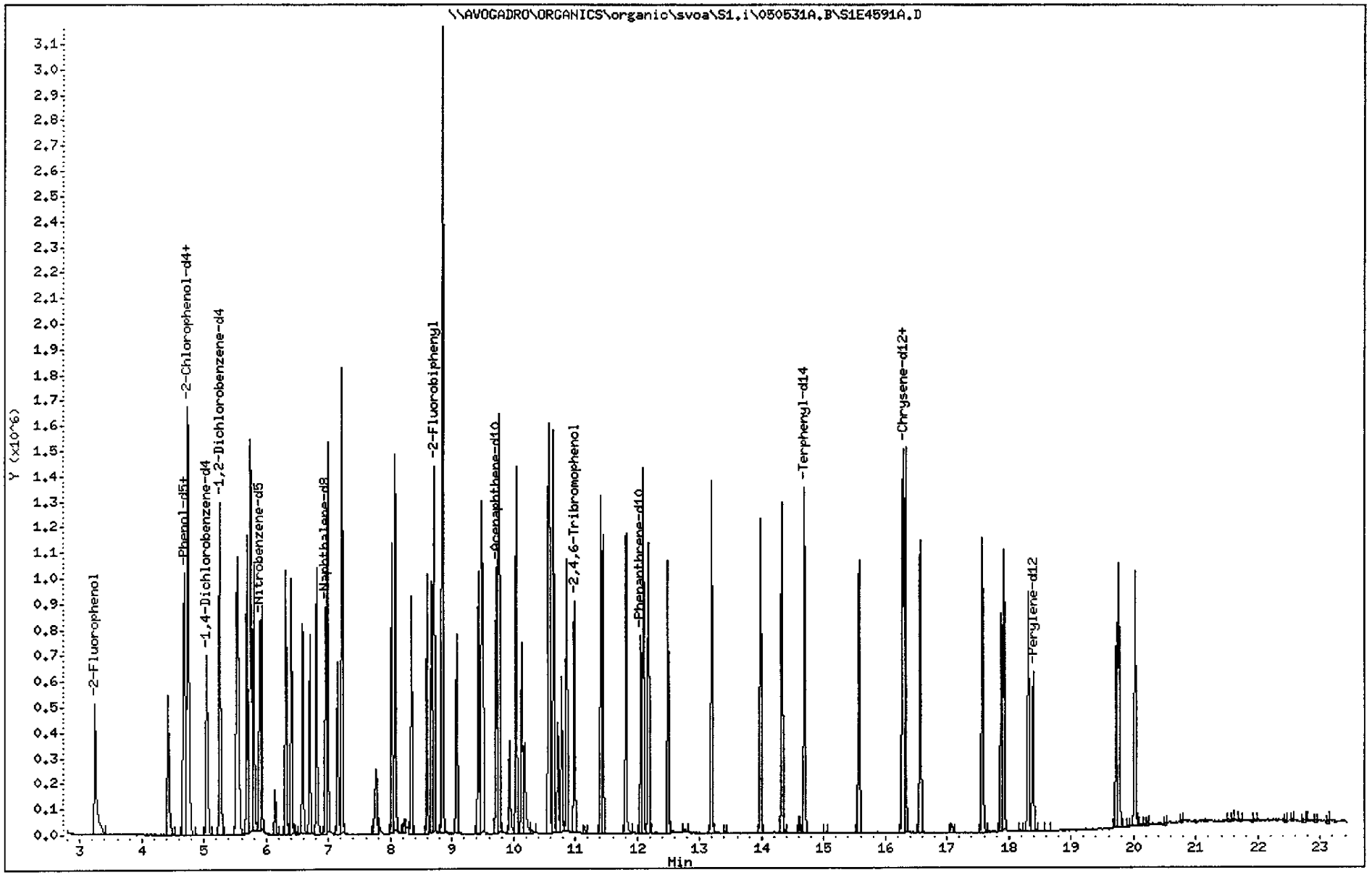
Instrument: S1.i
Sample Info: SSTD0501B,SSTD0501B
Operator: AW SRC: AW
Column phase: DB-5MS
Column diameter: 0.25



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Report Date: 01-Jun-2005 16:42

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

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Inj Date : 31-MAY-2005 15:09
Operator : AW SRC: AW Inst ID: S1.i
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Meth Date : 01-Jun-2005 08:24 mtl Quant Type: ISTD
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Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	1 2-Fluorophenol	112	3.241	3.241	(0.642)	229670	50.0000	50
	2 Benzaldehyde	77	4.429	4.429	(0.878)	163675	50.0000	50
$	3 Phenol-d5	99	4.667	4.667	(0.925)	277417	50.0000	50
	4 Phenol	94	4.678	4.678	(0.927)	288290	50.0000	50
	5 bis(2-Chloroethyl)Ether	93	4.742	4.742	(0.940)	239104	50.0000	50
$	6 2-Chlorophenol-d4	132	4.732	4.732	(0.938)	374146	50.0000	50
	7 2-Chlorophenol	128	4.753	4.753	(0.942)	330283	50.0000	50
*	8 1,4-Dichlorobenzene-d4	152	5.045	5.045	(1.000)	177034	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.250	5.250	(1.041)	258883	50.0000	50
	10 2-Methylphenol	108	5.553	5.553	(1.101)	217749	50.0000	50
	11 2,2'-oxybis(1-Chloropropane)	45	5.531	5.531	(1.096)	336576	50.0000	50
	12 Acetophenone	105	5.693	5.693	(1.128)	341381	50.0000	50
	13 4-Methylphenol	108	5.801	5.801	(1.150)	230676	50.0000	50
	14 N-Nitroso-di-n-propylamine	70	5.747	5.747	(1.139)	206485	50.0000	50
	15 Hexachloroethane	117	5.758	5.758	(1.141)	210635	50.0000	50
$	16 Nitrobenzene-d5	82	5.898	5.898	(0.848)	349597	50.0000	50
	17 Nitrobenzene	77	5.931	5.931	(0.852)	330121	50.0000	50
	18 Isophorone	82	6.320	6.320	(0.908)	482273	50.0000	50
	19 2-Nitrophenol	139	6.406	6.406	(0.921)	189261	50.0000	50
	20 2,4-Dimethylphenol	107	6.590	6.590	(0.947)	232375	50.0000	50
	21 bis(2-Chloroethoxy)methane	93	6.709	6.709	(0.964)	266806	50.0000	50
	22 2,4-Dichlorophenol	162	6.817	6.817	(0.980)	262105	50.0000	50
*	23 Naphthalene-d8	136	6.957	6.957	(1.000)	577755	40.0000	
	24 Naphthalene	128	6.989	6.989	(1.005)	810149	50.0000	50
	25 4-Chloroaniline	127	7.141	7.141	(1.026)	241464	50.0000	50
	26 Hexachlorobutadiene	225	7.216	7.216	(1.037)	269032	50.0000	50

Data File: S1E4591A.D
Report Date: 01-Jun-2005 16:42

			QUANT SIG					AMOUNTS	
								CAL-AMT	ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
	27	Caprolactam	113	7.767	7.767	(1.116)	52859	50.0000	50
	28	4-Chloro-3-Methylphenol	107	8.027	8.027	(1.154)	233095	50.0000	50
	29	2-Methylnaphthalene	142	8.081	8.081	(1.161)	561958	50.0000	50
	30	Hexachlorocyclopentadiene	237	8.340	8.340	(0.859)	198013	50.0000	50
	31	2,4,6-Trichlorophenol	196	8.588	8.588	(0.884)	192172	50.0000	50
	32	2,4,5-Trichlorophenol	196	8.664	8.664	(0.892)	214176	50.0000	50
$	33	2-Fluorobiphenyl	172	8.718	8.718	(0.898)	647329	50.0000	50
	34	1,1'-Biphenyl	154	8.848	8.848	(0.911)	711593	50.0000	50
	35	2-Chloronaphthalene	162	8.848	8.848	(0.911)	571096	50.0000	50
	36	2-Nitroaniline	65	9.075	9.075	(0.934)	181604	50.0000	50
	37	Dimethylphthalate	163	9.431	9.431	(0.971)	574812	50.0000	50
	38	2,6-Dinitrotoluene	165	9.507	9.507	(0.979)	142483	50.0000	50
	39	Acenaphthylene	152	9.485	9.485	(0.977)	728935	50.0000	50
	40	3-Nitroaniline	138	9.744	9.744	(1.003)	123406	50.0000	50
*	41	Acenaphthene-d10	164	9.712	9.712	(1.000)	308403	40.0000	
	42	Acenaphthene	153	9.766	9.766	(1.006)	512704	50.0000	50
	43	2,4-Dinitrophenol	184	9.939	9.939	(1.023)	75237	50.0000	50
	44	4-Nitrophenol	109	10.177	10.177	(1.048)	99624	50.0000	50
	45	Dibenzofuran	168	10.047	10.047	(1.034)	689495	50.0000	50
	46	2,4-Dinitrotoluene	165	10.133	10.133	(1.043)	182728	50.0000	50
	47	Diethylphthalate	149	10.565	10.565	(1.088)	679803	50.0000	50
	48	Fluorene	166	10.587	10.587	(1.090)	547052	50.0000	50
	49	4-Chlorophenyl-phenylether	204	10.652	10.652	(1.097)	292988	50.0000	50
	50	4-Nitroaniline	138	10.717	10.717	(1.103)	105074	50.0000	50
	51	4,6-Dinitro-2-methylphenol	198	10.782	10.782	(0.888)	114874	50.0000	50
	52	N-Nitrosodiphenylamine	169	10.868	10.868	(0.895)	365311	50.0000	50(H)
$	53	2,4,6-Tribromophenol	330	10.987	10.987	(0.905)	182324	50.0000	50
	54	4-Bromophenyl-phenylether	248	11.419	11.419	(0.940)	190098	50.0000	50
	55	Hexachlorobenzene	284	11.451	11.451	(0.943)	263974	50.0000	50
	56	Atrazine	200	11.819	11.819	(0.973)	156179	50.0000	50
	57	Pentachlorophenol	266	11.819	11.819	(0.973)	108396	50.0000	50
*	58	Phenanthrene-d10	188	12.056	12.056	(1.000)	447890	40.0000	(H)
	59	Phenanthrene	178	12.100	12.100	(0.996)	746059	50.0000	50(H)
	60	Anthracene	178	12.186	12.186	(1.004)	714841	50.0000	50
	61	Carbazole	167	12.499	12.499	(1.029)	550997	50.0000	50
	62	Di-n-butylphthalate	149	13.202	13.202	(1.087)	1078303	50.0000	50
	63	Fluoranthene	202	13.990	13.990	(1.152)	754779	50.0000	50(H)
	64	Pyrene	202	14.325	14.325	(0.879)	805512	50.0000	50
$	65	Terphenyl-d14	244	14.692	14.692	(0.902)	570822	50.0000	50
	66	Butylbenzylphthalate	149	15.578	15.578	(0.956)	452884	50.0000	50
	67	3,3'-Dichlorobenzidine	252	16.313	16.313	(1.001)	203328	50.0000	50
	68	Benzo(a)anthracene	228	16.270	16.270	(0.999)	775945	50.0000	50
*	69	Chrysene-d12	240	16.291	16.291	(1.000)	449468	40.0000	
	70	Chrysene	228	16.335	16.335	(1.003)	728782	50.0000	50
	71	bis(2-Ethylhexyl)phthalate	149	16.572	16.572	(1.017)	619588	50.0000	50
	72	Di-n-octylphthalate	149	17.566	17.566	(0.955)	993583	50.0000	50
	73	Benzo(b)fluoranthene	252	17.879	17.879	(0.972)	716027	50.0000	50

Data File: S1E4591A.D
Report Date: 01-Jun-2005 16:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
74 Benzo(k)fluoranthene	252	17.923	17.923	(0.974)	800203	50.0000	50
75 Benzo(a)pyrene	252	18.322	18.322	(0.996)	651769	50.0000	50
* 76 Perylene-d12	264	18.398	18.398	(1.000)	353944	40.0000	
77 Indeno(1,2,3-cd)pyrene	276	19.738	19.738	(1.073)	739035	50.0000	50
78 Dibenzo(a,h)anthracene	278	19.770	19.770	(1.075)	639678	50.0000	50
79 Benzo(g,h,i)perylene	276	20.029	20.029	(1.089)	657008	50.0000	50

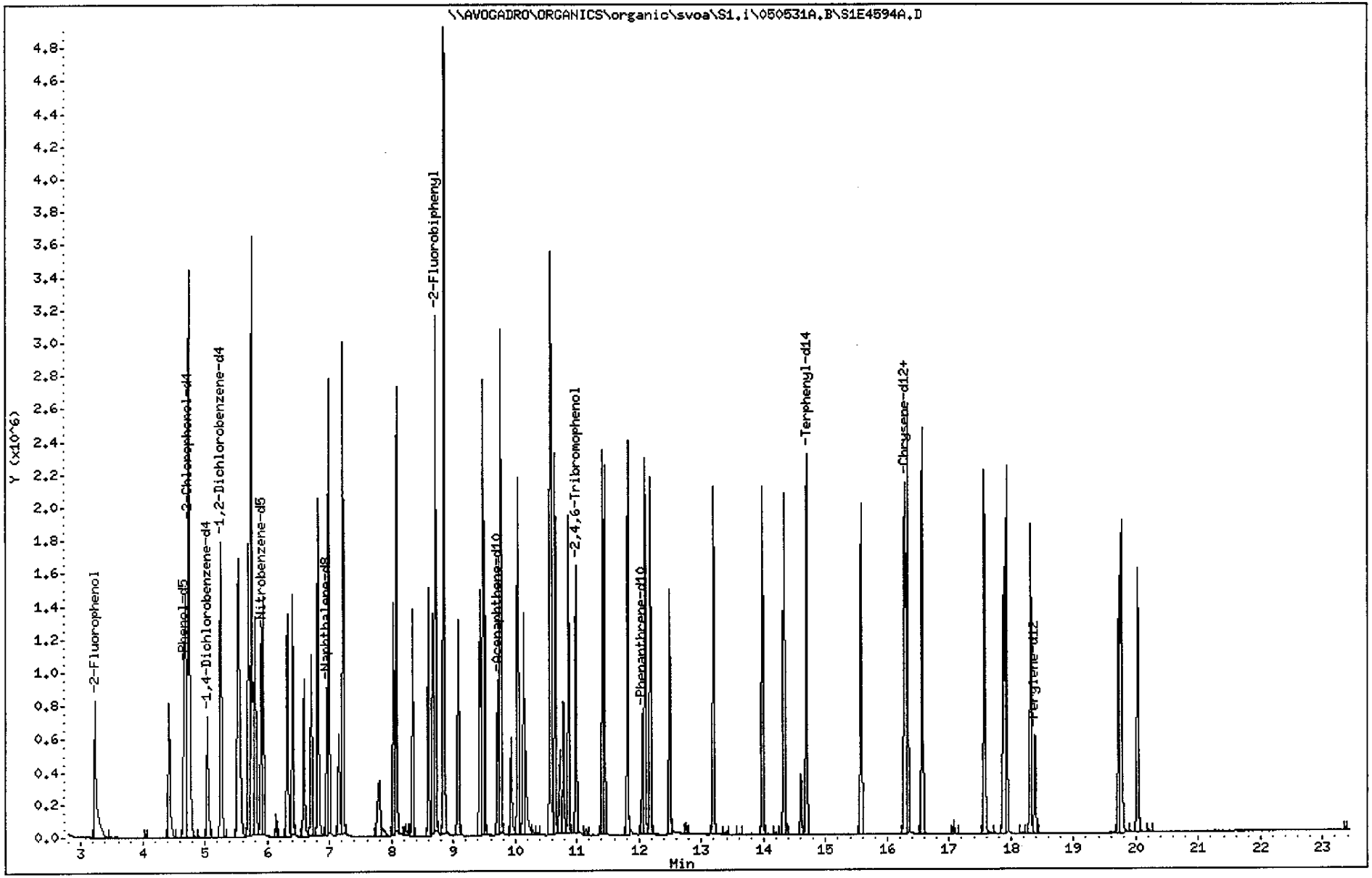
QC Flag Legend

H - Operator selected an alternate compound hit.

06/01/05
AL

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050531A.B\S1E4594A.D
Date : 31-MAY-2005 16:47
Client ID: SSTD0801B
Sample Info: SSTD0801B,SSTD0801B

Instrument: S1.i
Operator: AW SRC: AW
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1E4594A.D
Report Date: 01-Jun-2005 16:42

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050531A.B\S1E4594A.D
Lab Smp Id: SSTD0801B Client Smp ID: SSTD0801B
Inj Date : 31-MAY-2005 16:47
Operator : AW SRC: AW Inst ID: S1.i
Smp Info : SSTD0801B,SSTD0801B
Misc Info : 1,3,SSTD080,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050531A.B\s1_olm4_2_S.m
Meth Date : 01-Jun-2005 08:24 mtl Quant Type: ISTD
Cal Date : 31-MAY-2005 15:09 Cal File: S1E4591A.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	1 2-Fluorophenol	112	3.229	3.241	(0.642)	387755	80.0000	80
	2 Benzaldehyde	77	4.428	4.429	(0.880)	266885	80.0000	95
$	3 Phenol-d5	99	4.666	4.667	(0.927)	470545	80.0000	77
	4 Phenol	94	4.687	4.678	(0.931)	491034	80.0000	74
	5 bis(2-Chloroethyl)Ether	93	4.752	4.742	(0.944)	466386	80.0000	80
$	6 2-Chlorophenol-d4	132	4.731	4.732	(0.940)	638346	80.0000	77
	7 2-Chlorophenol	128	4.752	4.753	(0.944)	574210	80.0000	78
*	8 1,4-Dichlorobenzene-d4	152	5.033	5.045	(1.000)	178961	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.249	5.250	(1.043)	402994	80.0000	73
	10 2-Methylphenol	108	5.552	5.553	(1.103)	347438	80.0000	80
	11 2,2'-oxybis(1-Chloropropane)	45	5.530	5.531	(1.099)	561652	80.0000	78
	12 Acetophenone	105	5.703	5.693	(1.133)	587379	80.0000	80
	13 4-Methylphenol	108	5.811	5.801	(1.155)	373466	80.0000	78
	14 N-Nitroso-di-n-propylamine	70	5.757	5.747	(1.144)	373876	80.0000	81
	15 Hexachloroethane	117	5.757	5.758	(1.144)	359883	80.0000	80
$	16 Nitrobenzene-d5	82	5.897	5.898	(0.848)	591599	80.0000	86
	17 Nitrobenzene	77	5.930	5.931	(0.852)	523447	80.0000	80
	18 Isophorone	82	6.330	6.320	(0.910)	750751	80.0000	82
	19 2-Nitrophenol	139	6.405	6.406	(0.921)	295669	80.0000	80
	20 2,4-Dimethylphenol	107	6.589	6.590	(0.947)	270387	80.0000	72
	21 bis(2-Chloroethoxy)methane	93	6.718	6.709	(0.966)	447615	80.0000	85
	22 2,4-Dichlorophenol	162	6.816	6.817	(0.980)	469955	80.0000	81
*	23 Naphthalene-d8	136	6.956	6.957	(1.000)	588255	40.0000	
	24 Naphthalene	128	6.989	6.989	(1.005)	1418725	80.0000	82
	25 4-Chloroaniline	127	7.140	7.141	(1.026)	297447	80.0000	86
	26 Hexachlorobutadiene	225	7.215	7.216	(1.037)	440513	80.0000	82

Data File: S1E4594A.D
Report Date: 01-Jun-2005 16:42

			QUANT SIG					AMOUNTS	
								CAL-AMT	ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
	27	Caprolactam	113	7.799	7.767	(1.121)	90120	80.0000	82
	28	4-Chloro-3-Methylphenol	107	8.037	8.027	(1.155)	352569	80.0000	78
	29	2-Methylnaphthalene	142	8.091	8.081	(1.163)	1015020	80.0000	75
	30	Hexachlorocyclopentadiene	237	8.339	8.340	(0.859)	297003	80.0000	80
	31	2,4,6-Trichlorophenol	196	8.598	8.588	(0.885)	319683	80.0000	86
	32	2,4,5-Trichlorophenol	196	8.674	8.664	(0.893)	355515	80.0000	84
$	33	2-Fluorobiphenyl	172	8.717	8.718	(0.898)	1186587	80.0000	88
	34	1,1'-Biphenyl	154	8.858	8.848	(0.912)	1294581	80.0000	83
	35	2-Chloronaphthalene	162	8.847	8.848	(0.911)	1046564	80.0000	86
	36	2-Nitroaniline	65	9.084	9.075	(0.935)	307307	80.0000	92
	37	Dimethylphthalate	163	9.430	9.431	(0.971)	1023630	80.0000	89
	38	2,6-Dinitrotoluene	165	9.517	9.507	(0.980)	276243	80.0000	97
	39	Acenaphthylene	152	9.484	9.485	(0.977)	1481982	80.0000	92
	40	3-Nitroaniline	138	9.754	9.744	(1.004)	221296	80.0000	85
*	41	Acenaphthene-d10	164	9.711	9.712	(1.000)	289839	40.0000	
	42	Acenaphthene	153	9.765	9.766	(1.006)	936259	80.0000	88
	43	2,4-Dinitrophenol	184	9.938	9.939	(1.023)	129216	80.0000	84
	44	4-Nitrophenol	109	10.165	10.177	(1.047)	163209	80.0000	84
	45	Dibenzofuran	168	10.057	10.047	(1.036)	1238266	80.0000	88
	46	2,4-Dinitrotoluene	165	10.143	10.133	(1.044)	290632	80.0000	86
	47	Diethylphthalate	149	10.575	10.565	(1.089)	1263272	80.0000	85
	48	Fluorene	166	10.597	10.587	(1.091)	1089297	80.0000	86
	49	4-Chlorophenyl-phenylether	204	10.651	10.652	(1.097)	501500	80.0000	87
	50	4-Nitroaniline	138	10.737	10.717	(1.106)	152882	80.0000	85
	51	4,6-Dinitro-2-methylphenol	198	10.791	10.782	(0.895)	181189	80.0000	73
	52	N-Nitrosodiphenylamine	169	10.867	10.868	(0.901)	558549	80.0000	72
$	53	2,4,6-Tribromophenol	330	10.986	10.987	(0.911)	308100	80.0000	78
	54	4-Bromophenyl-phenylether	248	11.418	11.419	(0.947)	352080	80.0000	78
	55	Hexachlorobenzene	284	11.450	11.451	(0.950)	462337	80.0000	78
	56	Atrazine	200	11.818	11.819	(0.980)	276883	80.0000	85
	57	Pentachlorophenol	266	11.818	11.819	(0.980)	208273	80.0000	78
*	58	Phenanthrene-d10	188	12.055	12.056	(1.000)	485523	40.0000	
	59	Phenanthrene	178	12.099	12.100	(1.004)	1362082	80.0000	79
	60	Anthracene	178	12.185	12.186	(1.011)	1146189	80.0000	74
	61	Carbazole	167	12.498	12.499	(1.037)	814292	80.0000	70
	62	Di-n-butylphthalate	149	13.201	13.202	(1.095)	1879429	80.0000	77
	63	Fluoranthene	202	13.989	13.990	(1.160)	1312768	80.0000	77
	64	Pyrene	202	14.335	14.325	(0.880)	1430789	80.0000	80
$	65	Terphenyl-d14	244	14.702	14.692	(0.903)	1048185	80.0000	78
	66	Butylbenzylphthalate	149	15.577	15.578	(0.956)	814204	80.0000	81
	67	3,3'-Dichlorobenzidine	252	16.323	16.313	(1.002)	323816	80.0000	81
	68	Benzo(a)anthracene	228	16.280	16.270	(0.999)	1333127	80.0000	80
*	69	Chrysene-d12	240	16.290	16.291	(1.000)	515852	40.0000	
	70	Chrysene	228	16.334	16.335	(1.003)	1292319	80.0000	80
	71	bis(2-Ethylhexyl)phthalate	149	16.571	16.572	(1.017)	1229453	80.0000	85
	72	Di-n-octylphthalate	149	17.565	17.566	(0.955)	1871463	80.0000	80
	73	Benzo(b)fluoranthene	252	17.889	17.879	(0.972)	1529987	80.0000	82

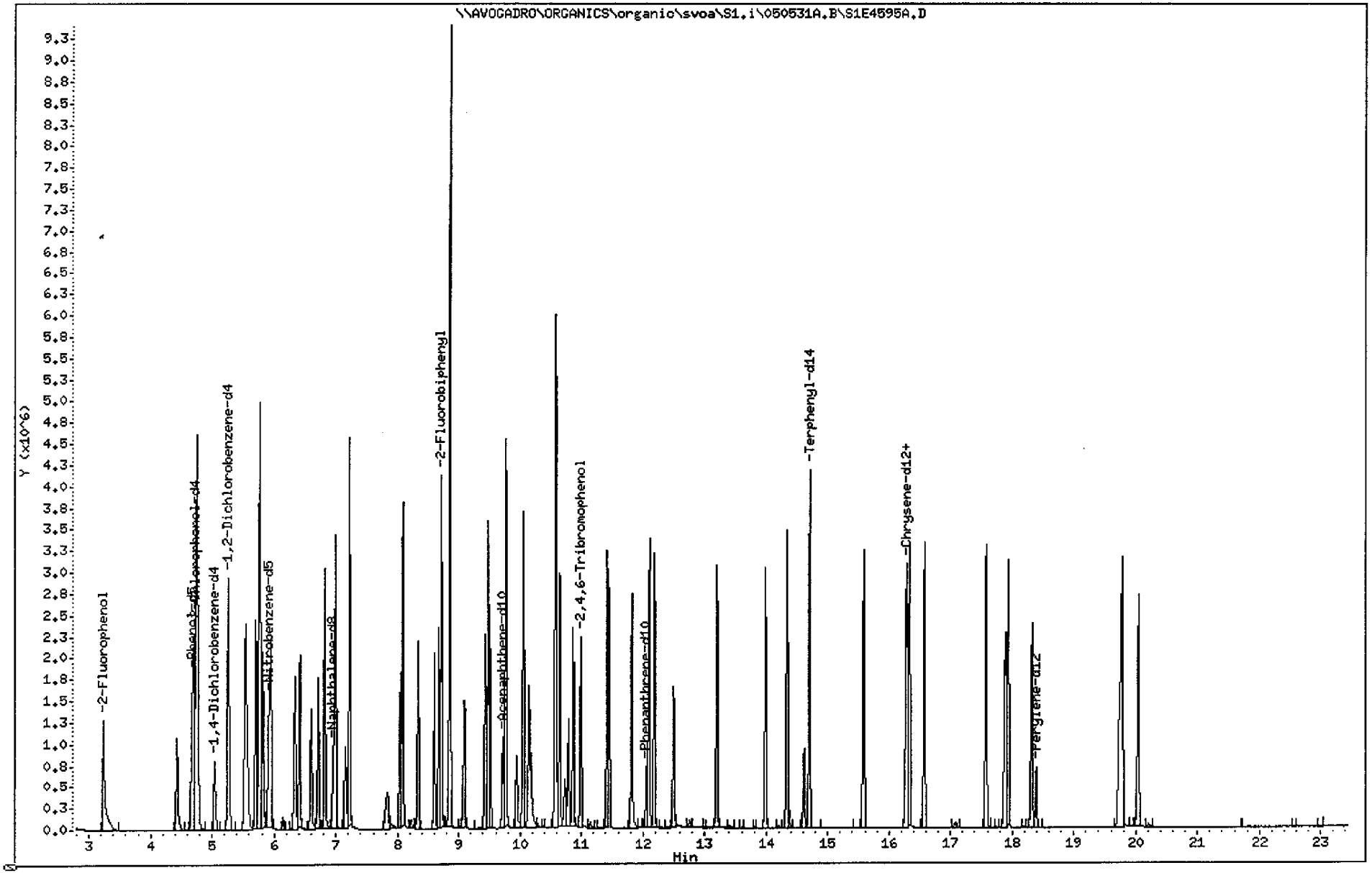
Data File: S1E4594A.D
Report Date: 01-Jun-2005 16:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
74 Benzo(k)fluoranthene	252	17.933	17.923	(0.975)	1417862	80.0000	86
75 Benzo(a)pyrene	252	18.321	18.322	(0.996)	1250031	80.0000	86
* 76 Perylene-d12	264	18.397	18.398	(1.000)	363000	40.0000	
77 Indeno(1,2,3-cd)pyrene	276	19.737	19.738	(1.073)	1557870	80.0000	86
78 Dibenzo(a,h)anthracene	278	19.780	19.770	(1.075)	1276954	80.0000	81
79 Benzo(g,h,i)perylene	276	20.028	20.029	(1.089)	1197430	80.0000	80

06/01/05
AJ

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050531A.B\S1E4595A.D
Date : 31-MAY-2005 17:47
Client ID: SSTD1201B
Sample Info: SSTD1201B,SSTD1201B

Instrument: S1.i
Operator: AW SRC: AW
Column phase: DB-5MS
Column diameter: 0.25



0304

Data File: S1E4595A.D
Report Date: 01-Jun-2005 16:42

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050531A.B\S1E4595A.D
Lab Smp Id: SSTD1201B Client Smp ID: SSTD1201B
Inj Date : 31-MAY-2005 17:47
Operator : AW SRC: AW Inst ID: S1.i
Smp Info : SSTD1201B,SSTD1201B
Misc Info : 1,4,SSTD120,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050531A.B\s1_olm4_2_S.m
Meth Date : 01-Jun-2005 08:24 mtl Quant Type: ISTD
Cal Date : 31-MAY-2005 15:09 Cal File: S1E4591A.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	1 2-Fluorophenol	112	3.230	3.241	(0.642)	600446	120.000	120
	2 Benzaldehyde	77	4.430	4.429	(0.880)	347071	120.000	100
$	3 Phenol-d5	99	4.678	4.667	(0.929)	766486	120.000	120
	4 Phenol	94	4.700	4.678	(0.933)	794386	120.000	120
	5 bis(2-Chloroethyl)Ether	93	4.765	4.742	(0.946)	748778	120.000	130
$	6 2-Chlorophenol-d4	132	4.732	4.732	(0.940)	951129	120.000	120
	7 2-Chlorophenol	128	4.754	4.753	(0.944)	891701	120.000	120
*	8 1,4-Dichlorobenzene-d4	152	5.035	5.045	(1.000)	190760	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.251	5.250	(1.043)	660230	120.000	120
	10 2-Methylphenol	108	5.564	5.553	(1.105)	541151	120.000	120
	11 2,2'-oxybis(1-Chloropropane)	45	5.532	5.531	(1.099)	861499	120.000	120
	12 Acetophenone	105	5.704	5.693	(1.133)	922007	120.000	120
	13 4-Methylphenol	108	5.812	5.801	(1.155)	526409	120.000	110
	14 N-Nitroso-di-n-propylamine	70	5.769	5.747	(1.146)	579106	120.000	120
	15 Hexachloroethane	117	5.758	5.758	(1.144)	550971	120.000	120
$	16 Nitrobenzene-d5	82	5.910	5.898	(0.849)	868362	120.000	120
	17 Nitrobenzene	77	5.942	5.931	(0.854)	767314	120.000	110
	18 Isophorone	82	6.331	6.320	(0.910)	1179049	120.000	120
	19 2-Nitrophenol	139	6.417	6.406	(0.922)	478137	120.000	120
	20 2,4-Dimethylphenol	107	6.590	6.590	(0.947)	437904	120.000	110
	21 bis(2-Chloroethoxy)methane	93	6.720	6.709	(0.966)	639441	120.000	120
	22 2,4-Dichlorophenol	162	6.817	6.817	(0.980)	713074	120.000	120
*	23 Naphthalene-d8	136	6.958	6.957	(1.000)	644571	40.0000	
	24 Naphthalene	128	6.990	6.989	(1.005)	2240143	120.000	120
	25 4-Chloroaniline	127	7.152	7.141	(1.028)	514204	120.000	120
	26 Hexachlorobutadiene	225	7.217	7.216	(1.037)	657215	120.000	120

Data File: S1E4595A.D
Report Date: 01-Jun-2005 16:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	27 Caprolactam	113	7.843	7.767	(1.127)	120044	120.000	100
	28 4-Chloro-3-Methylphenol	107	8.049	8.027	(1.157)	502193	120.000	110
	29 2-Methylnaphthalene	142	8.092	8.081	(1.163)	1511128	120.000	110
	30 Hexachlorocyclopentadiene	237	8.340	8.340	(0.859)	501599	120.000	120
	31 2,4,6-Trichlorophenol	196	8.600	8.588	(0.885)	445789	120.000	110
	32 2,4,5-Trichlorophenol	196	8.675	8.664	(0.893)	543658	120.000	110
$	33 2-Fluorobiphenyl	172	8.719	8.718	(0.898)	1758209	120.000	120
	34 1,1'-Biphenyl	154	8.859	8.848	(0.912)	2119544	120.000	120
	35 2-Chloronaphthalene	162	8.848	8.848	(0.911)	1654175	120.000	120
	36 2-Nitroaniline	65	9.086	9.075	(0.935)	428556	120.000	110
	37 Dimethylphthalate	163	9.442	9.431	(0.972)	1454516	120.000	110
	38 2,6-Dinitrotoluene	165	9.518	9.507	(0.980)	337956	120.000	110
	39 Acenaphthylene	152	9.486	9.485	(0.977)	2005907	120.000	110
	40 3-Nitroaniline	138	9.767	9.744	(1.006)	336040	120.000	110
*	41 Acenaphthene-d10	164	9.713	9.712	(1.000)	347090	40.0000	
	42 Acenaphthene	153	9.777	9.766	(1.007)	1413414	120.000	120
	43 2,4-Dinitrophenol	184	9.950	9.939	(1.024)	201032	120.000	110
	44 4-Nitrophenol	109	10.177	10.177	(1.048)	240035	120.000	110
	45 Dibenzofuran	168	10.058	10.047	(1.036)	1904070	120.000	120
	46 2,4-Dinitrotoluene	165	10.145	10.133	(1.044)	433737	120.000	110
	47 Diethylphthalate	149	10.588	10.565	(1.090)	1960237	120.000	120
	48 Fluorene	166	10.598	10.587	(1.091)	1662294	120.000	120
	49 4-Chlorophenyl-phenylether	204	10.663	10.652	(1.098)	753215	120.000	120
	50 4-Nitroaniline	138	10.739	10.717	(1.106)	163725	120.000	84
	51 4,6-Dinitro-2-methylphenol	198	10.793	10.782	(0.895)	254318	120.000	110
	52 N-Nitrosodiphenylamine	169	10.868	10.868	(0.901)	775446	120.000	110
$	53 2,4,6-Tribromophenol	330	10.987	10.987	(0.911)	454478	120.000	130
	54 4-Bromophenyl-phenylether	248	11.430	11.419	(0.948)	531864	120.000	130
	55 Hexachlorobenzene	284	11.452	11.451	(0.950)	642114	120.000	120
	56 Atrazine	200	11.830	11.819	(0.981)	389829	120.000	130
	57 Pentachlorophenol	266	11.819	11.819	(0.980)	314133	120.000	120
*	58 Phenanthrene-d10	188	12.057	12.056	(1.000)	467554	40.0000	
	59 Phenanthrene	178	12.111	12.100	(1.004)	1970298	120.000	130
	60 Anthracene	178	12.187	12.186	(1.011)	1898998	120.000	130
	61 Carbazole	167	12.500	12.499	(1.037)	1109187	120.000	110
	62 Di-n-butylphthalate	149	13.202	13.202	(1.095)	2662684	120.000	120
	63 Fluoranthene	202	13.991	13.990	(1.160)	2006488	120.000	130
	64 Pyrene	202	14.336	14.325	(0.880)	2236607	120.000	110
$	65 Terphenyl-d14	244	14.704	14.692	(0.903)	1734082	120.000	110
	66 Butylbenzylphthalate	149	15.579	15.578	(0.956)	1240152	120.000	110
	67 3,3'-Dichlorobenzidine	252	16.324	16.313	(1.002)	533397	120.000	110
	68 Benzo(a)anthracene	228	16.281	16.270	(0.999)	2222329	120.000	110
*	69 Chrysene-d12	240	16.292	16.291	(1.000)	636010	40.0000	
	70 Chrysene	228	16.346	16.335	(1.003)	2181585	120.000	110
	71 bis(2-Ethylhexyl)phthalate	149	16.573	16.572	(1.017)	1720990	120.000	100
	72 Di-n-octylphthalate	149	17.577	17.566	(0.955)	3041569	120.000	130
	73 Benzo(b)fluoranthene	252	17.891	17.879	(0.972)	2338685	120.000	130

Data File: S1E4595A.D
Report Date: 01-Jun-2005 16:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	74 Benzo(k)fluoranthene	252	17.945	17.923	(0.975)	2521080	120.000	140
	75 Benzo(a)pyrene	252	18.334	18.322	(0.996)	1680193	120.000	120
*	76 Perylene-d12	264	18.399	18.398	(1.000)	394265	40.0000	
	77 Indeno(1,2,3-cd)pyrene	276	19.749	19.738	(1.073)	2102708	120.000	120
	78 Dibenzo(a,h)anthracene	278	19.781	19.770	(1.075)	2015324	120.000	130
	79 Benzo(g,h,i)perylene	276	20.041	20.029	(1.089)	1928350	120.000	130

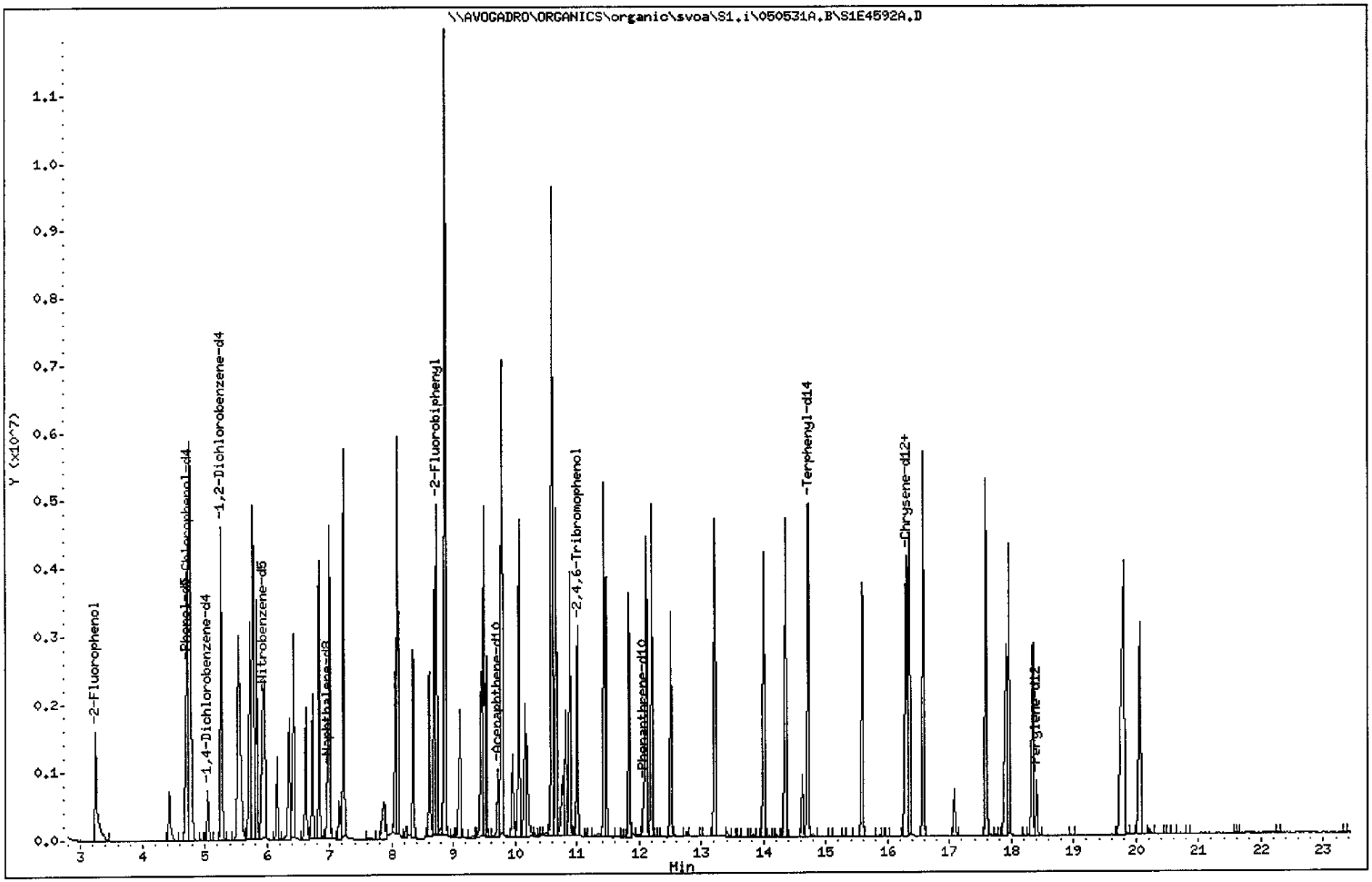
06/01/05
AJ

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050531A.B\S1E4592A.D
Date : 31-MAY-2005 15:45
Client ID: SSTD1601B
Sample Info: SSTD1601B,SSTD1601B

Instrument: S1.i

Operator: AW SRC: AW
Column diameter: 0.25

Column phase: DB-5MS



03108

Data File: S1E4592A.D
Report Date: 01-Jun-2005 16:42

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050531A.B\S1E4592A.D
Lab Smp Id: SSTD1601B Client Smp ID: SSTD1601B
Inj Date : 31-MAY-2005 15:45
Operator : AW SRC: AW Inst ID: S1.i
Smp Info : SSTD1601B,SSTD1601B
Misc Info : 1,6,SSTD160,3
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050531A.B\s1_olm4_2_S.m
Meth Date : 01-Jun-2005 08:24 mtl Quant Type: ISTD
Cal Date : 31-MAY-2005 15:09 Cal File: S1E4591A.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$	1 2-Fluorophenol	112	3.239	3.241	(0.642)	769350	160.000	170(A)
	2 Benzaldehyde	77	4.427	4.429	(0.878)	265329	160.000	110
$	3 Phenol-d5	99	4.697	4.667	(0.931)	1027605	160.000	180(A)
	4 Phenol	94	4.719	4.678	(0.936)	1185529	160.000	180(A)
	5 bis(2-Chloroethyl)Ether	93	4.773	4.742	(0.946)	1046659	160.000	190(A)
$	6 2-Chlorophenol-d4	132	4.740	4.732	(0.940)	1390618	160.000	180(A)
	7 2-Chlorophenol	128	4.762	4.753	(0.944)	1232472	160.000	180(A)
*	8 1,4-Dichlorobenzene-d4	152	5.043	5.045	(1.000)	168941	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.259	5.250	(1.043)	951657	160.000	170(A)
	10 2-Methylphenol	108	5.551	5.553	(1.101)	659079	160.000	160
	11 2,2'-oxybis(1-Chloropropane)	45	5.540	5.531	(1.099)	1171886	160.000	170(A)
	12 Acetophenone	105	5.723	5.693	(1.135)	1160810	160.000	170(A)
	13 4-Methylphenol	108	5.832	5.801	(1.156)	764483	160.000	170(A)
	14 N-Nitroso-di-n-propylamine	70	5.788	5.747	(1.148)	764608	160.000	180(A)
	15 Hexachloroethane	117	5.767	5.758	(1.144)	721859	160.000	170(A)
$	16 Nitrobenzene-d5	82	5.929	5.898	(0.851)	1052296	160.000	150
	17 Nitrobenzene	77	5.961	5.931	(0.856)	1072434	160.000	150
	18 Isophorone	82	6.350	6.320	(0.912)	1428963	160.000	150
	19 2-Nitrophenol	139	6.426	6.406	(0.922)	605991	160.000	150
	20 2,4-Dimethylphenol	107	6.609	6.590	(0.949)	540859	160.000	130
	21 bis(2-Chloroethoxy)methane	93	6.728	6.709	(0.966)	824313	160.000	150
	22 2,4-Dichlorophenol	162	6.836	6.817	(0.981)	1049082	160.000	170(A)
*	23 Naphthalene-d8	136	6.966	6.957	(1.000)	624887	40.0000	
	24 Naphthalene	128	6.998	6.989	(1.005)	2980730	160.000	160(A)
	25 4-Chloroaniline	127	7.150	7.141	(1.026)	294708	160.000	83
	26 Hexachlorobutadiene	225	7.225	7.216	(1.037)	866692	160.000	150

Data File: S1E4592A.D
Report Date: 01-Jun-2005 16:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	27 Caprolactam	113	7.873	7.767	(1.130)	186329	160.000	160(A)
	28 4-Chloro-3-Methylphenol	107	8.068	8.027	(1.158)	739508	160.000	150
	29 2-Methylnaphthalene	142	8.100	8.081	(1.163)	2760169	160.000	190(A)
	30 Hexachlorocyclopentadiene	237	8.349	8.340	(0.859)	681577	160.000	160
	31 2,4,6-Trichlorophenol	196	8.619	8.588	(0.887)	656772	160.000	160
	32 2,4,5-Trichlorophenol	196	8.694	8.664	(0.894)	781259	160.000	160(A)
$	33 2-Fluorobiphenyl	172	8.727	8.718	(0.898)	2493200	160.000	170(A)
	34 1,1'-Biphenyl	154	8.867	8.848	(0.912)	3175838	160.000	180(A)
	35 2-Chloronaphthalene	162	8.867	8.848	(0.912)	2364601	160.000	170(A)
	36 2-Nitroaniline	65	9.105	9.075	(0.937)	524092	160.000	140
	37 Dimethylphthalate	163	9.451	9.431	(0.972)	1999499	160.000	160
	38 2,6-Dinitrotoluene	165	9.537	9.507	(0.981)	456851	160.000	150
	39 Acenaphthylene	152	9.494	9.485	(0.977)	2962524	160.000	170(A)
	40 3-Nitroaniline	138	9.786	9.744	(1.007)	509799	160.000	170(A)
*	41 Acenaphthene-d10	164	9.721	9.712	(1.000)	337715	40.0000	
	42 Acenaphthene	153	9.786	9.766	(1.007)	1953538	160.000	170(A)
	43 2,4-Dinitrophenol	184	9.969	9.939	(1.026)	300246	160.000	170(A)
	44 4-Nitrophenol	109	10.196	10.177	(1.049)	363628	160.000	160(A)
	45 Dibenzofuran	168	10.067	10.047	(1.036)	2535187	160.000	160(A)
	46 2,4-Dinitrotoluene	165	10.164	10.133	(1.046)	577894	160.000	150
	47 Diethylphthalate	149	10.607	10.565	(1.091)	2976266	160.000	180(A)
	48 Fluorene	166	10.607	10.587	(1.091)	2591607	160.000	180(A)
	49 4-Chlorophenyl-phenylether	204	10.672	10.652	(1.098)	1025122	160.000	160
	50 4-Nitroaniline	138	10.769	10.717	(1.108)	283057	160.000	140
	51 4,6-Dinitro-2-methylphenol	198	10.823	10.782	(0.896)	414074	160.000	170(A)
	52 N-Nitrosodiphenylamine	169	10.888	10.868	(0.902)	1293222	160.000	160(A)
$	53 2,4,6-Tribromophenol	330	11.006	10.987	(0.911)	639362	160.000	160(A)
	54 4-Bromophenyl-phenylether	248	11.439	11.419	(0.947)	774971	160.000	170(A)
	55 Hexachlorobenzene	284	11.471	11.451	(0.950)	978092	160.000	170(A)
	56 Atrazine	200	11.849	11.819	(0.981)	463640	160.000	150
	57 Pentachlorophenol	266	11.838	11.819	(0.980)	484595	160.000	180(A)
*	58 Phenanthrene-d10	188	12.076	12.056	(1.000)	473588	40.0000	
	59 Phenanthrene	178	12.119	12.100	(1.004)	2906819	160.000	170(A)
	60 Anthracene	178	12.206	12.186	(1.011)	2645181	160.000	170(A)
	61 Carbazole	167	12.519	12.499	(1.037)	2016777	160.000	170(A)
	62 Di-n-butylphthalate	149	13.221	13.202	(1.095)	4180572	160.000	170(A)
	63 Fluoranthene	202	14.010	13.990	(1.160)	2885506	160.000	170(A)
	64 Pyrene	202	14.356	14.325	(0.880)	3371649	160.000	150
$	65 Terphenyl-d14	244	14.723	14.692	(0.903)	2740738	160.000	170(A)
	66 Butylbenzylphthalate	149	15.598	15.578	(0.956)	1856739	160.000	150
	67 3,3'-Dichlorobenzidine	252	16.333	16.313	(1.001)	626168	160.000	130
	68 Benzo(a)anthracene	228	16.300	16.270	(0.999)	3073093	160.000	150
*	69 Chrysene-d12	240	16.311	16.291	(1.000)	629735	40.0000	
	70 Chrysene	228	16.365	16.335	(1.003)	3063333	160.000	150
	71 bis(2-Ethylhexyl)phthalate	149	16.581	16.572	(1.017)	2668448	160.000	160
	72 Di-n-octylphthalate	149	17.586	17.566	(0.955)	4496065	160.000	180(A)
	73 Benzo(b)fluoranthene	252	17.921	17.879	(0.974)	3758701	160.000	190(A)

Data File: S1E4592A.D
Report Date: 01-Jun-2005 16:42

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
74 Benzo(k)fluoranthene	252	17.964	17.923	(0.976)	2615656	160.000	160(H)
75 Benzo(a)pyrene	252	18.353	18.322	(0.997)	2452165	160.000	170(A)
* 76 Perylene-d12	264	18.407	18.398	(1.000)	383946	40.0000	
77 Indeno(1,2,3-cd)pyrene	276	19.768	19.738	(1.074)	3369417	160.000	180(A)
78 Dibenzo(a,h)anthracene	278	19.811	19.770	(1.076)	3038010	160.000	180(A)
79 Benzo(g,h,i)perylene	276	20.060	20.029	(1.090)	2830651	160.000	180(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

6/9/05

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: S1 Calibration Date: 06/06/05 Time: 1503

Lab File ID: S1E4631A Init. Calib. Date(s): 05/31/05 05/31/05

EPA Sample No.(SSTD050##): SSTD0501F Init. Calib. Times: 1509 1747

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Benzaldehyde	0.703	0.346		-50.8		
Phenol	1.397	1.276	0.800	-8.7	25.0	
bis(2-Chloroethyl)Ether	1.226	0.965	0.700	-21.3	25.0	
2-Chlorophenol	1.546	1.408	0.800	-8.9	25.0	
2-Methylphenol	0.968	0.993	0.700	2.6	25.0	
2,2'-oxybis(1-Chloropropane)	1.547	1.671		8.0		
Acetophenone	1.566	1.590		1.5		
4-Methylphenol	1.003	1.026	0.600	2.3	25.0	
N-Nitroso-di-n-propylamine	0.972	0.874	0.500	-10.1	25.0	
Hexachloroethane	0.958	0.841	0.300	-12.2	25.0	
Nitrobenzene	0.424	0.374	0.200	-11.8	25.0	
Isophorone	0.616	0.631	0.400	2.4	25.0	
2-Nitrophenol	0.244	0.212	0.100	-13.1	25.0	
2,4-Dimethylphenol	0.258	0.282	0.200	9.3	25.0	
bis(2-Chloroethoxy)methane	0.343	0.318	0.300	-7.3	25.0	
2,4-Dichlorophenol	0.372	0.301	0.200	-19.1	25.0	
Naphthalene	1.120	0.967	0.700	-13.7	25.0	
4-Chloroaniline	0.259	0.405		56.4		
Hexachlorobutadiene	0.342	0.274		-19.9		
Caprolactam	0.075	0.073		-2.7		
4-Chloro-3-Methylphenol	0.288	0.261	0.200	-9.4	25.0	
2-Methylnaphthalene	0.840	0.628	0.400	-25.2	25.0	<-
Hexachlorocyclopentadiene	0.471	0.547		16.1		
2,4,6-Trichlorophenol	0.474	0.509	0.200	7.4	25.0	
2,4,5-Trichlorophenol	0.567	0.531	0.200	-6.3	25.0	
1,1'-Biphenyl	2.003	1.888		-5.7		
2-Chloronaphthalene	1.558	1.491	0.800	-4.3	25.0	
2-Nitroaniline	0.450	0.493		9.6		
Dimethylphthalate	1.482	1.457		-1.7		
2,6-Dinitrotoluene	0.366	0.326	0.200	-10.9	25.0	
Acenaphthylene	2.071	1.851	0.900	-10.6	25.0	
3-Nitroaniline	0.351	0.352		0.3		
Acenaphthene	1.351	1.194	0.900	-11.6	25.0	
2,4-Dinitrophenol	0.208	0.201		-3.4		
4-Nitrophenol	0.260	0.287		10.4		
Dibenzofuran	1.809	1.834	0.800	1.4	25.0	

All other compounds must meet a minimum RRF of 0.010.

7D
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: S1 Calibration Date: 06/06/05 Time: 1503

Lab File ID: S1E4631A Init. Calib. Date(s): 05/31/05 05/31/05

EPA Sample No.(SSTD050##): SSTD0501F Init. Calib. Times: 1509 1747

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
2,4-Dinitrotoluene	0.438	0.476	0.200	8.7	25.0	
Diethylphthalate	1.897	2.279		20.1		
Fluorene	1.598	1.773	0.900	11.0	25.0	
4-Chlorophenyl-phenylether	0.746	0.716	0.400	-4.0	25.0	
4-Nitroaniline	0.226	0.261		15.5		
4,6-Dinitro-2-methylphenol	0.198	0.183		-7.6		
N-Nitrosodiphenylamine(1)	0.606	0.531		-12.4		
4-Bromophenyl-phenylether	0.350	0.324	0.100	-7.4	25.0	
Hexachlorobenzene	0.456	0.401	0.100	-12.1	25.0	
Atrazine	0.262	0.238		-9.2		
Pentachlorophenol	0.222	0.183	0.050	-17.6	25.0	
Phenanthrene	1.340	1.079	0.700	-19.5	25.0	
Anthracene	1.238	1.067	0.700	-13.8	25.0	
Carbazole	0.892	0.984		10.3		
Di-n-butylphthalate	1.879	1.839		-2.1		
Fluoranthene	1.324	1.333	0.600	0.7	25.0	
Pyrene	1.299	1.013	0.600	-22.0	25.0	
Butylbenzylphthalate	0.732	0.625		-14.6		
3,3'-Dichlorobenzidine	0.314	0.253		-19.4		
Benzo(a)anthracene	1.262	1.143	0.800	-9.4	25.0	
Chrysene	1.196	1.006	0.700	-15.9	25.0	
bis(2-Ethylhexyl)phthalate	1.047	0.774		-26.1		
Di-n-octylphthalate	2.398	1.702		-29.0		
Benzo(b)fluoranthene	1.870	1.455	0.700	-22.2	25.0	
Benzo(k)fluoranthene	1.768	1.481	0.700	-16.2	25.0	
Benzo(a)pyrene	1.464	1.190	0.700	-18.7	25.0	
Indeno(1,2,3-cd)pyrene	1.815	1.556	0.500	-14.3	25.0	
Dibenzo(a,h)anthracene	1.583	1.362	0.400	-14.0	25.0	
Benzo(g,h,i)perylene	1.539	1.382	0.500	-10.2	25.0	
Nitrobenzene-d5	0.454	0.404	0.200	-11.0	25.0	
2-Fluorobiphenyl	1.741	1.394	0.700	-19.9	25.0	
Terphenyl-d14	0.976	0.903	0.500	-7.5	25.0	
Phenol-d5	1.301	1.362	0.800	4.7	25.0	
2-Fluorophenol	1.033	1.296	0.600	25.5	25.0	<-
2,4,6-Tribromophenol	0.304	0.273		-10.2		
2-Chlorophenol-d4	1.706	1.628	0.800	-4.6	25.0	
1,2-Dichlorobenzene-d4	1.177	0.979	0.400	-16.8	25.0	

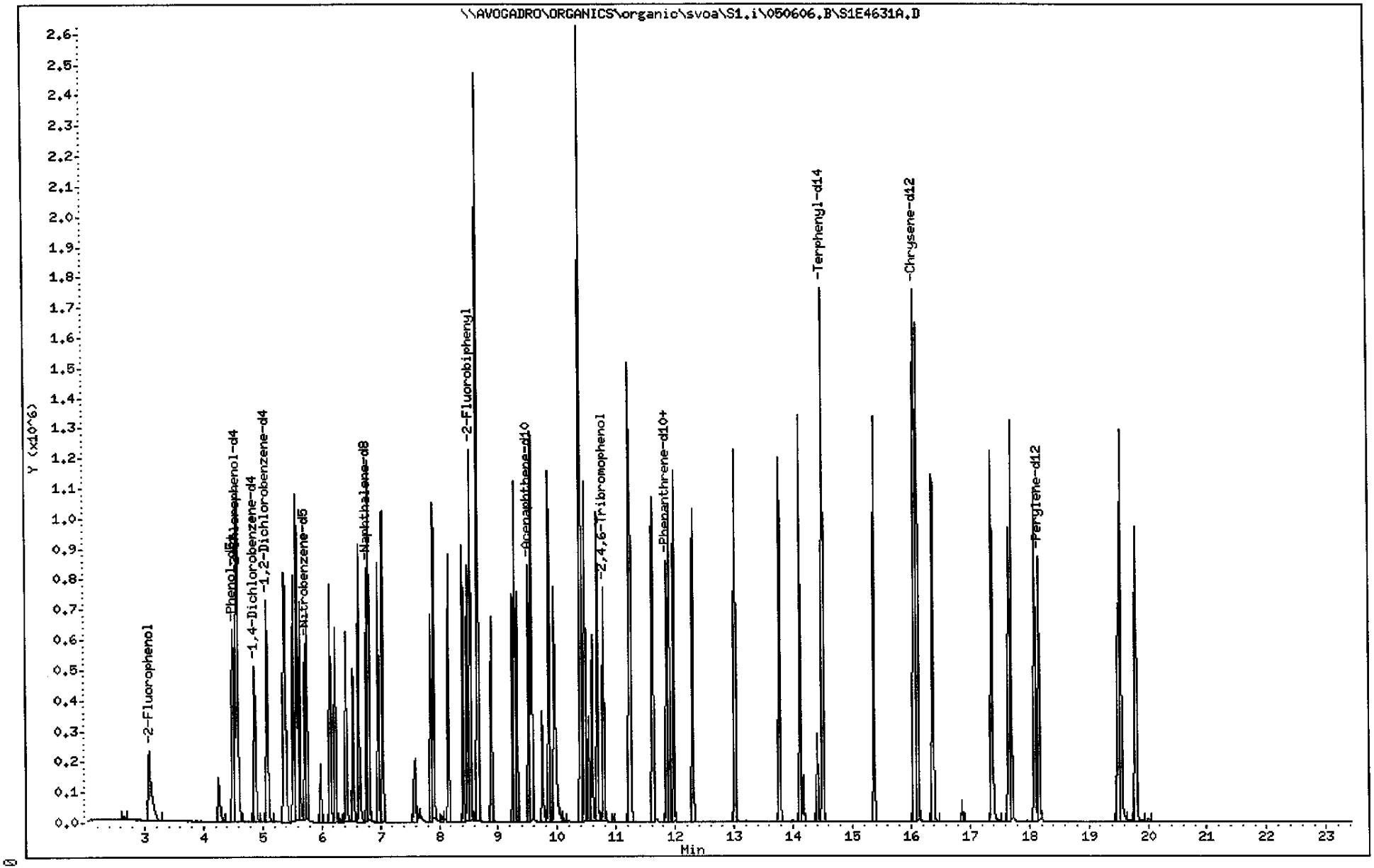
(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4631A.D
Date : 06-JUN-2005 15:03
Client ID: SSTD0501F
Sample Info: SSTD0501F,SSTD0501F

Instrument: S1.i

Operator: AW SRC: AW
Column diameter: 0.25

Column phase: DB-5MS



0314

Data File: S1E4631A.D
Report Date: 06-Jun-2005 15:29

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4631A.D
Lab Smp Id: SSTD0501F Client Smp ID: SSTD0501F
Inj Date : 06-JUN-2005 15:03
Operator : AW SRC: AW Inst ID: S1.i
Smp Info : SSTD0501F,SSTD0501F
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\s1_olm4_2_S.m
Meth Date : 06-Jun-2005 15:28 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 15:03 Cal File: S1E4631A.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	1 2-Fluorophenol	112	3.082	3.082	(0.632)	206610	50.0000	63
	2 Benzaldehyde	77	4.260	4.260	(0.874)	55140	50.0000	25
$	3 Phenol-d5	99	4.497	4.497	(0.922)	217182	50.0000	52
	4 Phenol	94	4.519	4.519	(0.927)	203415	50.0000	46
	5 bis(2-Chloroethyl)Ether	93	4.584	4.584	(0.940)	153839	50.0000	39
$	6 2-Chlorophenol-d4	132	4.562	4.562	(0.936)	259613	50.0000	48
	7 2-Chlorophenol	128	4.584	4.584	(0.940)	224461	50.0000	46
*	8 1,4-Dichlorobenzene-d4	152	4.875	4.875	(1.000)	127578	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.081	5.081	(1.042)	156070	50.0000	42
	10 2-Methylphenol	108	5.383	5.383	(1.104)	158294	50.0000	51
	11 2,2'-oxybis(1-Chloropropane)	45	5.362	5.362	(1.100)	266493	50.0000	54
	12 Acetophenone	105	5.524	5.524	(1.133)	253508	50.0000	51
	13 4-Methylphenol	108	5.632	5.632	(1.155)	163657	50.0000	51
	14 N-Nitroso-di-n-propylamine	70	5.578	5.578	(1.144)	139408	50.0000	45
	15 Hexachloroethane	117	5.588	5.588	(1.146)	134134	50.0000	44
$	16 Nitrobenzene-d5	82	5.729	5.729	(0.845)	251884	50.0000	45
	17 Nitrobenzene	77	5.751	5.751	(0.849)	233007	50.0000	44
	18 Isophorone	82	6.150	6.150	(0.908)	393435	50.0000	51
	19 2-Nitrophenol	139	6.237	6.237	(0.920)	132445	50.0000	44
	20 2,4-Dimethylphenol	107	6.420	6.420	(0.947)	175692	50.0000	55
	21 bis(2-Chloroethoxy)methane	93	6.539	6.539	(0.965)	198491	50.0000	46
	22 2,4-Dichlorophenol	162	6.636	6.636	(0.979)	187549	50.0000	40
*	23 Naphthalene-d8	136	6.777	6.777	(1.000)	498744	40.0000	
	24 Naphthalene	128	6.809	6.809	(1.005)	602881	50.0000	43
	25 4-Chloroaniline	127	6.971	6.971	(1.029)	252525	50.0000	78
	26 Hexachlorobutadiene	225	7.047	7.047	(1.040)	170847	50.0000	40

Data File: S1E4631A.D
Report Date: 06-Jun-2005 15:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	27 Caprolactam	113	7.598	7.598	(1.121)	45405	50.0000	49
	28 4-Chloro-3-Methylphenol	107	7.857	7.857	(1.159)	162917	50.0000	45
	29 2-Methylnaphthalene	142	7.901	7.901	(1.166)	391256	50.0000	37
	30 Hexachlorocyclopentadiene	237	8.160	8.160	(0.857)	174199	50.0000	58
	31 2,4,6-Trichlorophenol	196	8.408	8.408	(0.883)	162235	50.0000	54(H)
	32 2,4,5-Trichlorophenol	196	8.484	8.484	(0.891)	169189	50.0000	47
$	33 2-Fluorobiphenyl	172	8.538	8.538	(0.897)	444233	50.0000	40
	34 1,1'-Biphenyl	154	8.668	8.668	(0.910)	601704	50.0000	47
	35 2-Chloronaphthalene	162	8.657	8.657	(0.909)	475113	50.0000	48
	36 2-Nitroaniline	65	8.894	8.894	(0.934)	157236	50.0000	55
	37 Dimethylphthalate	163	9.262	9.262	(0.973)	464533	50.0000	49
	38 2,6-Dinitrotoluene	165	9.327	9.327	(0.980)	103855	50.0000	44
	39 Acenaphthylene	152	9.294	9.294	(0.976)	590021	50.0000	45
	40 3-Nitroaniline	138	9.564	9.564	(1.005)	112189	50.0000	50
*	41 Acenaphthene-d10	164	9.521	9.521	(1.000)	254985	40.0000	
	42 Acenaphthene	153	9.575	9.575	(1.006)	380451	50.0000	44
	43 2,4-Dinitrophenol	184	9.748	9.748	(1.024)	63906	50.0000	48
	44 4-Nitrophenol	109	9.986	9.986	(1.049)	91604	50.0000	55
	45 Dibenzofuran	168	9.856	9.856	(1.035)	584612	50.0000	51
	46 2,4-Dinitrotoluene	165	9.953	9.953	(1.045)	151661	50.0000	54
	47 Diethylphthalate	149	10.396	10.396	(1.092)	726425	50.0000	60
	48 Fluorene	166	10.396	10.396	(1.092)	565086	50.0000	55
	49 4-Chlorophenyl-phenylether	204	10.472	10.472	(1.100)	228361	50.0000	48
	50 4-Nitroaniline	138	10.547	10.547	(1.108)	83263	50.0000	58
	51 4,6-Dinitro-2-methylphenol	198	10.601	10.601	(0.887)	105818	50.0000	46
	52 N-Nitrosodiphenylamine	169	10.677	10.677	(0.893)	307770	50.0000	44(H)
$	53 2,4,6-Tribromophenol	330	10.796	10.796	(0.903)	158249	50.0000	45
	54 4-Bromophenyl-phenylether	248	11.228	11.228	(0.939)	188008	50.0000	46
	55 Hexachlorobenzene	284	11.250	11.250	(0.941)	232593	50.0000	44
	56 Atrazine	200	11.639	11.639	(0.974)	137889	50.0000	45
	57 Pentachlorophenol	266	11.628	11.628	(0.973)	106364	50.0000	41
*	58 Phenanthrene-d10	188	11.865	11.865	(1.000)	463735	40.0000	(H)
	59 Phenanthrene	178	11.909	11.909	(0.996)	625176	50.0000	40(H)
	60 Anthracene	178	11.984	11.984	(1.003)	618388	50.0000	43
	61 Carbazole	167	12.308	12.308	(1.030)	570637	50.0000	55
	62 Di-n-butylphthalate	149	13.021	13.021	(1.089)	1065995	50.0000	49(H)
	63 Fluoranthene	202	13.778	13.778	(1.153)	772452	50.0000	50(H)
	64 Pyrene	202	14.123	14.123	(0.878)	834057	50.0000	39
$	65 Terphenyl-d14	244	14.501	14.501	(0.902)	743184	50.0000	46
	66 Butylbenzylphthalate	149	15.377	15.377	(0.956)	514759	50.0000	43
	67 3,3'-Dichlorobenzidine	252	16.111	16.111	(1.002)	208314	50.0000	40
	68 Benzo(a)anthracene	228	16.057	16.057	(0.999)	940814	50.0000	45
*	69 Chrysene-d12	240	16.079	16.079	(1.000)	658771	40.0000	
	70 Chrysene	228	16.122	16.122	(1.003)	828252	50.0000	42
	71 bis(2-Ethylhexyl)phthalate	149	16.381	16.381	(1.019)	637540	50.0000	37
	72 Di-n-octylphthalate	149	17.375	17.375	(0.956)	1020112	50.0000	35
	73 Benzo(b)fluoranthene	252	17.667	17.667	(0.972)	872034	50.0000	39

Data File: S1E4631A.D
Report Date: 06-Jun-2005 15:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
74 Benzo(k)fluoranthene	252	17.710	17.710	(0.974)	887921	50.0000	42
75 Benzo(a)pyrene	252	18.099	18.099	(0.996)	713004	50.0000	41
* 76 Perylene-d12	264	18.175	18.175	(1.000)	479495	40.0000	
77 Indeno(1,2,3-cd)pyrene	276	19.514	19.514	(1.074)	932374	50.0000	43
78 Dibenzo(a,h)anthracene	278	19.547	19.547	(1.075)	816068	50.0000	43
79 Benzo(g,h,i)perylene	276	19.806	19.806	(1.090)	828487	50.0000	45

QC Flag Legend

H - Operator selected an alternate compound hit.

06/08/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050531A.B\S1E4590A.D

Date : 31-MAY-2005 14:53

Client ID: DFTPP1B

Instrument: S1.i

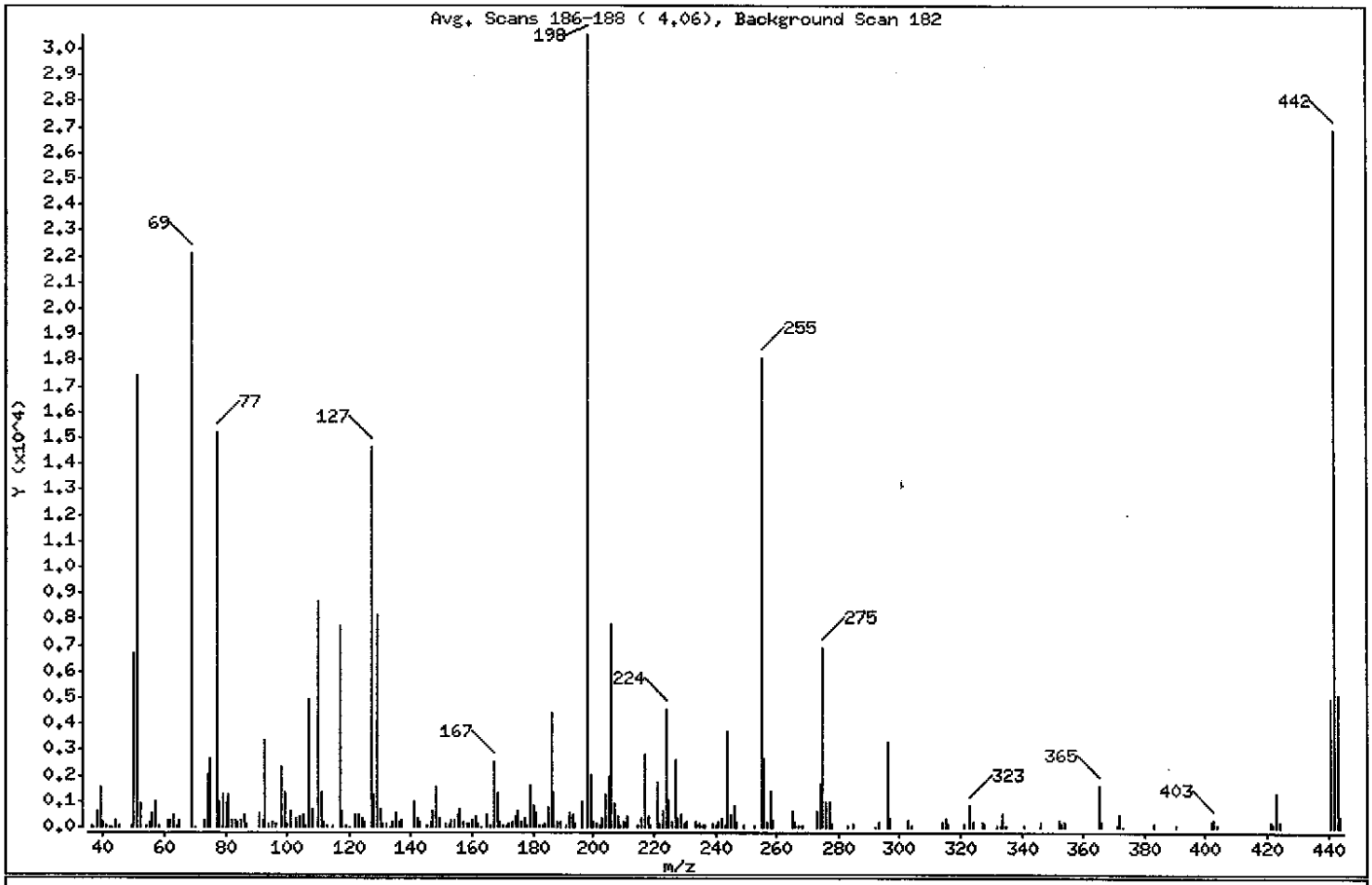
Sample Info: DFTPP1B,DFTPP1B

Operator: AW SRC: AW

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	56.87
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	72.47
70	Less than 2.00% of mass 69	0.02 (0.03)
127	25.00 - 75.00% of mass 198	47.92
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.64
275	10.00 - 30.00% of mass 198	22.61
365	Greater than 0.75% of mass 198	5.37
441	Present, but less than mass 443	16.42
442	40.00 - 110.00% of mass 198	88.02
443	15.00 - 24.00% of mass 442	16.82 (19.11)

Date : 31-MAY-2005 14:53

Client ID: DFTPP1B Instrument: S1.i

Sample Info: DFTPP1B,DFTPP1B

Operator: AW SRC: AW

Column phase: DB-5MS Column diameter: 0.25

Data File: S1E4590A.D
Spectrum: Avg. Scans 186-188 (4.06), Background Scan 182
Location of Maximum: 198.00
Number of points: 234

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	66	113.00	81	182.00	82	256.00	2674
37.00	2	115.00	57	183.00	41	257.00	181
38.00	606	117.00	7764	184.00	144	258.00	1439
39.00	1557	118.00	630	185.00	761	259.00	256
40.00	233	119.00	51	186.00	4446	265.00	664
41.00	99	120.00	35	187.00	1305	266.00	198
42.00	10	122.00	484	188.00	205	267.00	48
43.00	16	123.00	516	189.00	240	268.00	42
44.00	260	124.00	346	191.00	101	273.00	630
45.00	57	125.00	243	192.00	531	274.00	1711
49.00	38	127.00	14648	193.00	482	275.00	6911
50.00	6664	128.00	1295	194.00	143	276.00	963
51.00	17376	129.00	8200	196.00	993	277.00	969
52.00	892	130.00	722	198.00	30560	278.00	108
54.00	38	131.00	170	199.00	2031	283.00	36
55.00	191	132.00	118	200.00	194	285.00	118
56.00	583	133.00	34	201.00	123	292.00	34
57.00	1011	134.00	233	202.00	60	293.00	192
58.00	77	135.00	545	203.00	347	296.00	3322
61.00	278	136.00	205	204.00	1241	297.00	385
62.00	271	137.00	259	205.00	1977	303.00	298
63.00	475	141.00	987	206.00	7787	304.00	41
64.00	93	142.00	348	207.00	935	314.00	180
65.00	266	143.00	204	208.00	397	315.00	340
69.00	22144	145.00	59	209.00	60	316.00	158
70.00	7	146.00	193	210.00	241	321.00	115
73.00	272	147.00	625	211.00	429	323.00	852
74.00	2062	148.00	1577	215.00	48	324.00	182
75.00	2700	149.00	318	216.00	362	327.00	203
77.00	15180	151.00	130	217.00	2819	328.00	109
78.00	998	152.00	81	218.00	396	332.00	73
79.00	1274	153.00	257	219.00	36	333.00	92
80.00	921	154.00	252	221.00	1747	334.00	571
81.00	1279	155.00	463	222.00	155	335.00	83
82.00	260	156.00	697	223.00	656	341.00	93

Date : 31-MAY-2005 14:53

Client ID: DFTPP1B Instrument: S1.i

Sample Info: DFTPP1B,DFTPP1B

Operator: AW SRC: AW

Column phase: DB-5MS Column diameter: 0.25

Data File: S1E4590A.D
Spectrum: Avg. Scans 186-188 (4.06), Background Scan 182
Location of Maximum: 198.00
Number of points: 234

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	293	157.00	204	224.00	4608	346.00	230
84.00	205	158.00	153	225.00	1032	352.00	280
85.00	275	159.00	130	226.00	178	353.00	174
86.00	528	160.00	300	227.00	2582	354.00	244
87.00	106	161.00	417	228.00	372	365.00	1640
91.00	582	162.00	137	229.00	472	366.00	187
92.00	252	163.00	35	230.00	120	371.00	91
93.00	3379	165.00	461	231.00	195	372.00	478
94.00	157	166.00	105	234.00	231	373.00	35
95.00	233	167.00	2520	235.00	135	383.00	164
96.00	108	168.00	1309	236.00	64	390.00	42
98.00	2307	169.00	229	237.00	66	402.00	205
99.00	1310	170.00	102	239.00	138	403.00	263
100.00	140	171.00	41	240.00	43	404.00	78
101.00	658	172.00	175	241.00	215	421.00	186
103.00	333	173.00	187	242.00	358	422.00	106
104.00	396	174.00	406	243.00	76	423.00	1371
105.00	495	175.00	657	244.00	3717	424.00	243
106.00	94	176.00	191	245.00	474	441.00	5018
107.00	4916	177.00	343	246.00	874	442.00	26904
108.00	682	178.00	50	247.00	215	443.00	5142
110.00	8677	179.00	1635	249.00	46	444.00	433
111.00	1305	180.00	864	253.00	105		
112.00	207	181.00	570	255.00	18112		

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050531A.B\S1E4590A.D

Date : 31-MAY-2005 14:53

Client ID: DFTPP1B

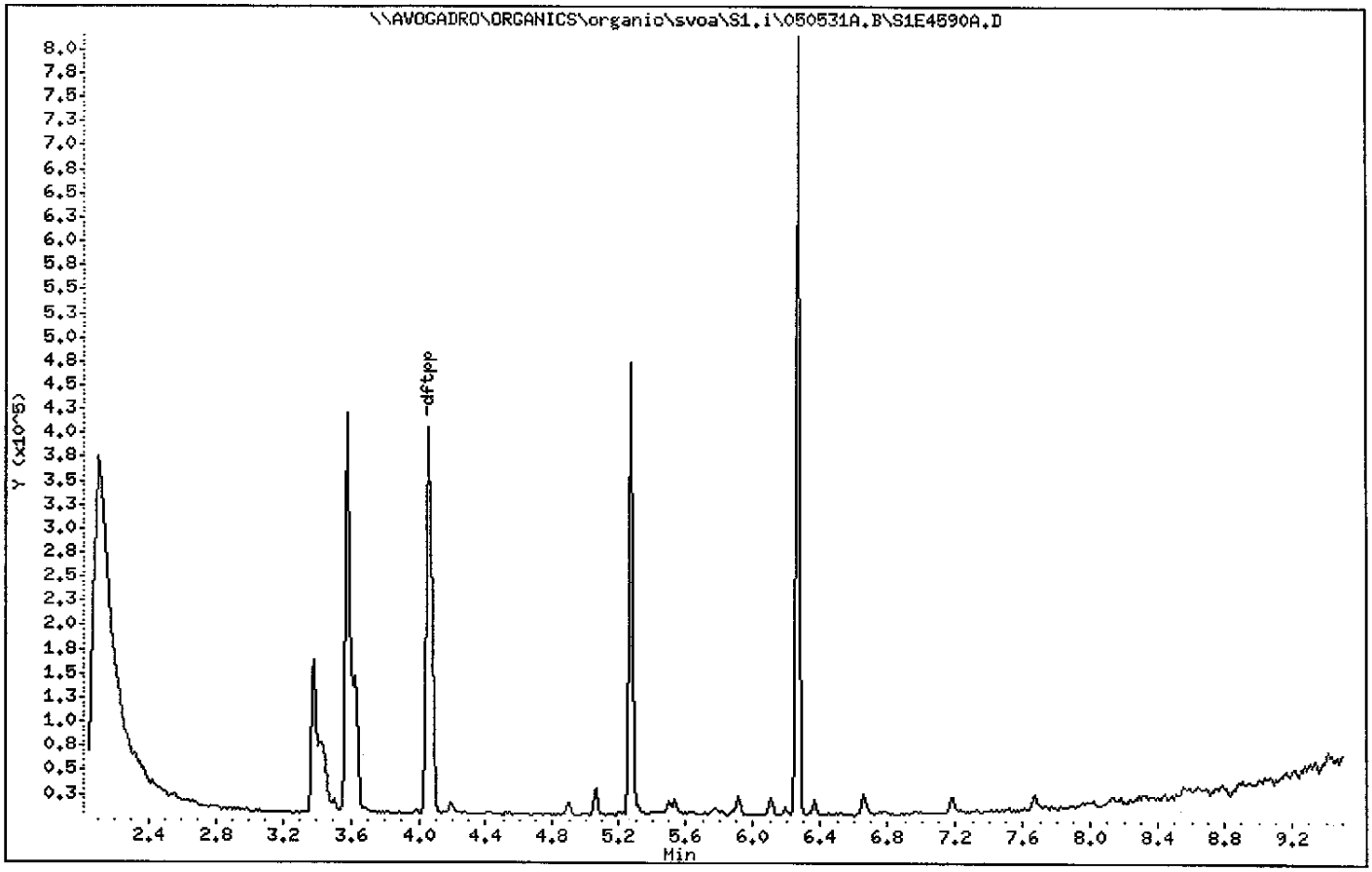
Instrument: S1.i

Sample Info: DFTPP1B,DFTPP1B

Operator: AW SRC: AW

Column phase: DB-5MS

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4630.D

Date : 06-JUN-2005 14:12

Client ID: DFTPP1F

Instrument: S1.i

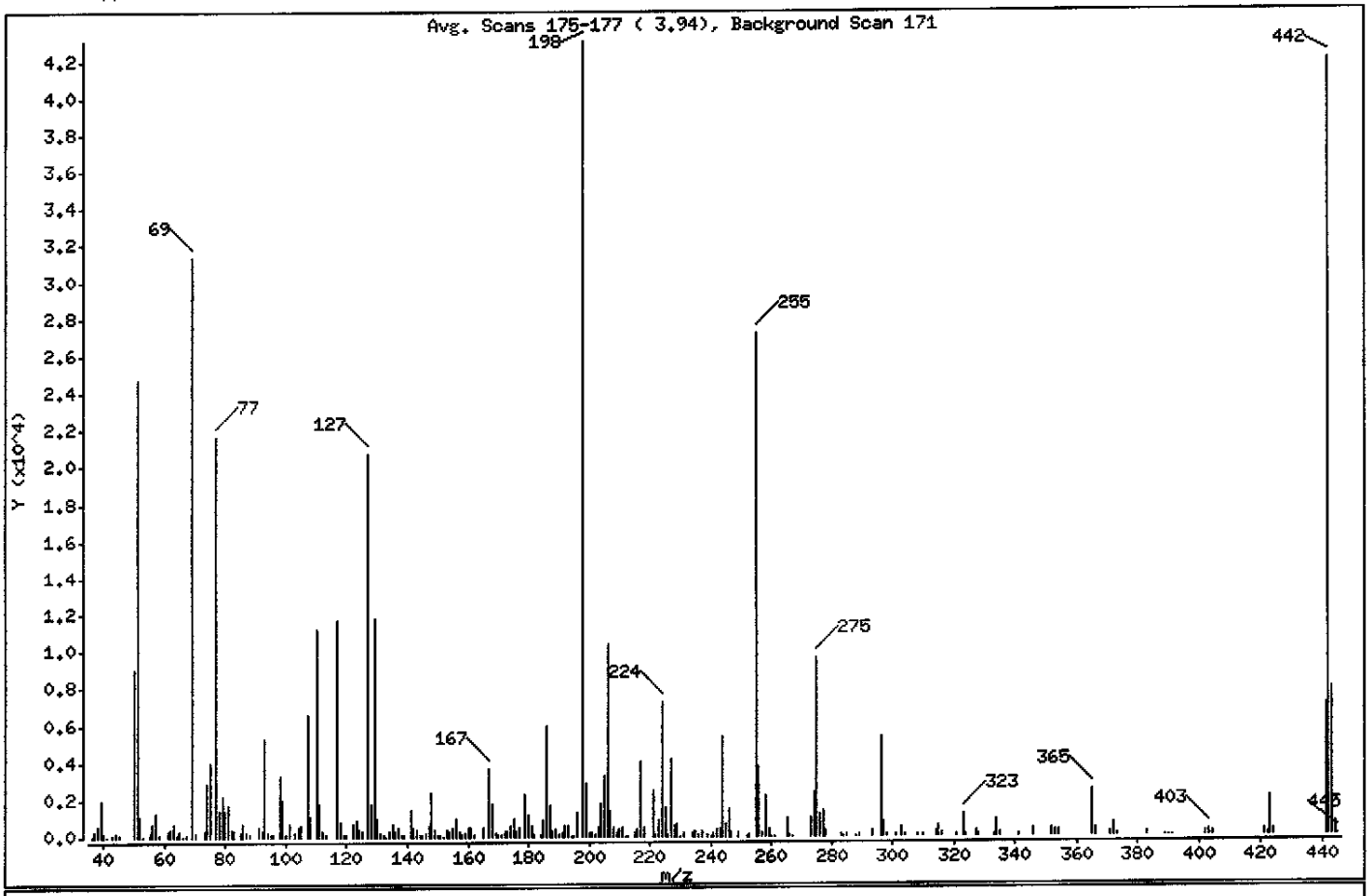
Sample Info: DFTPP1F,DFTPP1F

Operator: AW

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	57.41
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	72.72
70	Less than 2.00% of mass 69	0.43 (0.59)
127	25.00 - 75.00% of mass 198	48.20
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.80
275	10.00 - 30.00% of mass 198	22.46
365	Greater than 0.75% of mass 198	5.71
441	Present, but less than mass 443	16.35
442	40.00 - 110.00% of mass 198	97.47
443	15.00 - 24.00% of mass 442	18.39 (18.87)

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4630.D

Date : 06-JUN-2005 14:12

Client ID: DFTPP1F

Instrument: S1.i

Sample Info: DFTPP1F,DFTPP1F

Operator: AW

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1E4630.D
Spectrum: Avg. Scans 175-177 (3.94), Background Scan 171
Location of Maximum: 198.00
Number of points: 245

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	48	120.00	120	190.00	90	266.00	93
37.00	279	122.00	652	191.00	219	267.00	34
38.00	572	123.00	881	192.00	641	273.00	1000
39.00	1943	124.00	443	193.00	640	274.00	2338
40.00	223	125.00	321	194.00	40	275.00	9671
41.00	21	127.00	20752	195.00	44	276.00	1230
43.00	119	128.00	1774	196.00	1280	277.00	1395
44.00	163	129.00	11824	198.00	43056	278.00	251
45.00	57	130.00	978	199.00	2926	283.00	108
50.00	9005	131.00	154	200.00	245	284.00	41
51.00	24720	132.00	109	201.00	190	285.00	140
52.00	1131	133.00	34	202.00	74	288.00	41
53.00	42	134.00	255	203.00	493	289.00	61
55.00	192	135.00	656	204.00	1767	293.00	301
56.00	696	136.00	296	205.00	3290	296.00	5352
57.00	1320	137.00	496	206.00	10431	297.00	794
58.00	99	138.00	63	207.00	1349	298.00	51
61.00	283	139.00	85	208.00	487	301.00	51
62.00	382	141.00	1503	209.00	183	303.00	500
63.00	690	142.00	465	210.00	352	304.00	111
64.00	87	143.00	360	211.00	502	308.00	50
65.00	275	144.00	102	212.00	34	310.00	58
66.00	39	145.00	91	213.00	34	314.00	262
67.00	106	146.00	222	215.00	161	315.00	639
69.00	31312	147.00	601	216.00	374	316.00	232
70.00	186	148.00	2413	217.00	4068	321.00	132
73.00	302	149.00	441	218.00	461	323.00	1169
74.00	2920	150.00	84	221.00	2454	324.00	145
75.00	3980	151.00	147	222.00	84	327.00	304
77.00	21648	152.00	43	223.00	938	328.00	133
78.00	1373	153.00	401	224.00	7218	333.00	131
79.00	2158	154.00	301	225.00	1624	334.00	868
80.00	1431	155.00	535	226.00	83	335.00	227
81.00	1703	156.00	995	227.00	4135	341.00	63
82.00	423	157.00	340	228.00	593	346.00	371

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4630.D

Date : 06-JUN-2005 14:12

Client ID: DFTPP1F

Instrument: S1.i

Sample Info: DFTPP1F,DFTPP1F

Operator: AW

Column phase: DB-5MS

Column diameter: 0.25

Data File: S1E4630.D
Spectrum: Avg. Scans 175-177 (3.94), Background Scan 171
Location of Maximum: 198.00
Number of points: 245

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	254	158.00	106	229.00	650	352.00	350
85.00	242	159.00	157	230.00	36	353.00	252
86.00	693	160.00	462	231.00	193	354.00	317
87.00	217	161.00	536	234.00	211	365.00	2458
88.00	80	162.00	117	235.00	282	366.00	409
91.00	455	165.00	508	236.00	126	371.00	170
92.00	266	167.00	3694	237.00	293	372.00	744
93.00	5224	168.00	1832	239.00	142	373.00	136
94.00	224	169.00	226	240.00	47	383.00	172
95.00	103	170.00	123	241.00	228	389.00	44
96.00	111	171.00	83	242.00	425	390.00	39
98.00	3255	172.00	249	243.00	384	391.00	34
99.00	1964	173.00	283	244.00	5362	402.00	239
100.00	127	174.00	560	245.00	728	403.00	322
101.00	742	175.00	949	246.00	1456	404.00	175
103.00	220	176.00	344	247.00	217	421.00	311
104.00	506	177.00	454	249.00	175	422.00	86
105.00	561	179.00	2309	252.00	45	423.00	2105
107.00	6537	180.00	1223	253.00	125	424.00	343
108.00	1050	181.00	592	255.00	27144	441.00	7040
110.00	11223	182.00	101	256.00	3815	442.00	41968
111.00	1749	184.00	59	257.00	202	443.00	7919
112.00	302	185.00	926	258.00	2183	444.00	712
113.00	63	186.00	6001	259.00	402	445.00	33
117.00	11693	187.00	1703	260.00	47		
118.00	770	188.00	289	261.00	35		
119.00	84	189.00	409	265.00	1006		

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4630.D

Date : 06-JUN-2005 14:12

Client ID: DFTPP1F

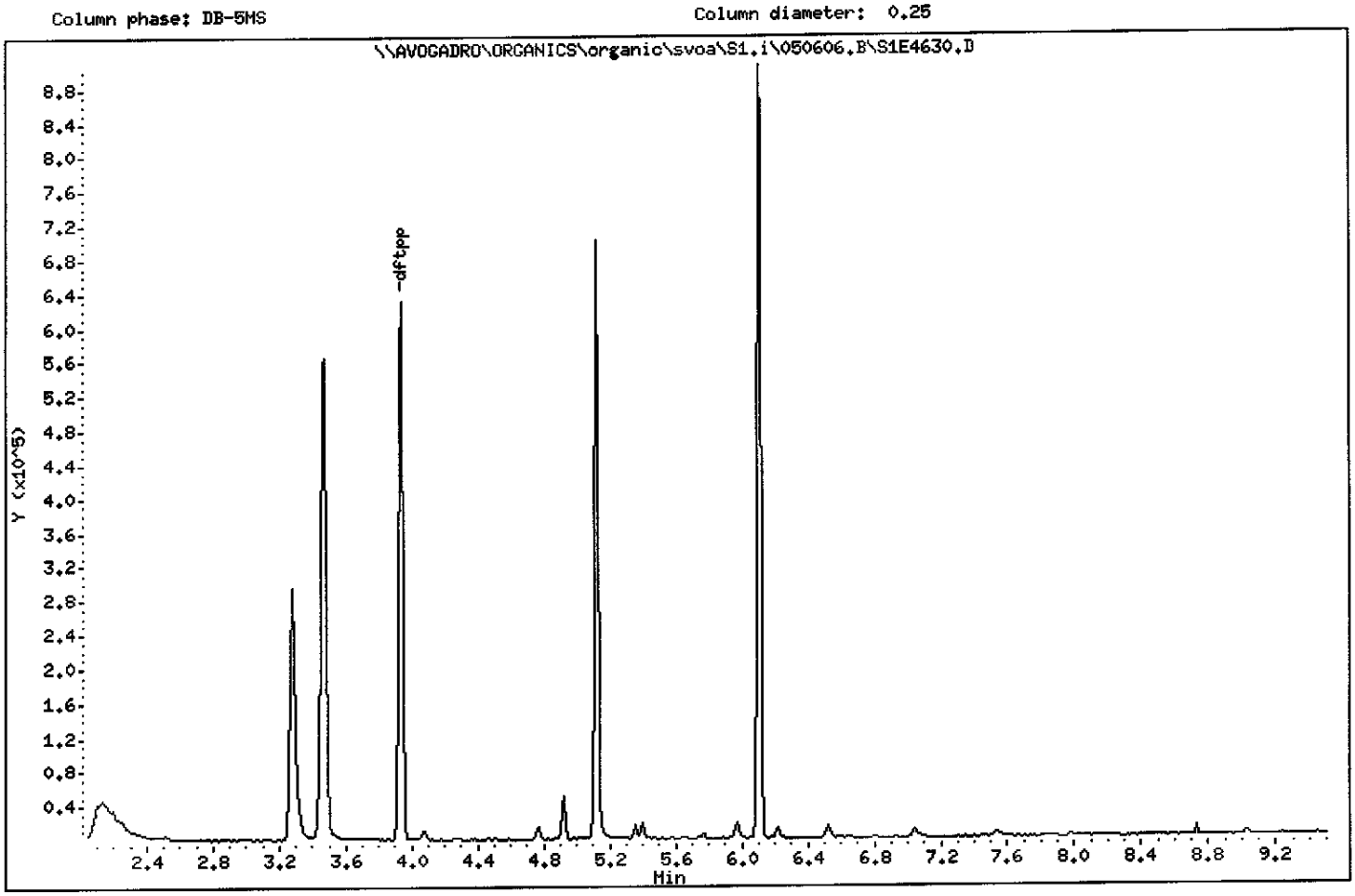
Instrument: S1.i

Sample Info: DFTPP1F,DFTPP1F

Operator: AW

Column phase: DB-5MS

Column diameter: 0.25



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18321

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4632

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1C

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18321

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4632

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SBLK1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18321

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4632

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted:05/31/05

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/06/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

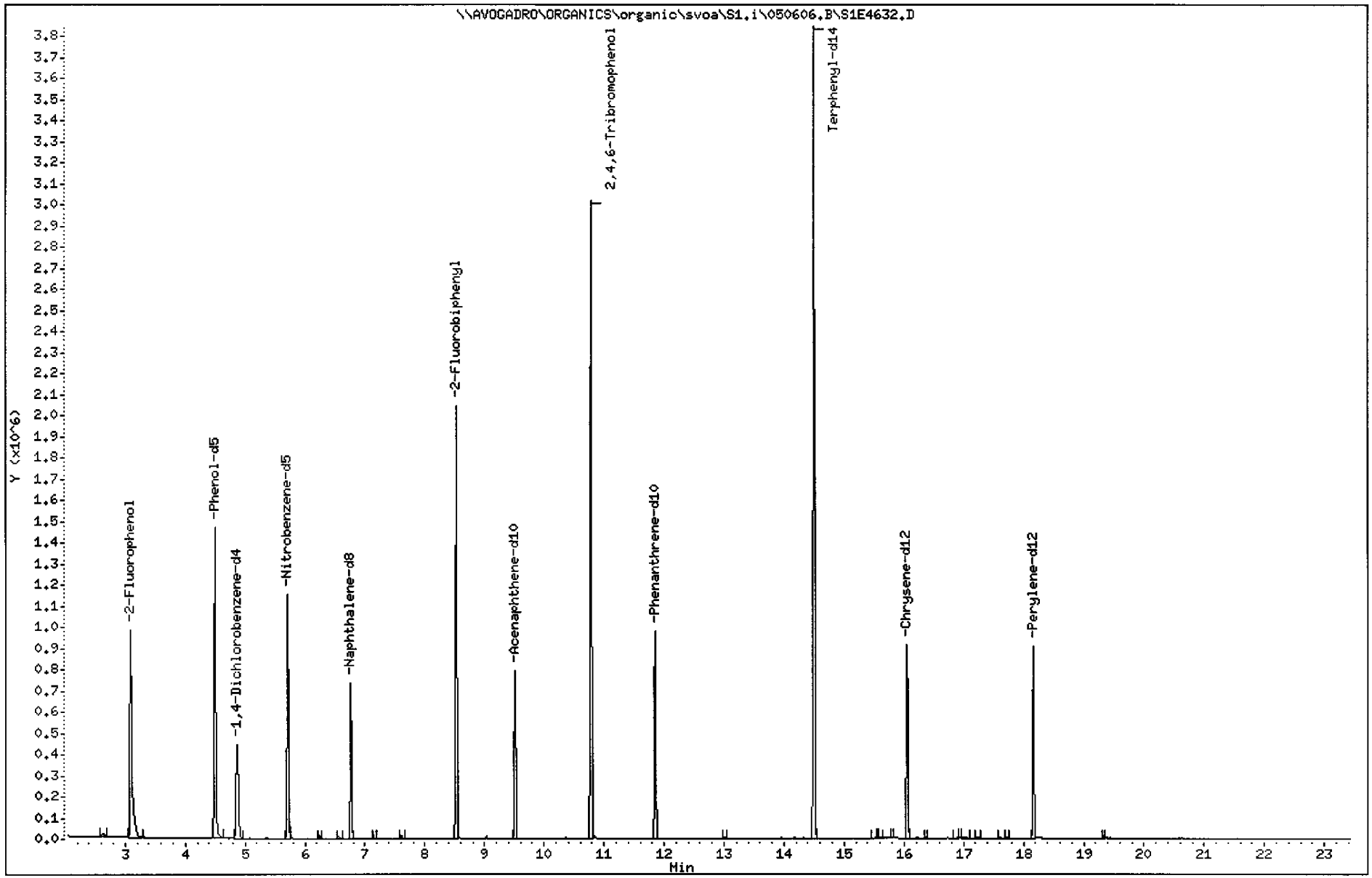
GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4632.D
Date : 06-JUN-2005 15:34
Client ID: SBLK1C
Instrument: S1.i
Sample Info: MB-18321,SBLK1C,18321
Volume Injected (uL): 2.0
Operator: AW SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



Data File: S1E4632.D
Report Date: 08-Jun-2005 15:09

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4632.D
Lab Smp Id: MB-18321 Client Smp ID: SBLK1C
Inj Date : 06-JUN-2005 15:34
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : MB-18321,SBLK1C,18321
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\s1_olm4_2_S.m
Meth Date : 06-Jun-2005 15:28 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 15:03 Cal File: S1E4631A.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$ 1 2-Fluorophenol	112	3.096	3.082	(0.635)	555060	156.166	78
$ 3 Phenol-d5	99	4.500	4.497	(0.922)	596958	159.778	80
* 8 1,4-Dichlorobenzene-d4	152	4.878	4.875	(1.000)	109736	40.0000	
$ 16 Nitrobenzene-d5	82	5.721	5.729	(0.845)	412398	100.070	50
* 23 Naphthalene-d8	136	6.769	6.777	(1.000)	408000	40.0000	
$ 33 2-Fluorobiphenyl	172	8.530	8.538	(0.896)	842344	93.2386	47
* 41 Acenaphthene-d10	164	9.524	9.521	(1.000)	259279	40.0000	
$ 53 2,4,6-Tribromophenol	330	10.788	10.796	(0.910)	615329	193.994	97(AR)
* 58 Phenanthrene-d10	188	11.857	11.865	(1.000)	464748	40.0000	
$ 65 Terphenyl-d14	244	14.504	14.501	(0.903)	1640438	155.010	78(R)
* 69 Chrysene-d12	240	16.060	16.079	(1.000)	469039	40.0000	
* 76 Perylene-d12	264	18.167	18.175	(1.000)	456732	40.0000	

06/08/05
AW

Data File: S1E4632.D
Report Date: 08-Jun-2005 15:09

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: S1E4632.D
Report Date: 08-Jun-2005 15:09

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4632.D
Lab Smp Id: MB-18321 Client Smp ID: SBLK1C
Inj Date : 06-JUN-2005 15:34
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : MB-18321,SBLK1C,18321
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\s1_olm4_2_S.m
Meth Date : 06-Jun-2005 15:28 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 15:03 Cal File: S1E4631A.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1CLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: LCS-18321

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4633

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	73	
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	65	
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	47	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	110	E
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	55	

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

S1CLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: LCS-18321

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1E4633

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

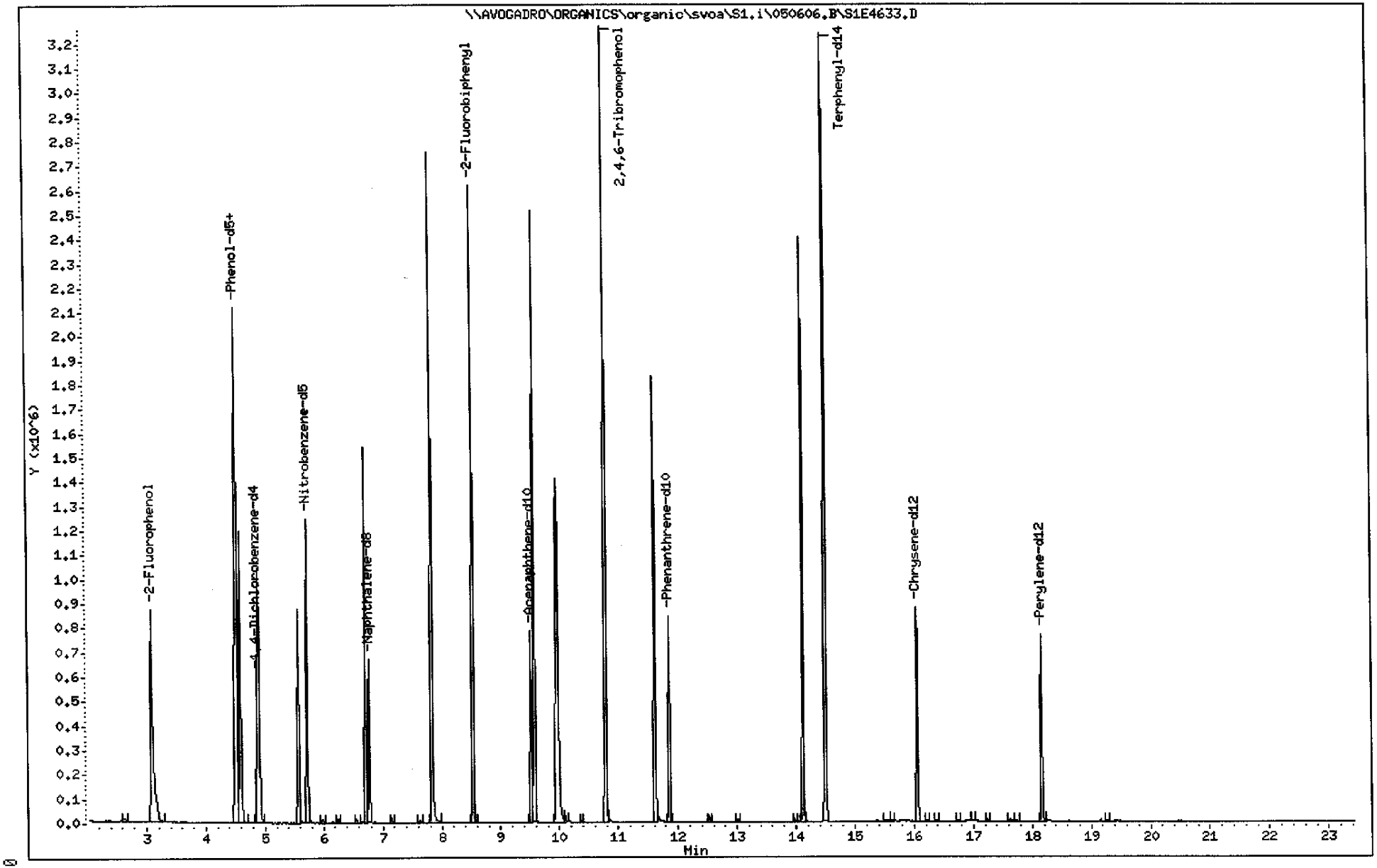
GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	89	E
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	54	
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	77	
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	74	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4633.D
Date : 06-JUN-2005 16:04
Client ID: S1CLCS
Sample Info: LCS-18321,S1CLCS,18321
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S1.i
Operator: AW SRC: LIMS
Column diameter: 0.25



Data File: S1E4633.D
Report Date: 08-Jun-2005 15:10

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4633.D
Lab Smp Id: LCS-18321 Client Smp ID: S1CLCS
Inj Date : 06-JUN-2005 16:04
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : LCS-18321,S1CLCS,18321
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\s1_olm4_2_S.m
Meth Date : 06-Jun-2005 15:28 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 15:03 Cal File: S1E4631A.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	1 2-Fluorophenol	112	3.082	3.082	(0.632)	554297	145.520	73
$	3 Phenol-d5	99	4.519	4.497	(0.927)	627901	156.819	78
	4 Phenol	94	4.530	4.519	(0.929)	549165	146.437	73
	7 2-Chlorophenol	128	4.595	4.584	(0.942)	534803	129.236	65
*	8 1,4-Dichlorobenzene-d4	152	4.876	4.875	(1.000)	117602	40.0000	(Q)
	14 N-Nitroso-di-n-propylamine	70	5.578	5.578	(1.144)	242559	94.3758	47
$	16 Nitrobenzene-d5	82	5.729	5.729	(0.845)	440840	114.374	57(R)
*	23 Naphthalene-d8	136	6.777	6.777	(1.000)	381594	40.0000	
	28 4-Chloro-3-Methylphenol	107	7.836	7.857	(1.156)	530388	212.752	110(AR)
$	33 2-Fluorobiphenyl	172	8.538	8.538	(0.897)	952041	113.579	57
*	41 Acenaphthene-d10	164	9.521	9.521	(1.000)	240565	40.0000	
	42 Acenaphthene	153	9.575	9.575	(1.006)	784500	109.281	55
	44 4-Nitrophenol	109	9.986	9.986	(1.049)	307421	177.857	89(AR)
	46 2,4-Dinitrotoluene	165	9.964	9.953	(1.047)	309151	108.031	54(R)

Data File: S1E4633.D
Report Date: 08-Jun-2005 15:10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	53 2,4,6-Tribromophenol	330	10.796	10.796	(0.910)	656899	213.557	110(AR)
	57 Pentachlorophenol	266	11.617	11.628	(0.979)	319090	154.339	77
*	58 Phenanthrene-d10	188	11.866	11.865	(1.000)	450695	40.0000	
	64 Pyrene	202	14.123	14.123	(0.880)	1725342	148.754	74(R)
$	65 Terphenyl-d14	244	14.502	14.501	(0.903)	1709704	165.430	83(AR)
*	69 Chrysene-d12	240	16.057	16.079	(1.000)	458051	40.0000	
*	76 Perylene-d12	264	18.164	18.175	(1.000)	429299	40.0000	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

06/08/05
TW

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01BMS

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: S1E4635

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	12	U
108-95-2	Phenol	90	
111-44-4	bis(2-Chloroethyl)Ether	12	U
95-57-8	2-Chlorophenol	74	
95-48-7	2-Methylphenol	12	U
108-60-1	2,2'-oxybis(1-Chloropropane)	12	U
98-86-2	Acetophenone	12	U
106-44-5	4-Methylphenol	12	U
621-64-7	N-Nitroso-di-n-propylamine	52	
67-72-1	Hexachloroethane	12	U
98-95-3	Nitrobenzene	12	U
78-59-1	Isophorone	12	U
88-75-5	2-Nitrophenol	12	U
105-67-9	2,4-Dimethylphenol	12	U
111-91-1	bis(2-Chloroethoxy)methane	12	U
120-83-2	2,4-Dichlorophenol	12	U
91-20-3	Naphthalene	12	U
106-47-8	4-Chloroaniline	12	U
87-68-3	Hexachlorobutadiene	12	U
105-60-2	Caprolactam	12	U
59-50-7	4-Chloro-3-Methylphenol	110	E
91-57-6	2-Methylnaphthalene	12	U
77-47-4	Hexachlorocyclopentadiene	12	U
88-06-2	2,4,6-Trichlorophenol	12	U
95-95-4	2,4,5-Trichlorophenol	29	U
92-52-4	1,1'-Biphenyl	12	U
91-58-7	2-Chloronaphthalene	12	U
88-74-4	2-Nitroaniline	29	U
131-11-3	Dimethylphthalate	12	U
606-20-2	2,6-Dinitrotoluene	12	U
208-96-8	Acenaphthylene	12	U
99-09-2	3-Nitroaniline	29	U
83-32-9	Acenaphthene	62	

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-01MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01BMS

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: S1E4635

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

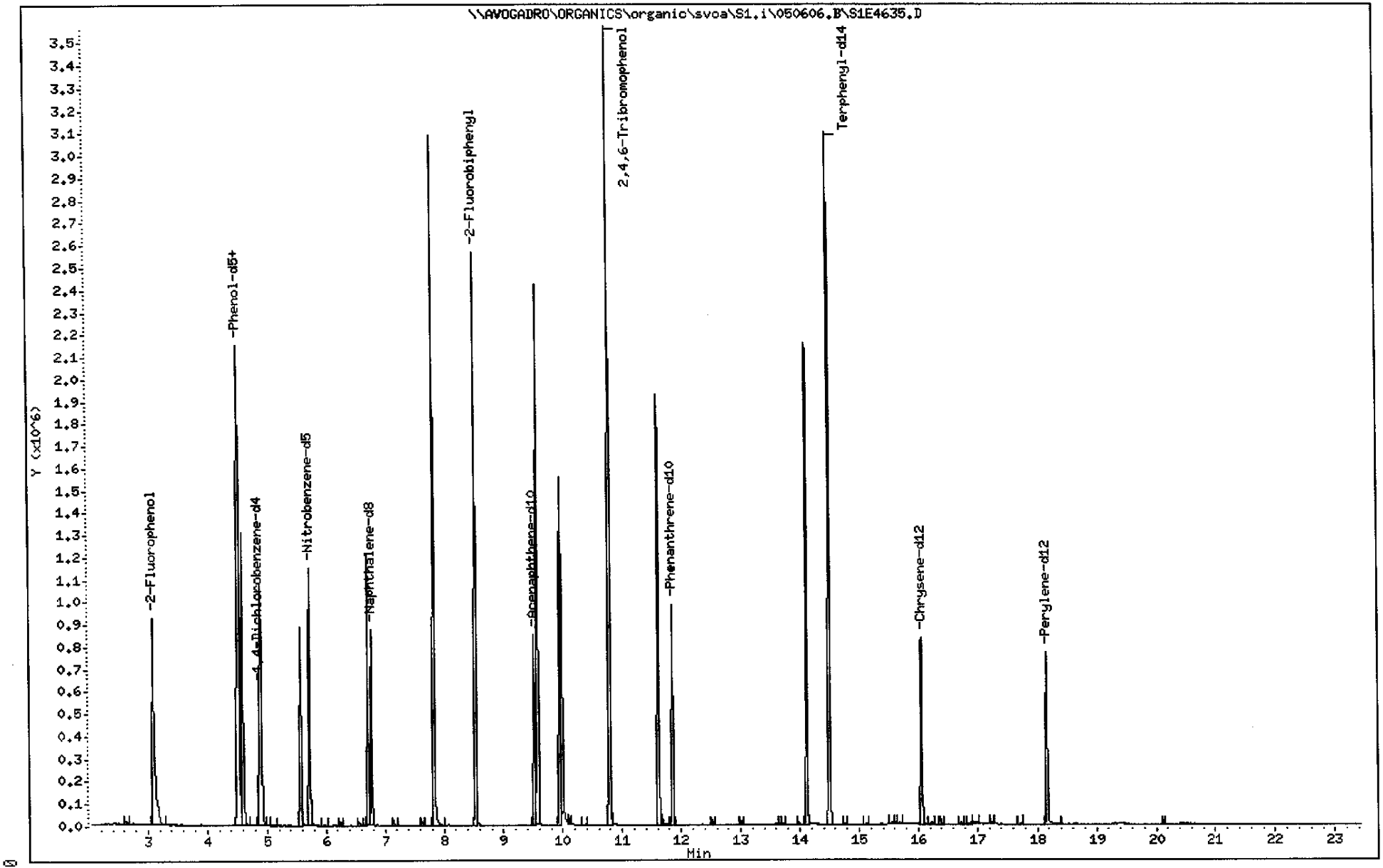
GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	29	U
100-02-7	4-Nitrophenol	110	E
132-64-9	Dibenzofuran	12	U
121-14-2	2,4-Dinitrotoluene	56	
84-66-2	Diethylphthalate	12	U
86-73-7	Fluorene	12	U
7005-72-3	4-Chlorophenyl-phenylether	12	U
100-01-6	4-Nitroaniline	29	U
534-52-1	4,6-Dinitro-2-methylphenol	29	U
86-30-6	N-Nitrosodiphenylamine (1)	12	U
101-55-3	4-Bromophenyl-phenylether	12	U
118-74-1	Hexachlorobenzene	12	U
1912-24-9	Atrazine	12	U
87-86-5	Pentachlorophenol	100	E
85-01-8	Phenanthrene	12	U
120-12-7	Anthracene	12	U
86-74-8	Carbazole	12	U
84-74-2	Di-n-butylphthalate	12	U
206-44-0	Fluoranthene	12	U
129-00-0	Pyrene	85	
85-68-7	Butylbenzylphthalate	12	U
91-94-1	3,3'-Dichlorobenzidine	12	U
56-55-3	Benzo(a)anthracene	12	U
218-01-9	Chrysene	12	U
117-81-7	bis(2-Ethylhexyl)phthalate	12	U
117-84-0	Di-n-octylphthalate	12	U
205-99-2	Benzo(b)fluoranthene	12	U
207-08-9	Benzo(k)fluoranthene	12	U
50-32-8	Benzo(a)pyrene	12	U
193-39-5	Indeno(1,2,3-cd)pyrene	12	U
53-70-3	Dibenzo(a,h)anthracene	12	U
191-24-2	Benzo(g,h,i)perylene	12	U

(1) - Cannot be separated from Diphenylamine

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4635.D
Date : 06-JUN-2005 17:35
Client ID: MW-01MS
Sample Info: D0618-01BMS,,18321,,
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S1.i
Operator: AW SRC: LIMS
Column diameter: 0.25



0340

Data File: S1E4635.D
Report Date: 08-Jun-2005 15:30

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4635.D
Lab Smp Id: D0618-01BMS Client Smp ID: MW-01MS
Inj Date : 06-JUN-2005 17:35
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0618-01BMS,,18321,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\s1_olm4_2_S.m
Meth Date : 06-Jun-2005 15:28 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 15:03 Cal File: S1E4631A.D
Als bottle: 6 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	850.000	Volume of sample extracted (mL)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	1 2-Fluorophenol	112	3.094	3.082	(0.634)	542405	135.522	80
$	3 Phenol-d5	99	4.520	4.497	(0.927)	630608	149.890	88
	4 Phenol	94	4.530	4.519	(0.929)	601889	152.746	90
	7 2-Chlorophenol	128	4.595	4.584	(0.942)	544193	125.155	74
*	8 1,4-Dichlorobenzene-d4	152	4.876	4.875	(1.000)	123569	40.0000	(Q)
	14 N-Nitroso-di-n-propylamine	70	5.578	5.578	(1.144)	239057	88.5218	52
$	16 Nitrobenzene-d5	82	5.730	5.729	(0.845)	422258	93.7237	55
*	23 Naphthalene-d8	136	6.777	6.777	(1.000)	446042	40.0000	
	28 4-Chloro-3-Methylphenol	107	7.836	7.857	(1.156)	565460	194.047	110(AR)
$	33 2-Fluorobiphenyl	172	8.539	8.538	(0.897)	931073	105.726	62
*	41 Acenaphthene-d10	164	9.522	9.521	(1.000)	252740	40.0000	
	42 Acenaphthene	153	9.576	9.575	(1.006)	788675	104.571	62
	44 4-Nitrophenol	109	9.986	9.986	(1.049)	327618	180.411	110(AR)
	46 2,4-Dinitrotoluene	165	9.965	9.953	(1.047)	284782	94.7217	56

Data File: S1E4635.D
Report Date: 08-Jun-2005 15:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	53 2,4,6-Tribromophenol	330	10.796	10.796	(0.910)	708730	218.546	130(AR)
	57 Pentachlorophenol	266	11.628	11.628	(0.980)	383952	176.151	100(AR)
*	58 Phenanthrene-d10	188	11.866	11.865	(1.000)	475156	40.0000	
	64 Pyrene	202	14.135	14.123	(0.880)	1662069	143.873	85(R)
$	65 Terphenyl-d14	244	14.502	14.501	(0.903)	1510581	146.749	86(R)
*	69 Chrysene-d12	240	16.069	16.079	(1.000)	456223	40.0000	
*	76 Perylene-d12	264	18.164	18.175	(1.000)	434672	40.0000	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

06/09/01
AV

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01BMSD

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: S1E4636

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N)___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	12	U
108-95-2	Phenol	91	
111-44-4	bis(2-Chloroethyl)Ether	12	U
95-57-8	2-Chlorophenol	79	
95-48-7	2-Methylphenol	12	U
108-60-1	2,2'-oxybis(1-Chloropropane)	12	U
98-86-2	Acetophenone	12	U
106-44-5	4-Methylphenol	12	U
621-64-7	N-Nitroso-di-n-propylamine	53	
67-72-1	Hexachloroethane	12	U
98-95-3	Nitrobenzene	12	U
78-59-1	Isophorone	12	U
88-75-5	2-Nitrophenol	12	U
105-67-9	2,4-Dimethylphenol	12	U
111-91-1	bis(2-Chloroethoxy)methane	12	U
120-83-2	2,4-Dichlorophenol	12	U
91-20-3	Naphthalene	12	U
106-47-8	4-Chloroaniline	12	U
87-68-3	Hexachlorobutadiene	12	U
105-60-2	Caprolactam	12	U
59-50-7	4-Chloro-3-Methylphenol	120	E
91-57-6	2-Methylnaphthalene	12	U
77-47-4	Hexachlorocyclopentadiene	12	U
88-06-2	2,4,6-Trichlorophenol	12	U
95-95-4	2,4,5-Trichlorophenol	29	U
92-52-4	1,1'-Biphenyl	12	U
91-58-7	2-Chloronaphthalene	12	U
88-74-4	2-Nitroaniline	29	U
131-11-3	Dimethylphthalate	12	U
606-20-2	2,6-Dinitrotoluene	12	U
208-96-8	Acenaphthylene	12	U
99-09-2	3-Nitroaniline	29	U
83-32-9	Acenaphthene	62	

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-01MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01BMSD

Sample wt/vol: 850.0 (g/mL) ML Lab File ID: S1E4636

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 05/31/05

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

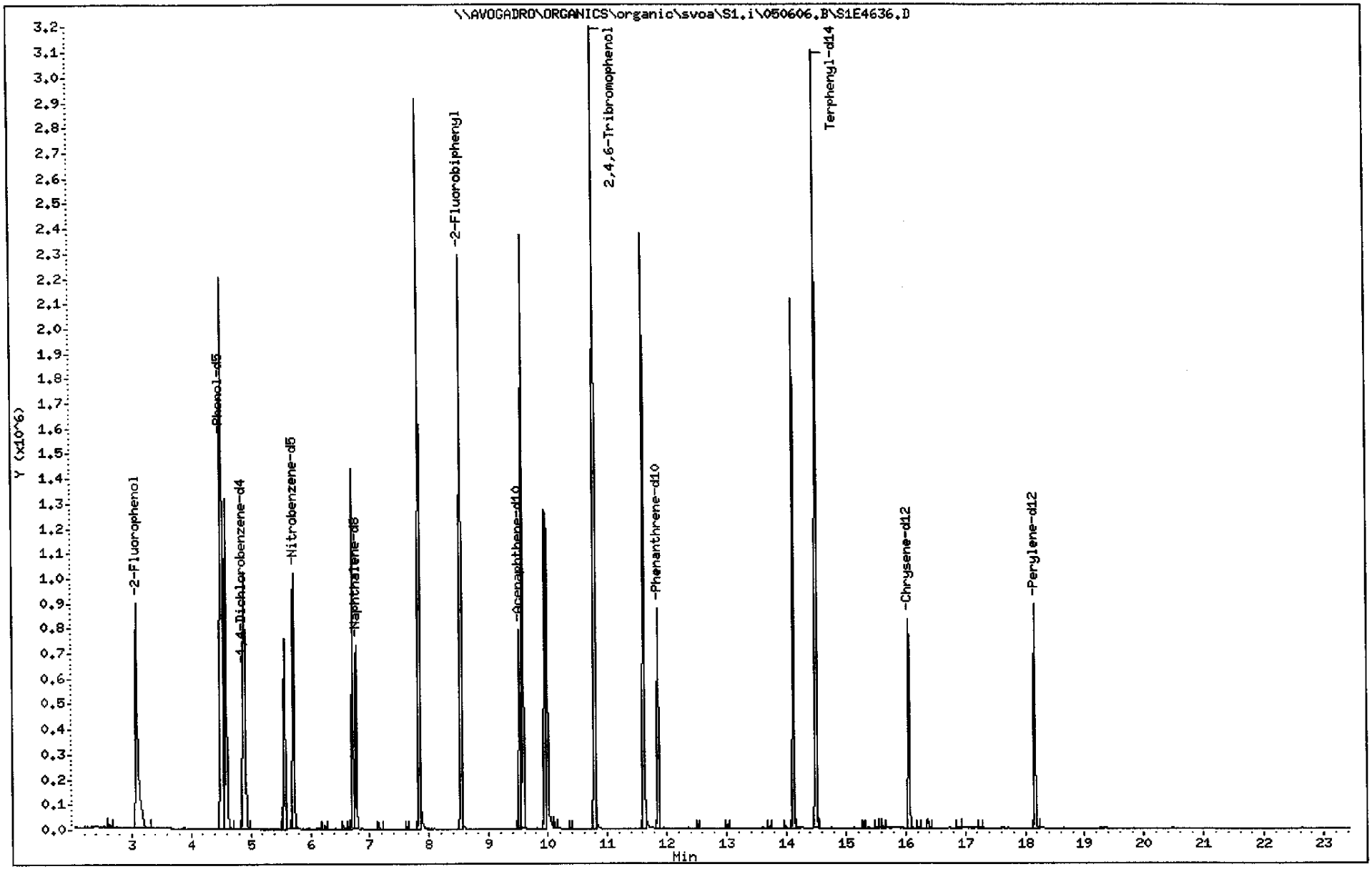
GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	29	U
100-02-7	4-Nitrophenol	110	E
132-64-9	Dibenzofuran	12	U
121-14-2	2,4-Dinitrotoluene	62	
84-66-2	Diethylphthalate	12	U
86-73-7	Fluorene	12	U
7005-72-3	4-Chlorophenyl-phenylether	12	U
100-01-6	4-Nitroaniline	29	U
534-52-1	4,6-Dinitro-2-methylphenol	29	U
86-30-6	N-Nitrosodiphenylamine (1)	12	U
101-55-3	4-Bromophenyl-phenylether	12	U
118-74-1	Hexachlorobenzene	12	U
1912-24-9	Atrazine	12	U
87-86-5	Pentachlorophenol	120	E
85-01-8	Phenanthrene	12	U
120-12-7	Anthracene	12	U
86-74-8	Carbazole	12	U
84-74-2	Di-n-butylphthalate	12	U
206-44-0	Fluoranthene	12	U
129-00-0	Pyrene	83	
85-68-7	Butylbenzylphthalate	12	U
91-94-1	3,3'-Dichlorobenzidine	12	U
56-55-3	Benzo(a)anthracene	12	U
218-01-9	Chrysene	12	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	J
117-84-0	Di-n-octylphthalate	12	U
205-99-2	Benzo(b)fluoranthene	12	U
207-08-9	Benzo(k)fluoranthene	12	U
50-32-8	Benzo(a)pyrene	12	U
193-39-5	Indeno(1,2,3-cd)pyrene	12	U
53-70-3	Dibenzo(a,h)anthracene	12	U
191-24-2	Benzo(g,h,i)perylene	12	U

(1) - Cannot be separated from Diphenylamine

Data File: \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4636.D
Date : 06-JUN-2005 18:06
Client ID: MW-01MSD
Sample Info: D0618-01BMSD,,18321,,
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S1.i
Operator: AW SRC: LIMS
Column diameter: 0.25



Data File: S1E4636.D
Report Date: 08-Jun-2005 15:31

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\S1E4636.D
Lab Smp Id: D0618-01BMSD Client Smp ID: MW-01MSD
Inj Date : 06-JUN-2005 18:06
Operator : AW SRC: LIMS Inst ID: S1.i
Smp Info : D0618-01BMSD,,18321,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\S1.i\050606.B\s1_olm4_2_S.m
Meth Date : 06-Jun-2005 15:28 mtl Quant Type: ISTD
Cal Date : 06-JUN-2005 15:03 Cal File: S1E4631A.D
Als bottle: 7 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.03
Processing Host: TARGET11

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	850.000	Volume of sample extracted (mL)

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	1	2-Fluorophenol	112	3.086	3.082	(0.632)	554084	147.779	87
$	3	Phenol-d5	99	4.512	4.497	(0.925)	638358	161.967	95(A)
	4	Phenol	94	4.533	4.519	(0.929)	571011	154.685	91
	7	2-Chlorophenol	128	4.587	4.584	(0.940)	547724	134.465	79
*	8	1,4-Dichlorobenzene-d4	152	4.879	4.875	(1.000)	115760	40.0000	(Q)
	14	N-Nitroso-di-n-propylamine	70	5.570	5.578	(1.142)	228211	90.2062	53
$	16	Nitrobenzene-d5	82	5.732	5.729	(0.845)	421331	94.2829	55
*	23	Naphthalene-d8	136	6.780	6.777	(1.000)	442423	40.0000	
	28	4-Chloro-3-Methylphenol	107	7.839	7.857	(1.156)	584782	202.319	120(AR)
$	33	2-Fluorobiphenyl	172	8.541	8.538	(0.897)	975373	119.280	70(R)
*	41	Acenaphthene-d10	164	9.524	9.521	(1.000)	234680	40.0000	
	42	Acenaphthene	153	9.579	9.575	(1.006)	736971	105.235	62
	44	4-Nitrophenol	109	9.989	9.986	(1.049)	317281	188.165	110(AR)
	46	2,4-Dinitrotoluene	165	9.957	9.953	(1.045)	296505	106.210	62(R)

Data File: S1E4636.D
Report Date: 08-Jun-2005 15:31

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	53 2,4,6-Tribromophenol	330	10.799	10.796	(0.910)	690290	215.835	130(AR)
	57 Pentachlorophenol	266	11.620	11.628	(0.979)	444538	206.798	120(AR)
*	58 Phenanthrene-d10	188	11.869	11.865	(1.000)	468606	40.0000	
	64 Pyrene	202	14.127	14.123	(0.880)	1578330	141.146	83(R)
$	65 Terphenyl-d14	244	14.505	14.501	(0.903)	1339895	134.475	79
*	69 Chrysene-d12	240	16.061	16.079	(1.000)	441610	40.0000	
	71 bis(2-Ethylhexyl)phthalate	149	16.374	16.381	(1.020)	20145	2.35681	1(a)
*	76 Perylene-d12	264	18.167	18.175	(1.000)	453894	40.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

06/08/05
KW

Sample Receiving Logbook

Workorder No. D0618

Client Name: Day

Date Recv'd 5/27/05 **Sample #s** 01-10 **Storage Locations:** VOA

Date Recv'd 5/27/05 **Sample #s** 01,05,06,07,08,09 **Storage Locations:** J1, M3

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

OUT		IN	
Relinquished By	**Received By**	**Relinquished By**	**Received By**
Date: 05/31/05 Init: JS	Date: 05/31/05 Init: [illegible]	Date: 05/31/05 Init: JS	Date: Init:
Samp. #s 01, 05, 06, 07, 08, 09 3		temp empty.	
Date: 05/31/05 Init: JS	Date: 05/31/05 Init: KG	Date: 05/31/05 Init: KG	Date: 05/31/05 Init: JS
Samp. #s 01, 05, 06, 09		empty	
Date: 6/2/05 Init: KB	Date: 6/2/05 Init: SW	Date: 6/1/05 Init: SW	Date: 6/1/05 Init: KB
Samp. #s 1, 5, 6, 9		1, 5, 6, 9	
Date: 6/6/05 Init: KB	Date: 6/6/05 Init: SW	Date: 6/6/05 Init: SW	Date: 6/6/05 Init: KB
Samp. #s 1, 5, 6, 9		1, 5, 6, 9	
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			

Comments: _____

Please record analyst's initials, date, and sample #s removed. Add any comments if necessary (broken bottles, empty jars, etc.)

Logbook ID: 30.0287-04/05 **Reviewed:** SDL 6/10/05

MITKEM CORPORATION: ORGANIC PREP - CLP Semvolatiles

Date 05/31/05	Analysis OLM SVOA	Method & SOP #	AQ: 3510C(SepF) (3520C(Liq/Liq)) Other:_____ Soil: 3540C(Soxhlet) 3550B(Sonic)				Sample (Aqueous) Soil Matrix Other:		Project(s) 00618			
Blank ID MB-18321	LCS ID LCS-18321	Analyst: KG	Spiker: KG	Witness: MM	Solvent Lot # B11E23 Hex		Acid Lot #		Time Started: 9:40 Time Ended: 13:00		GPC Batch #	
Lab ID	Client ID	Wt/Vol Extracted	Surrogate Added	*Matrix Spike Added	Initial pH	KD prior to GPC Date/Analyst	Vol. pre GPC	GPC Date/Analyst	KD after GPC Date/Analyst		Final Vol.	Date Ext. Trans.
MB-18321		1000 ml	OW050512A 500 µl	—	<2						1 ml	06-06-05
LCS-18321		1000 ml		OW050301B 500 µl	<2							
00618-	01B	900 ml		—	<2			KG				
	MS 01B	850 ml		OW050301B 500 µl	<2							
	MSD 01B	850 ml		OW050301B 500 µl	<2							
	05B	1000 ml		—	<2							
	06B	1000 ml		—	<2						1 ml	06-06-05
00618	09B	1000 ml	OW050512A 500 µl	—	<2							

05/31/05 KG

Comments

Sodium Sulfate Lot #: OWR 050602B

Water Bath Temperature:

Sonicator Tuned: Yes / (No)

Reviewed By: SBL 6/10/05

Logbook ID: 50.0173-03/05

0249

MITKEM CORPORATION EXTRACT TRANSFER LOGBOOK: SEMIVOLATILE ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred By	Received By	Storage Location	Comments
6/6/05	D0609	01A MS	MM	JS	R4	
		01A MSD		✓		
		02A		✓		
		03A		✓		
		07A		✓		
		10A		✓		
		11A		✓		
		15A		✓		
	↓	16A		✓		
	D0609	17A		✓		
	D0623	06A	↓	✓	↓	
6/6/05	D0623	07A	MM	JS	R4	
6/6/05	MB 18375		MM	AW	R7	
	LCS 18375		↓	✓		
	D0607	01A		✓		
		02A		✓		
		02A MS		✓		
		02A MSD		✓		
		03A		✓		
		04A		✓		
	↓	07A	↓	✓	↓	
6/6/05	D0607	08A	MM	✓	R7	
06/06/05	MB-18321		KG	AJ	R7	
	LCS-18321		↓	✓		
	D0618	01B		✓		
		MS 01B		✓		
		MSD 01B		✓		
		05B		✓		
	↓	06B	↓	✓		
06/06/05	D0618	09B	KG	✓		
06/06/05	MB-18322		KG	✓		
↓	LCS-18322		↓	✓		
	LCSD-18322		↓	✓ ↓	↓	
06/06/05	D0622	01B	KG	✓ AJ	R7	

Logbook ID 70.0141-04/05

Reviewed By: SBL 6/10/05

Instrument S1
Injection Log

Mitkem Corporation
SemiVolatiles Laboratory

METHOD: OLM4.3
INITIAL CAL: 05/31/05

STD ID: SW050516A-true
L1 - SW050516D
L2 - SW050527A
L3 - SW050516E
L4 - SW050516F
L5 - SW050516C

ANALYST: AW
EMV: 2247
DATE: 05/31/05
DATE PRINTED:
DATE LOADED:

COMMENTS:

AS #	FILE		MITKEM ID		CLIENT ID	METHOD	DIL	COMMENTS	IS	SS
	S1E45	90A	DFTPP	1B	DFTPP1B	DFTUP	—	14:53 ok		
		91A	SSTD050	1B	SSTD0501B	CUP	—			
		92A	SSTD160	1B	SSTD1601B		—			
		93A	SSTD020	1B	SSTD0201B		—	Don't use		
		93	SSTD020	1B	SSTD0201B		—	ICAL		
		94A	SSTD080	1B	SSTD0801B		—	OLM		
		95A	SSTD120	1B	SSTD1201B		—			
	S1E45	96A	ICV		ICV	CUP	—			

06/a/05 AW

Daily Maintenance	
Gold Seal	new
Liner	new
Clipped Column	Y3
Ferrule	—

Comments:

Logbook ID 70.0167-02/05

Reviewed By: SBL 6/10/05

Page #: 091

0351

Instrument S1
Injection Log

Mitkem Corporation
SemiVolatiles Laboratory

METHOD: OLM 4.3
INITIAL CAL.: 05/31/05

STD ID: SW050516A-tune
L2-SW050606C

ANALYST: AW
EMV: 2247
DATE: 06/06/05

COMMENTS: IS-SP050525A

DATE PRINTED:
DATE LOADED:

AS #	FILE		MITKEM ID		CLIENT ID	METHOD	DIL	COMMENTS	IS	SS
	SIE46	30	DFTPP	1F	DFTPP1F	DFTCLP	—	14:R OK		
		31	SSTD050	1F	SSTD050 1F	CLP	—	Don't use		
		31A	SSTD050	1F	SSTD050 1F		—	OK	✓	
		32	MB-183	21	SBLKIC		—	2SS absent	✓	2↑
		33	LCS-183	21	SICLCS		—	4spikes out 2SS absent	✓	3↑
		32A	MB-183	21	SBLKIC	Don't use	—	2SS absent	✓	2↑
		34	D0618 -	01B	MW-01		—	1SS absent ~~OK~~	✓	1↑
		35	-	MS 01B	MW-01MS		—	4spikes out 2SS absent	✓	2↑
		36	-	MSD 01B	MW-01MSD		—	5spikes out 2SS absent	✓	2↑
		37	-	05B	MW-06		—	2SS absent	✓	3↑
		38	-	06B	MW-07		—	2SS absent	✓	4↑
	SIE46	39	D0618 -	09B	RIN-3	CLP	—	2SS absent	✓	2↑

AJ 06/07/05

Daily Maintenance	
Gold Seal	clean
Liner	clean
Clipped Column	yes
Ferrule	—

Comments:

Logbook ID 70.0167-02/05

Reviewed By: SBL 6/10/05

Page #: 094

0352

MITKEM CORPORATION

* Pesticide / PCB Organics *

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTIII ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK4B	86	87	69	73			0
02	P4BLCS	88	90	73	76			0
03	MW-01	88	90	38	40			0
04	MW-06	91	92	54	57			0
05	MW-07	88	86	44	46			0
06	RIN-3	93	96	58	58			0
07	MW-01MS	90	90	40	41			0
08	MW-01MSD	91	92	35	37			0
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
(TCX) = Tetrachloro-m-xylene	(30-150)
(DCB) = Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix Spike - EPA Sample No.: MW-01

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	0.50	0.00	0.43	86	56-123
Heptachlor	0.50	0.00	0.48	96	40-131
Aldrin	0.50	0.00	0.48	96	40-120
Dieldrin	1.0	0.00	0.93	93	52-126
Endrin	1.0	0.00	1.0	100	56-121
4,4'-DDT	1.0	0.00	0.91	91	38-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	0.50	0.43	86	0	15	56-123
Heptachlor	0.50	0.49	98	2	20	40-131
Aldrin	0.50	0.49	98	2	22	40-120
Dieldrin	1.0	0.93	93	0	18	52-126
Endrin	1.0	1.0	100	0	21	56-121
4,4'-DDT	1.0	0.93	93	2	27	38-127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

FORM 3
WATER PESTICIDE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix Spike - Sample No.: P4BLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	0.50		0.41	82	56-123
Heptachlor	0.50		0.47	94	40-131
Aldrin	0.50		0.48	96	40-120
Dieldrin	1.0		0.89	89	52-126
Endrin	1.0		0.99	99	56-121
4,4'-DDT	1.0		0.87	87	38-127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

_____

4C

EPA SAMPLE NO.

PESTICIDE METHOD BLANK SUMMARY

PBLK4B

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab Sample ID: MB-18317 Lab File ID: E4C6599F

Matrix (soil/water) WATER Extraction:(Type) SEPF

Sulfur Cleanup (Y/N) Y Date Extracted: 05/31/05

Date Analyzed (1): 06/02/05 Date Analyzed (2): 06/02/05

Time Analyzed (1): 1214 Time Analyzed (2): 1214

Instrument ID (1): E4 Instrument ID (2): E4

GC Column (1): CLPPEST ID: 0.53(mm) GC Column (2): CLPPESTII ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	P4BLCS	LCS-18317	06/02/05	06/02/05
02	MW-01	D0618-01B	06/02/05	06/02/05
03	MW-06	D0618-05B	06/02/05	06/02/05
04	MW-07	D0618-06B	06/02/05	06/02/05
05	RIN-3	D0618-09B	06/02/05	06/02/05
06	MW-01MS	D0618-01BMS	06/02/05	06/02/05
07	MW-01MSD	D0618-01BMSD	06/02/05	06/02/05
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6601F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/27/05

Extraction: (Type) SEPF Date Extracted: 05/31/05

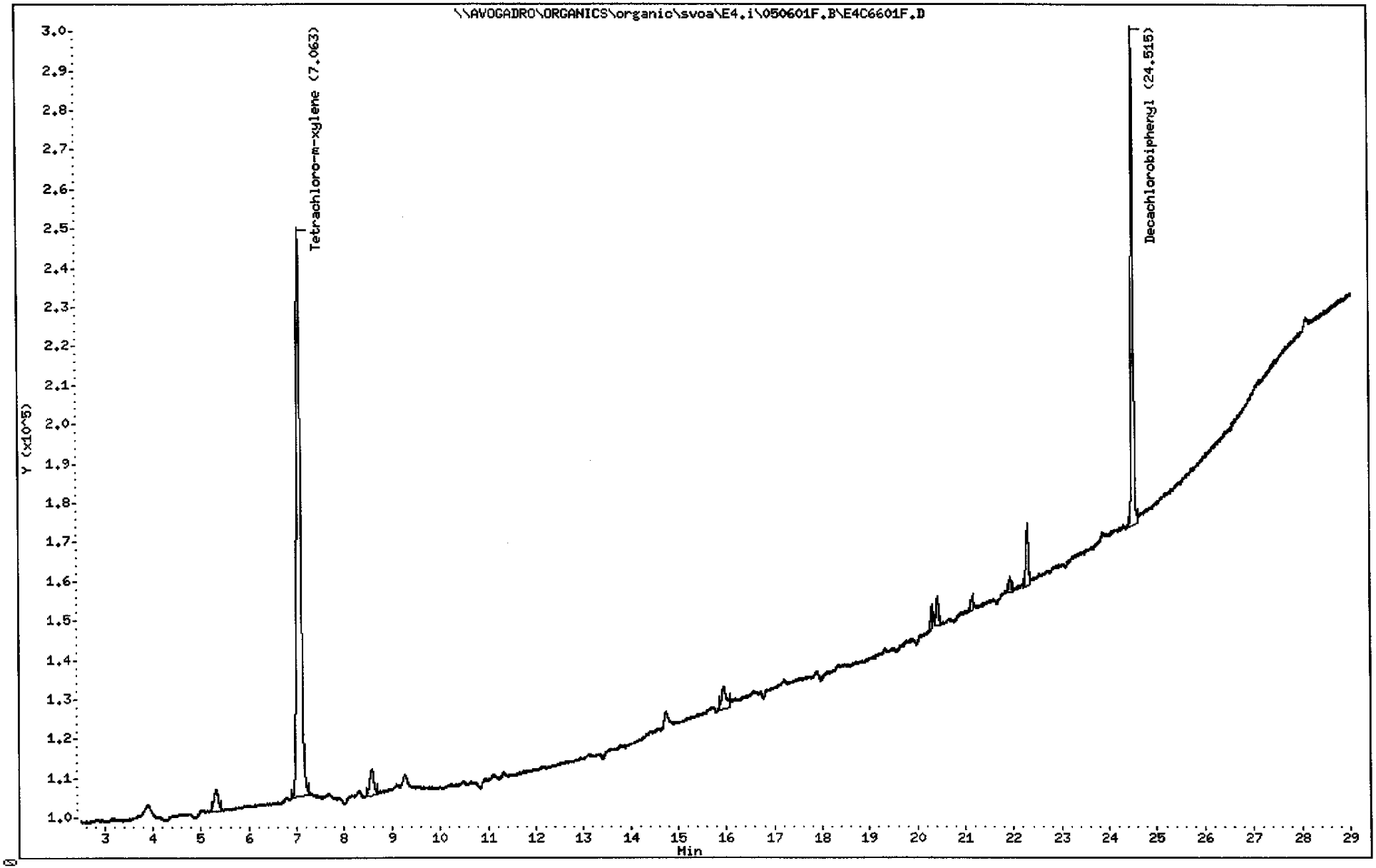
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

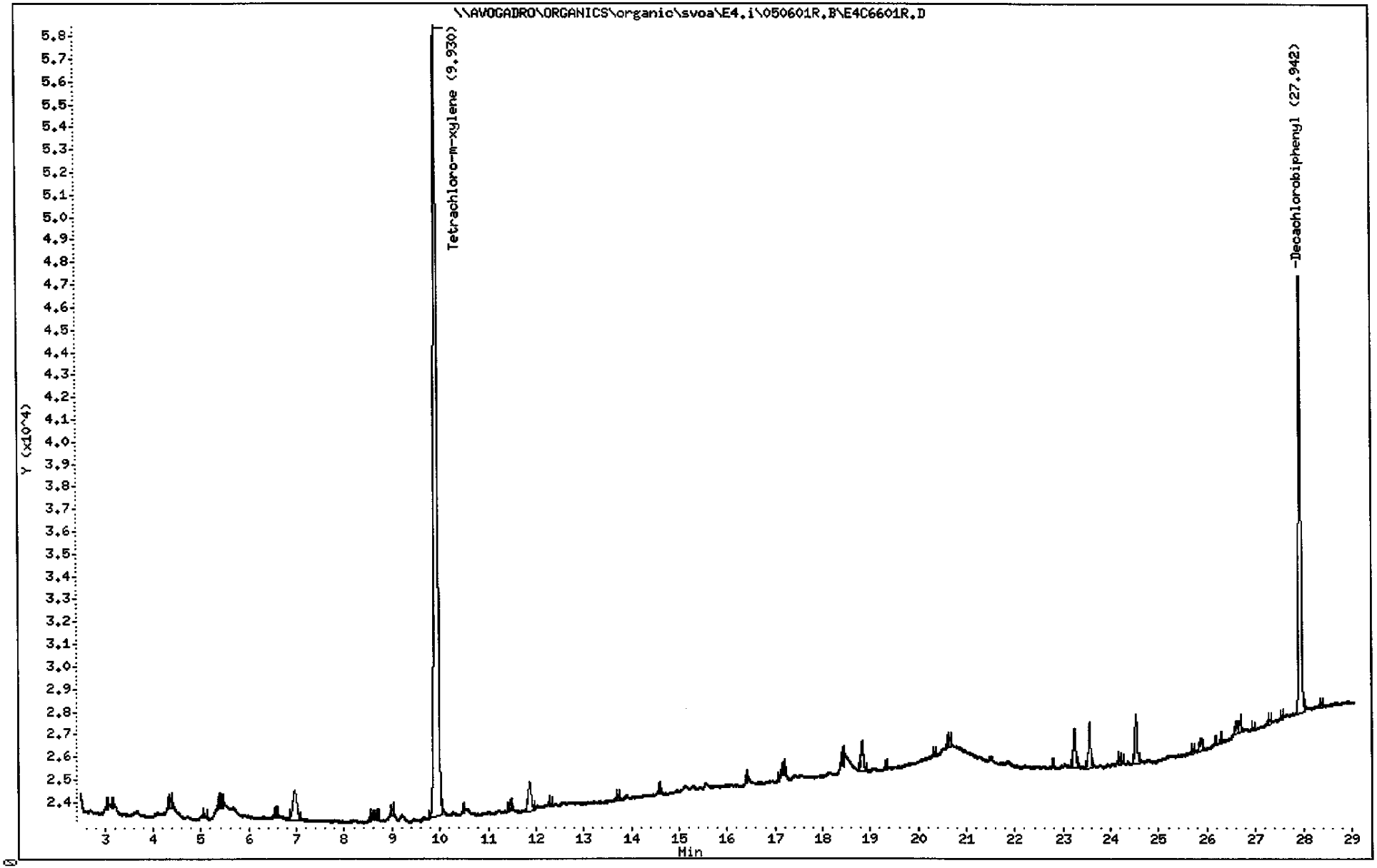
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6601F.D
Date : 02-JUN-2005 13:27
Client ID: MW-01
Instrument: E4.i
Sample Info: D0618-01B,,18317,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



0359

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6601R.D
Date : 02-JUN-2005 13:27
Client ID: MW-01
Instrument: E4.i
Sample Info: D0618-01B,,18317,clp.sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



0360

Data File: E4C6601F.D
Report Date: 09-Jun-2005 10:58

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6601F.D
Lab Smp Id: D0618-01B Client Smp ID: MW-01
Inj Date : 02-JUN-2005 13:27
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0618-01B,,18317,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 07-Jun-2005 11:30 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.06	0.000	881676	0.01754	0.18		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	398364	0.00765	0.077		

SL 06/09/05

Data File: E4C6601R.D
Report Date: 09-Jun-2005 10:59

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6601R.D
Lab Smp Id: D0618-01B Client Smp ID: MW-01
Inj Date : 02-JUN-2005 13:27
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0618-01B,,18317,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 07-Jun-2005 11:28 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.93	9.92	0.010	175894	0.01794	0.18		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
27.9	27.9	0.000	64861	0.00794	0.079		

sz 06/09/05

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

MW-06

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6602F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/27/05

Extraction: (Type) SEPF Date Extracted: 05/31/05

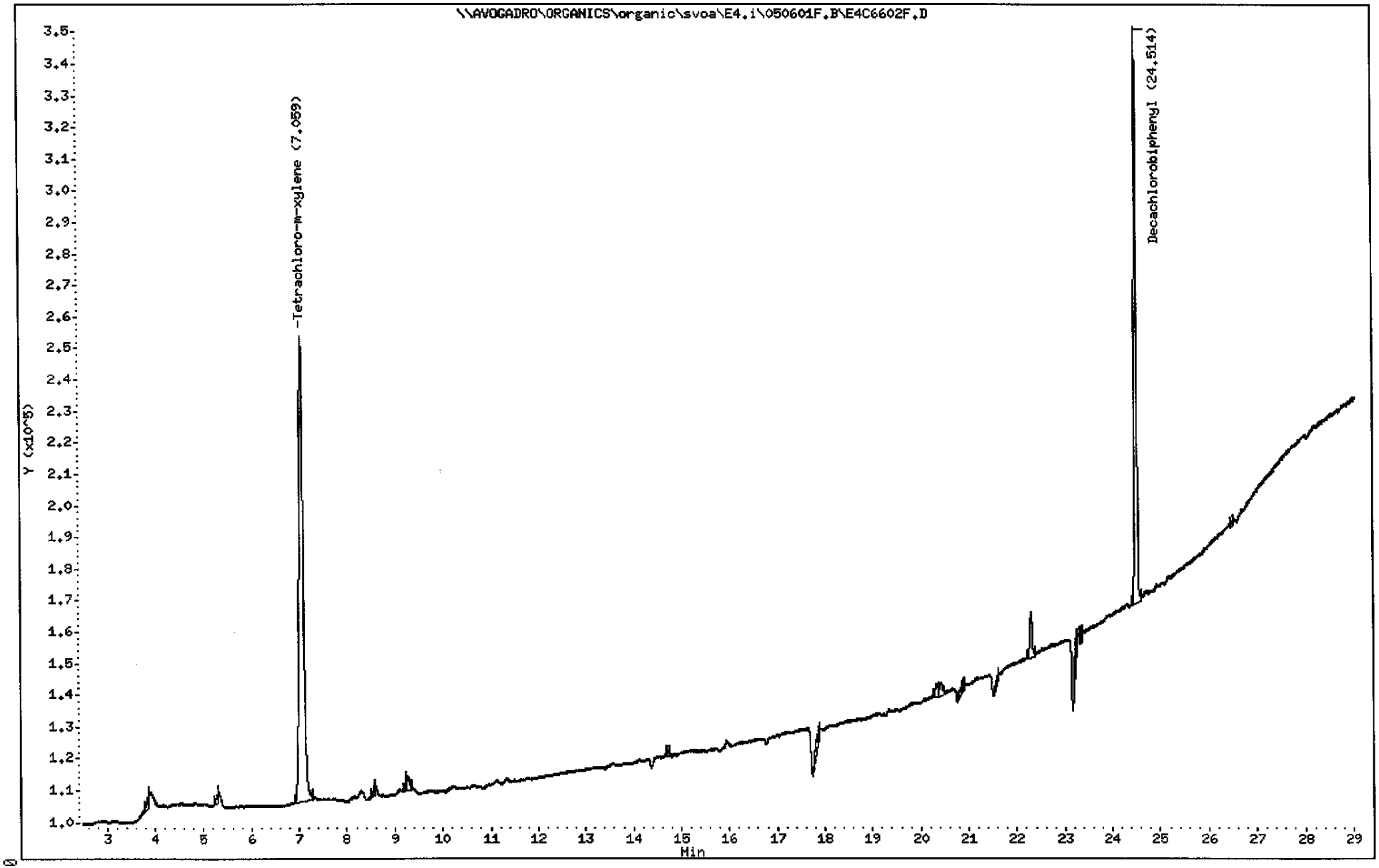
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

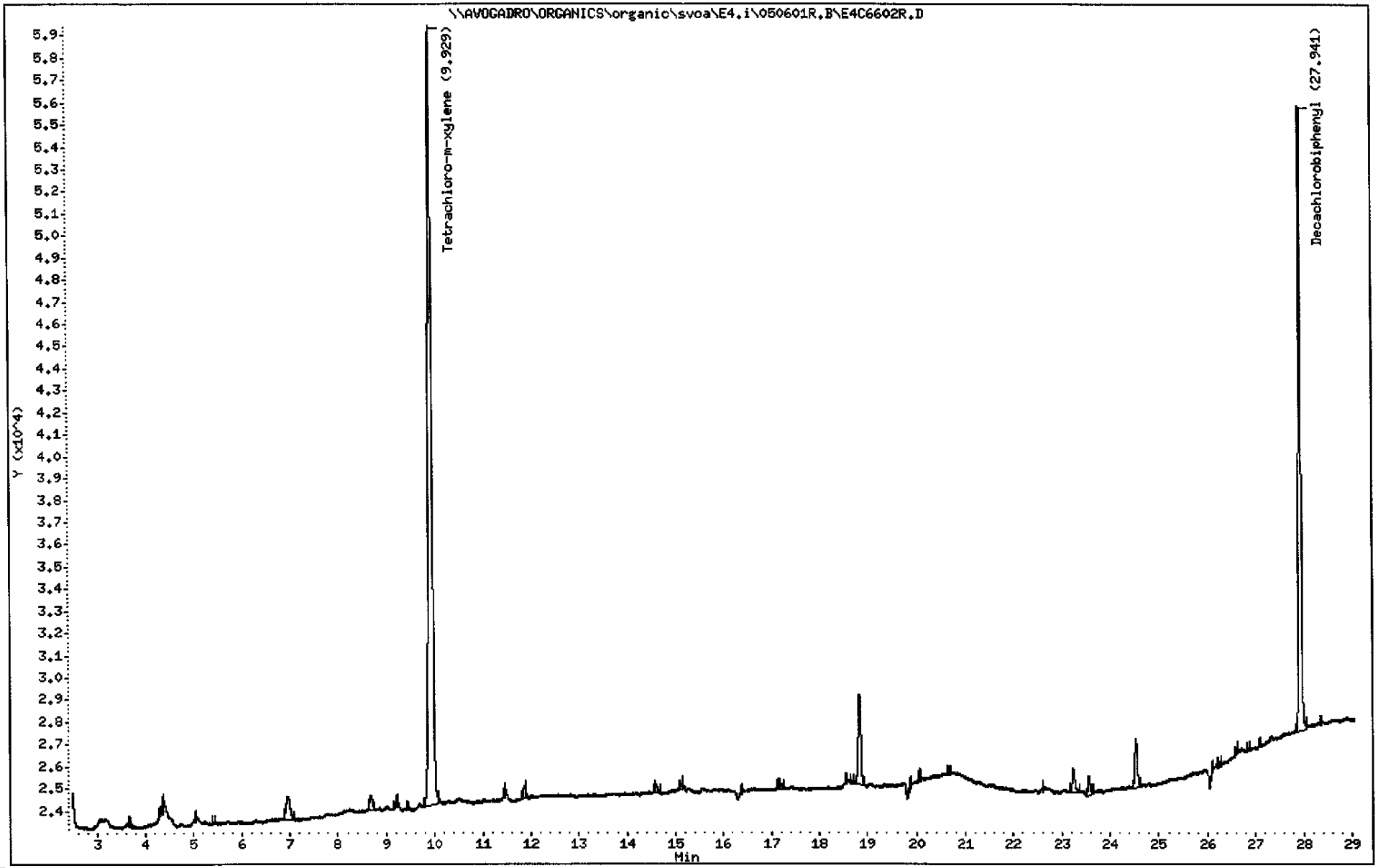
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6602F.D
Date : 02-JUN-2005 14:03
Client ID: MW-06
Instrument: E4.i
Sample Info: D0618-05B,,18317,clp.sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



0364

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6602R.D
Date : 02-JUN-2005 14:03
Client ID: MW-06
Instrument: E4.i
Sample Info: D0618-05B,,18317,clp.sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



0265

Data File: E4C6602F.D
Report Date: 09-Jun-2005 10:58

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6602F.D
Lab Smp Id: D0618-05B Client Smp ID: MW-06
Inj Date : 02-JUN-2005 14:03
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0618-05B,,18317,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 07-Jun-2005 11:30 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.06	0.000	915867	0.01822	0.18		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	565933	0.01087	0.11		

SZ 06/09/05

Data File: E4C6602R.D
Report Date: 09-Jun-2005 10:59

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6602R.D
Lab Smp Id: D0618-05B Client Smp ID: MW-06
Inj Date : 02-JUN-2005 14:03
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0618-05B,,18317,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 07-Jun-2005 11:28 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
9.93	9.92	0.010	179904	0.01835	0.18		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
27.9	27.9	0.000	93917	0.01150	0.11		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		

SL 06/09/05

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6603F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/27/05

Extraction: (Type) SEPF Date Extracted: 05/31/05

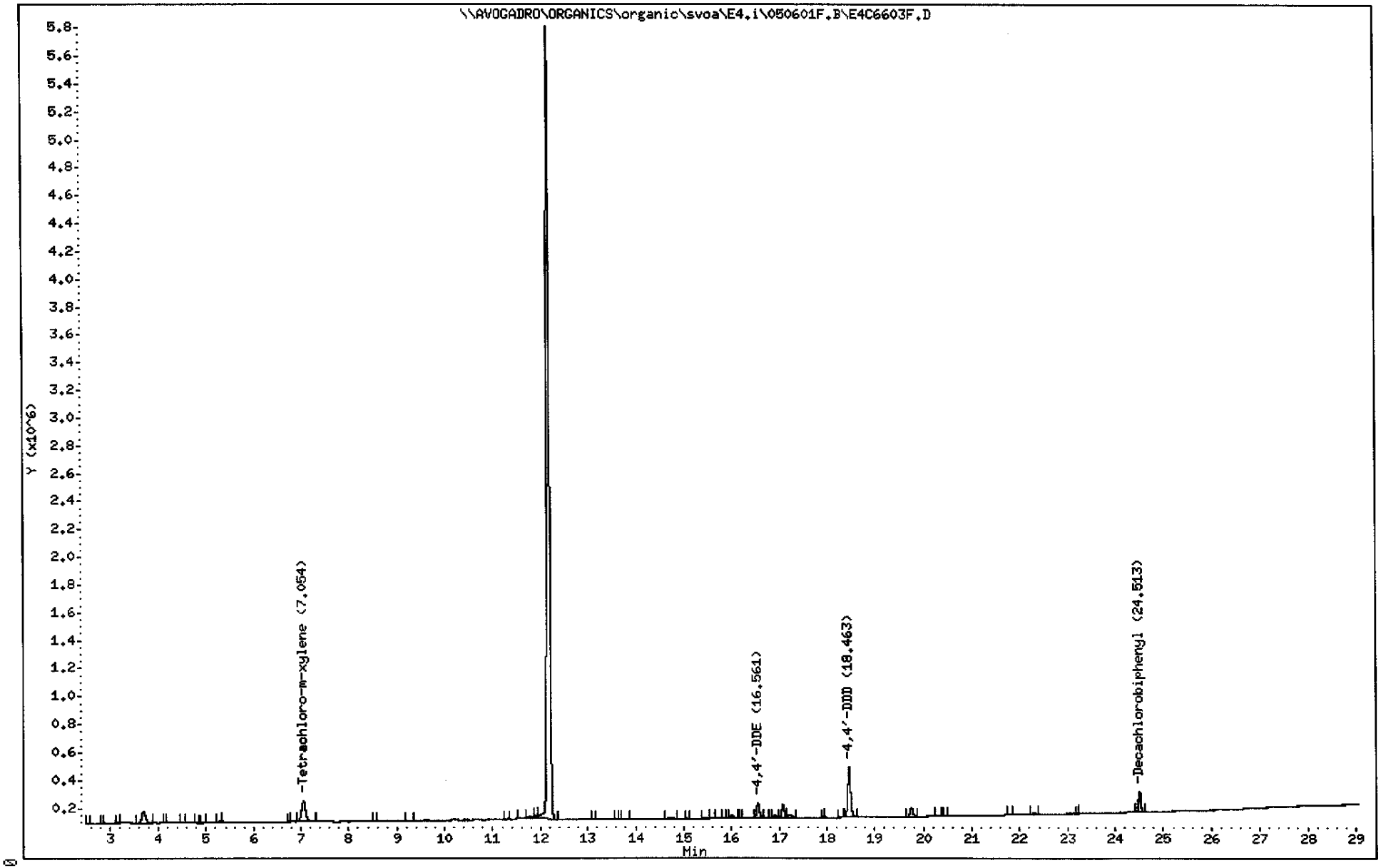
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

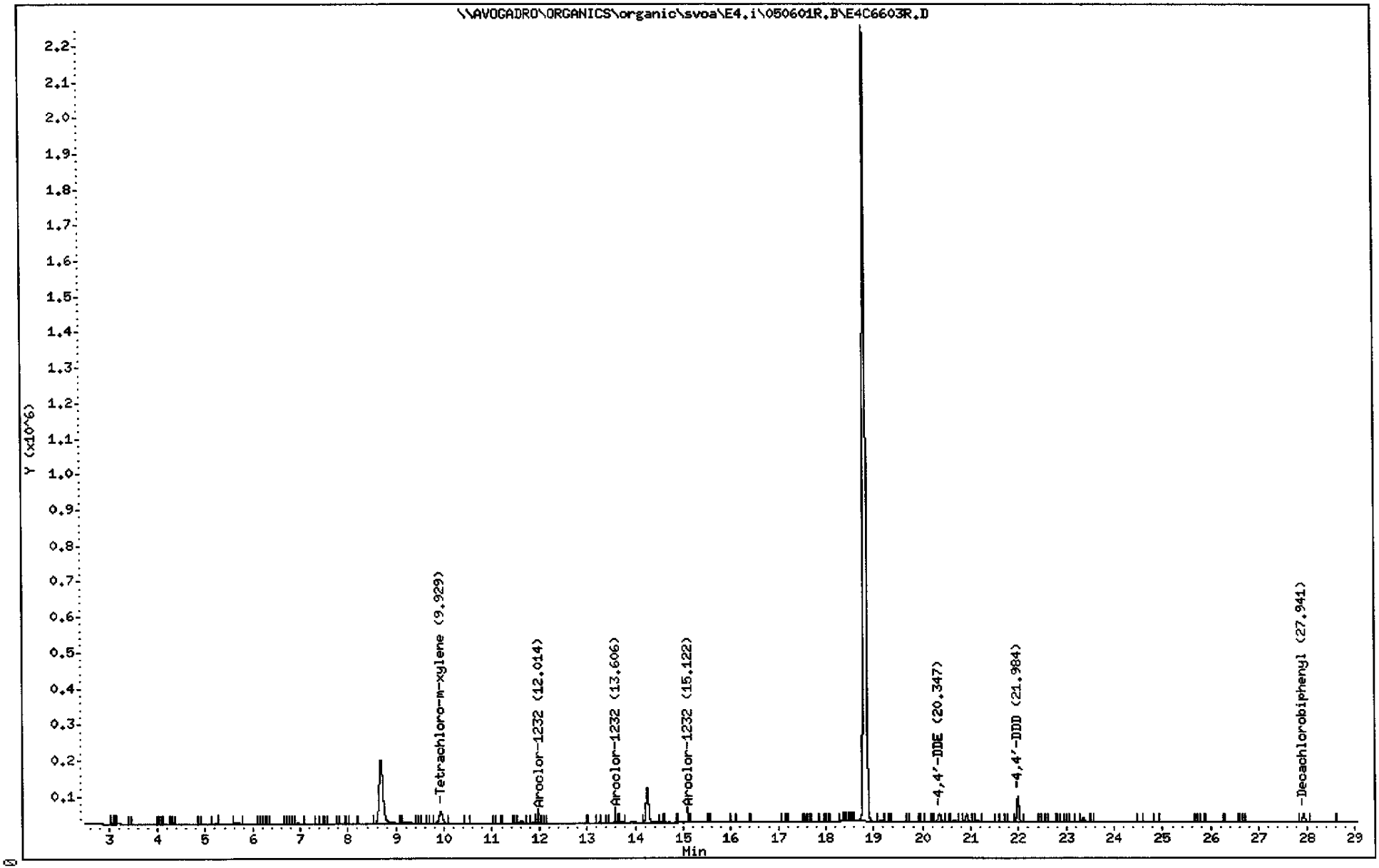
GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.065	J
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.27	
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6603F.D
Date : 02-JUN-2005 14:39
Client ID: MW-07
Instrument: E4.i
Sample Info: D0618-06B,,18317,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6603R.D
Date : 02-JUN-2005 14:39
Client ID: MW-07
Instrument: E4.i
Sample Info: D0618-06B,,18317,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



0170

Data File: E4C6603F.D
Report Date: 09-Jun-2005 10:59

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6603F.D
Lab Smp Id: D0618-06B Client Smp ID: MW-07
Inj Date : 02-JUN-2005 14:39
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0618-06B,,18317,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 07-Jun-2005 11:30 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
7.05	7.06	-0.010	883958	0.01758	0.18			
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
24.5	24.5	0.000	455475	0.00875	0.087			
13 4,4'-DDE						CAS #: 72-55-9		
16.6	16.6	0.000	451936	0.00647	0.065			(a)
16 4,4'-DDD						CAS #: 72-54-8		
18.5	18.5	0.000	1487619	0.02666	0.27			

SZ 06/09/05

Data File: E4C6603F.D
Report Date: 09-Jun-2005 10:59

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6603R.D
Report Date: 09-Jun-2005 10:59

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6603R.D
Lab Smp Id: D0618-06B Client Smp ID: MW-07
Inj Date : 02-JUN-2005 14:39
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0618-06B,,18317,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 07-Jun-2005 11:28 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
9.93	9.92	0.010	168967	0.01723	0.17			
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
27.9	27.9	0.000	74465	0.00912	0.091			
13 4,4'-DDE					CAS #: 72-55-9			
20.3	20.3	0.000	86171	0.00776	0.078			(a)
16 4,4'-DDD					CAS #: 72-54-8			
22.0	22.0	0.000	214659	0.02753	0.28			

SZ 06/09/05

Data File: E4C6603R.D
Report Date: 09-Jun-2005 10:59

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RIN-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-09B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6604F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/27/05

Extraction: (Type) SEPF Date Extracted: 05/31/05

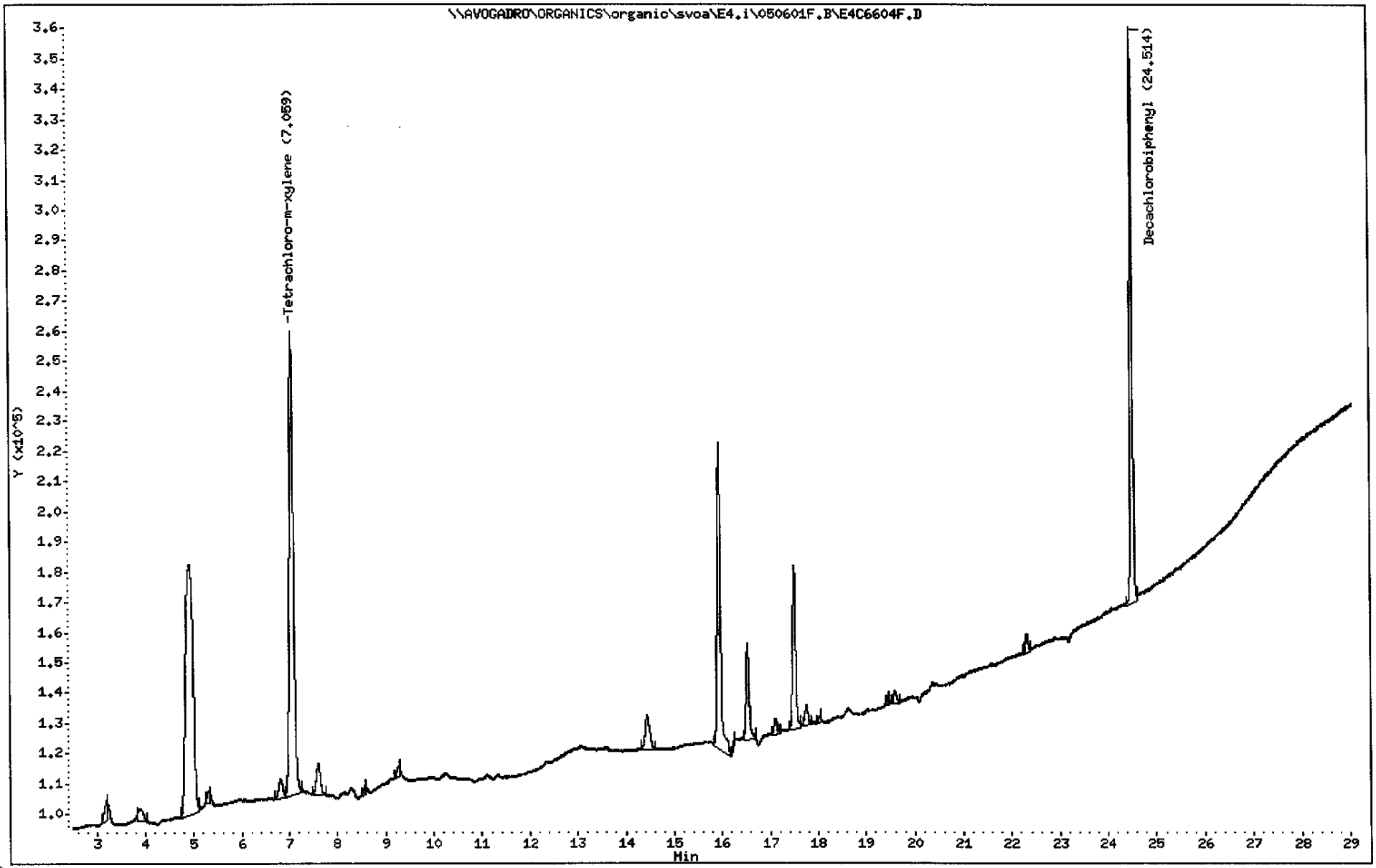
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

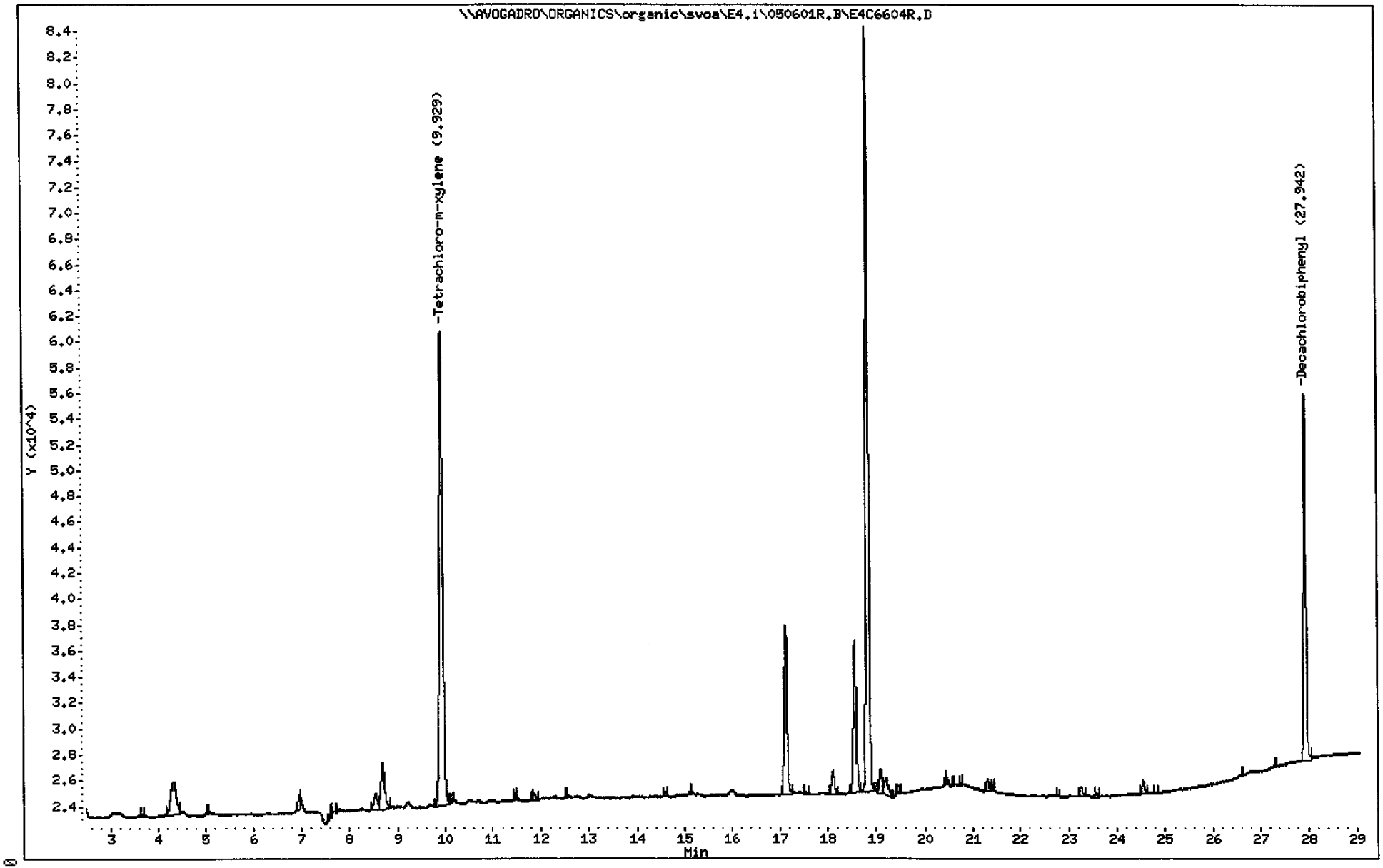
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6604F.D
Date : 02-JUN-2005 15:15
Client ID: RIN-3
Instrument: E4.i
Sample Info: D0618-09B,,18317,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



0276

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6604R.D
Date : 02-JUN-2005 15:15
Client ID: RIN-3
Instrument: E4.i
Sample Info: D0618-09B,,18317,clp.sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



0227

Data File: E4C6604F.D
Report Date: 09-Jun-2005 10:59

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6604F.D
Lab Smp Id: D0618-09B Client Smp ID: RIN-3
Inj Date : 02-JUN-2005 15:15
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0618-09B,,18317,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 07-Jun-2005 11:30 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 32
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.06	0.000	938452	0.01867	0.19		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	604298	0.01161	0.12		

SZ 06/09/05

Data File: E4C6604R.D
Report Date: 09-Jun-2005 11:00

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6604R.D
Lab Smp Id: D0618-09B Client Smp ID: RIN-3
Inj Date : 02-JUN-2005 15:15
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0618-09B,,18317,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 07-Jun-2005 11:28 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 32
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.93	9.92	0.010	189215	0.01930	0.19		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
27.9	27.9	0.000	95343	0.01167	0.12		

SZ 06/09/05

6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: E4 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: CLPPEST ID: 0.53 (mm) Date(s) Analyzed: 06/01/05 06/01/05

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	9.29	9.29	9.28	9.29	9.24	9.34
beta-BHC	10.94	10.93	10.92	10.93	10.88	10.98
delta-BHC	11.51	11.50	11.49	11.50	11.45	11.55
gamma-BHC (Lindane)	10.48	10.48	10.48	10.48	10.43	10.53
Heptachlor	12.13	12.13	12.13	12.13	12.08	12.18
Aldrin	13.11	13.11	13.11	13.11	13.06	13.16
Heptachlor epoxide	15.22	15.21	15.21	15.22	15.15	15.29
Endosulfan I	16.43	16.43	16.42	16.43	16.36	16.50
Dieldrin	17.21	17.21	17.20	17.21	17.14	17.28
4,4'-DDE	16.59	16.57	16.56	16.57	16.50	16.64
Endrin	17.89	17.89	17.89	17.89	17.82	17.96
Endosulfan II	18.67	18.65	18.64	18.66	18.59	18.73
4,4'-DDD	18.50	18.47	18.46	18.48	18.41	18.55
Endosulfan sulfate	21.20	21.19	21.19	21.19	21.12	21.26
4,4'-DDT	19.33	19.32	19.31	19.32	19.25	19.39
Methoxychlor	20.90	20.89	20.88	20.89	20.82	20.96
Endrin ketone	21.88	21.87	21.86	21.87	21.80	21.94
Endrin aldehyde	19.99	19.98	19.97	19.98	19.91	20.05
alpha-Chlordane	16.06	16.06	16.06	16.06	15.99	16.13
gamma-Chlordane	15.63	15.62	15.62	15.62	15.55	15.69
Tetrachloro-m-xylene	7.06	7.06	7.05	7.06	7.01	7.11
Decachlorobiphenyl	24.51	24.51	24.51	24.51	24.41	24.61

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are +/- 0.05 minutes for all compounds that elute before Heptachlor epoxide, +/- 0.07 minutes for all other compounds, except +/- 0.10 minutes for Decachlorobiphenyl.

6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: E4 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: CLPPESTII ID: 0.53 (mm) Date(s) Analyzed: 06/01/05 06/01/05

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	12.53	12.53	12.52	12.53	12.48	12.58
beta-BHC	14.32	14.31	14.31	14.31	14.26	14.36
delta-BHC	15.35	15.34	15.34	15.34	15.29	15.39
gamma-BHC (Lindane)	13.90	13.90	13.90	13.90	13.85	13.95
Heptachlor	15.44	15.45	15.44	15.44	15.39	15.49
Aldrin	16.53	16.53	16.53	16.53	16.48	16.58
Heptachlor epoxide	18.58	18.57	18.57	18.57	18.50	18.64
Endosulfan I	19.82	19.82	19.81	19.82	19.75	19.89
Dieldrin	20.66	20.66	20.65	20.66	20.59	20.73
4,4'-DDE	20.35	20.35	20.34	20.35	20.28	20.42
Endrin	21.51	21.51	21.51	21.51	21.44	21.58
Endosulfan II	22.13	22.12	22.11	22.12	22.05	22.19
4,4'-DDD	21.99	21.98	21.98	21.98	21.91	22.05
Endosulfan sulfate	23.74	23.73	23.73	23.73	23.66	23.80
4,4'-DDT	22.80	22.80	22.79	22.80	22.73	22.87
Methoxychlor	24.56	24.55	24.55	24.55	24.48	24.62
Endrin ketone	25.02	25.01	25.01	25.01	24.94	25.08
Endrin aldehyde	23.04	23.03	23.03	23.03	22.96	23.10
alpha-Chlordane	19.69	19.69	19.69	19.69	19.62	19.76
gamma-Chlordane	19.21	19.21	19.21	19.21	19.14	19.28
Tetrachloro-m-xylene	9.92	9.92	9.92	9.92	9.87	9.97
Decachlorobiphenyl	27.94	27.94	27.93	27.94	27.84	28.04

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are +/- 0.05 minutes for all compounds that elute before Heptachlor epoxide, +/- 0.07 minutes for all other compounds, except +/- 0.10 minutes for Decachlorobiphenyl.

6F

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: E4 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: CLPPEST ID: 0.53 (mm) Date(s) Analyzed: 06/01/05 06/01/05

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	96336600	84801300	93805525	91647808	6.6
beta-BHC	29195400	30944300	32061213	30733638	4.7
delta-BHC	57956800	68502150	80864525	69107825	16.6
gamma-BHC (Lindane)	88667200	76928950	83930763	83175638	7.1
Heptachlor	90295600	75853400	79546650	81898550	9.2
Aldrin	72178400	76398200	79054425	75877008	4.6
Heptachlor epoxide	71737600	72460550	71651213	71949788	0.6
Endosulfan I	84685000	70379400	69871513	74978638	11.2
Dieldrin	91550800	75530375	74233588	80438254	12.0
4,4'-DDE	64671600	69900150	72706519	69092756	5.9
Endrin	74850500	62295025	60854819	66000115	11.7
Endosulfan II	60923100	61666300	60780106	61123169	0.8
4,4'-DDD	62196900	55793000	59008000	58999300	5.4
Endosulfan sulfate	36723500	47933850	50294513	44983954	16.1
4,4'-DDT	54939500	52730600	58404419	55358173	5.2
Methoxychlor	25817680	24121670	22964831	24301394	5.9
Endrin ketone	41139100	48556650	51395731	47030494	11.3
Endrin aldehyde	43530600	44965000	45241638	44579079	2.1
alpha-Chlordane	68840000	69634650	71746625	70073758	2.1
gamma-Chlordane	72532000	75423850	78583838	75513229	4.0
Tetrachloro-m-xylene	63216000	50275750	52368788	55286846	12.6
Decachlorobiphenyl	68289600	52071825	51360594	57240673	16.7

* Surrogate calibration factors are measured from Standard Mix A analyses.

6F

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: E4 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: CLPPESTII ID: 0.53 (mm) Date(s) Analyzed: 06/01/05 06/01/05

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	16730200	14380450	16764000	15958217	8.6
beta-BHC	6111200	6402100	6354900	6289400	2.5
delta-BHC	10645800	12183100	14743613	12524171	16.5
gamma-BHC (Lindane)	15646400	13286500	15198663	14710521	8.5
Heptachlor	16941000	13958900	15197925	15365942	9.7
Aldrin	11525600	12014100	13336700	12292133	7.6
Heptachlor epoxide	11785800	12036000	12829950	12217250	4.5
Endosulfan I	14158600	11663600	12587113	12803104	9.9
Dieldrin	15381900	13074125	14723063	14393029	8.3
4,4'-DDE	9827500	11109300	12917256	11284685	13.8
Endrin	11485100	9597825	10772750	10618558	9.0
Endosulfan II	8997000	9491050	10410594	9632881	7.4
4,4'-DDD	8468800	7796900	9288706	8518135	8.8
Endosulfan sulfate	5272800	7230400	8442056	6981752	22.9
4,4'-DDT	9168100	8346300	9794894	9103098	8.0
Methoxychlor	4515300	4120845	4351981	4329375	4.6
Endrin ketone	5489300	6922025	8157969	6856431	19.5
Endrin aldehyde	6509400	6980000	7621156	7036852	7.9
alpha-Chlordane	11346400	11649850	12433650	11809967	4.8
gamma-Chlordane	11960800	12161800	13187950	12436850	5.3
Tetrachloro-m-xylene	12707200	9805050	10011525	10841258	14.9
Decachlorobiphenyl	10934900	8167625	8082131	9061552	17.9

* Surrogate calibration factors are measured from Standard Mix A analyses.

6G

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: E4 Date(s) Analyzed: 06/01/05 06/01/05

GC Column: CLPPEST ID: 0.53 (mm)

COMPOUND	AMOUNT (ng)	PEAK1	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	0.50	1	19.87	19.80	19.94	1937222
		2	20.27	20.20	20.34	3119420
		3	20.86	20.79	20.93	3526976
		4				
		5				
Aroclor-1016	0.10	1	8.67	8.60	8.74	899440
		2	10.00	9.93	10.07	1742360
		3	11.67	11.60	11.74	3613370
		4				
		5				
Aroclor-1221	0.20	1	7.94	7.87	8.01	415660
		2	8.52	8.45	8.59	267880
		3	8.67	8.60	8.74	1296965
		4				
		5				
Aroclor-1232	0.10	1	8.68	8.61	8.75	947360
		2	10.00	9.93	10.07	384670
		3	11.68	11.61	11.75	1260270
		4				
		5				
Aroclor-1242	0.10	1	11.68	11.61	11.75	2420970
		2	13.50	13.43	13.57	1336390
		3	13.78	13.71	13.85	484400
		4				
		5				
Aroclor-1248	0.10	1	13.49	13.42	13.56	2353070
		2	14.91	14.84	14.98	1150310
		3	15.48	15.41	15.55	833810
		4				
		5				
Aroclor-1254	0.10	1	14.74	14.67	14.81	1988150
		2	15.60	15.53	15.67	2653270
		3	16.84	16.77	16.91	3144280
		4				
		5				
Aroclor-1260	0.10	1	19.20	19.13	19.27	5923970
		2	21.13	21.06	21.20	7089810
		3	21.86	21.79	21.93	3166720
		4				
		5				

1 At least 3 peaks for each column are required for identification of multicomponent analytes.

6G

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Instrument ID: E4 Date(s) Analyzed: 06/01/05 06/01/05

GC Column: CLPPESTII ID: 0.53 (mm)

COMPOUND	AMOUNT (ng)	PEAK1	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	0.50	1	22.35	22.28	22.42	754486
		2	23.06	22.99	23.13	655298
		3	24.31	24.24	24.38	828826
		4				
		5				
Aroclor-1016	0.10	1	12.03	11.96	12.10	201390
		2	13.57	13.50	13.64	409750
		3	15.20	15.13	15.27	835730
		4				
		5				
Aroclor-1221	0.20	1	8.06	7.99	8.13	83940
		2	11.25	11.18	11.32	111045
		3	12.03	11.96	12.10	286905
		4				
		5				
Aroclor-1232	0.10	1	12.03	11.96	12.10	231150
		2	13.56	13.49	13.63	83540
		3	15.19	15.12	15.26	347010
		4				
		5				
Aroclor-1242	0.10	1	15.19	15.12	15.26	632820
		2	16.00	15.93	16.07	146890
		3	16.37	16.30	16.44	131560
		4				
		5				
Aroclor-1248	0.10	1	16.51	16.44	16.58	244790
		2	17.25	17.18	17.32	344410
		3	17.65	17.58	17.72	375190
		4				
		5				
Aroclor-1254	0.10	1	18.67	18.60	18.74	414200
		2	20.36	20.29	20.43	358560
		3	20.70	20.63	20.77	692390
		4				
		5				
Aroclor-1260	0.10	1	21.85	21.78	21.92	523740
		2	22.79	22.72	22.86	719560
		3	24.38	24.31	24.45	742450
		4				
		5				

1 At least 3 peaks for each column are required for identification of multicomponent analytes.

6H

PESTICIDE ANALYTE RESOLUTION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (RESC##): RESCD1 Lab Sample ID (1): RESCD1

Date Analyzed (1): 06/01/05 Time Analyzed (1): 1526

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.06	100.0
02	gamma-Chlordane	15.63	100.0
03	Endosulfan I	16.43	90.3
04	4,4'-DDE	16.58	100.0
05	Dieldrin	17.21	100.0
06	Methoxychlor	20.90	98.0
07	Endosulfan sulfate	21.20	100.0
08	Endrin ketone	21.87	100.0
09	Decachlorobiphenyl	24.51	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (RESC##): RESCD1 Lab Sample ID (2): RESCD1

Date Analyzed (2): 06/01/05 Time Analyzed (2): 1526

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.93	100.0
02	gamma-Chlordane	19.21	100.0
03	Endosulfan I	19.82	100.0
04	4,4'-DDE	20.35	100.0
05	Dieldrin	20.66	100.0
06	Endosulfan sulfate	23.74	100.0
07	Methoxychlor	24.56	100.0
08	Endrin ketone	25.02	100.0
09	Decachlorobiphenyl	27.94	

6I

PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (PEM##): PEMD1 Lab Sample ID (1): PEMD1

Date Analyzed (1): 06/01/05 Time Analyzed (1): 1602

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.06	100.0
02	alpha-BHC	9.29	100.0
03	gamma-BHC (Lindane)	10.48	100.0
04	beta-BHC	10.93	100.0
05	Endrin	17.90	100.0
06	4,4'-DDT	19.32	100.0
07	Methoxychlor	20.89	100.0
08	Decachlorobiphenyl	24.51	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (PEM##): PEMD1 Lab Sample ID (2): PEMD1

Date Analyzed (2): 06/01/05 Time Analyzed (2): 1602

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.93	100.0
02	alpha-BHC	12.53	100.0
03	gamma-BHC (Lindane)	13.90	100.0
04	beta-BHC	14.32	100.0
05	Endrin	21.51	100.0
06	4,4'-DDT	22.80	100.0
07	Methoxychlor	24.56	100.0
08	Decachlorobiphenyl	27.94	

6I

PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (PEM##): PEMD2 Lab Sample ID (1): PEMD2

Date Analyzed (1): 06/02/05 Time Analyzed (1): 0106

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.06	100.0
02	alpha-BHC	9.28	100.0
03	gamma-BHC (Lindane)	10.48	100.0
04	beta-BHC	10.93	100.0
05	Endrin	17.89	100.0
06	4,4'-DDT	19.32	100.0
07	Methoxychlor	20.89	100.0
08	Decachlorobiphenyl	24.51	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (PEM##): PEMD2 Lab Sample ID (2): PEMD2

Date Analyzed (2): 06/02/05 Time Analyzed (2): 0106

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.92	100.0
02	alpha-BHC	12.52	100.0
03	gamma-BHC (Lindane)	13.90	100.0
04	beta-BHC	14.31	100.0
05	Endrin	21.51	100.0
06	4,4'-DDT	22.79	100.0
07	Methoxychlor	24.55	100.0
08	Decachlorobiphenyl	27.94	

6I

PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (PEM##): PEMDB Lab Sample ID (1): PEMDB

Date Analyzed (1): 06/02/05 Time Analyzed (1): 1740

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.06	100.0
02	alpha-BHC	9.29	100.0
03	gamma-BHC (Lindane)	10.48	100.0
04	beta-BHC	10.93	100.0
05	Endrin	17.89	100.0
06	4,4'-DDT	19.32	100.0
07	Methoxychlor	20.89	100.0
08	Decachlorobiphenyl	24.51	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (PEM##): PEMDB Lab Sample ID (2): PEMDB

Date Analyzed (2): 06/02/05 Time Analyzed (2): 1740

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.93	100.0
02	alpha-BHC	12.53	100.0
03	gamma-BHC (Lindane)	13.90	100.0
04	beta-BHC	14.32	100.0
05	Endrin	21.51	100.0
06	4,4'-DDT	22.80	100.0
07	Methoxychlor	24.56	100.0
08	Decachlorobiphenyl	27.94	

6J

INDIVIDUAL STANDARD MIXTURE A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (INDAM##): INDAMD1 Lab Sample ID (1): INDAMD1

Date Analyzed (1): 06/01/05 Time Analyzed (1): 2205

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.06	100.0
02	alpha-BHC	9.29	100.0
03	gamma-BHC (Lindane)	10.48	100.0
04	Heptachlor	12.13	100.0
05	Endosulfan I	16.43	100.0
06	Dieldrin	17.21	100.0
07	Endrin	17.89	100.0
08	4,4'-DDD	18.47	100.0
09	4,4'-DDT	19.32	100.0
10	Methoxychlor	20.89	100.0
11	Decachlorobiphenyl	24.51	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (INDAM##): INDAMD1 Lab Sample ID (2): INDAMD1

Date Analyzed (2): 06/01/05 Time Analyzed (2): 2205

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.92	100.0
02	alpha-BHC	12.53	100.0
03	gamma-BHC (Lindane)	13.90	100.0
04	Heptachlor	15.45	100.0
05	Endosulfan I	19.82	100.0
06	Dieldrin	20.66	100.0
07	Endrin	21.51	100.0
08	4,4'-DDD	21.98	100.0
09	4,4'-DDT	22.80	100.0
10	Methoxychlor	24.55	100.0
11	Decachlorobiphenyl	27.94	

6K

INDIVIDUAL STANDARD MIXTURE B

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E4

EPA Sample No. (INDBM##): INDBMD1 Lab Sample ID (1): INDBMD1

Date Analyzed (1): 06/01/05 Time Analyzed (1): 2241

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.06	100.0
02	beta-BHC	10.93	100.0
03	delta-BHC	11.50	100.0
04	Aldrin	13.11	100.0
05	Heptachlor epoxide	15.22	100.0
06	gamma-Chlordane	15.62	100.0
07	alpha-Chlordane	16.06	100.0
08	4,4'-DDE	16.57	100.0
09	Endosulfan II	18.65	100.0
10	Endrin aldehyde	19.98	100.0
11	Endosulfan sulfate	21.19	100.0
12	Endrin ketone	21.87	100.0
13	Decachlorobiphenyl	24.51	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E4

EPA Sample No. (INDBM##): INDBMD1 Lab Sample ID (2): INDBMD1

Date Analyzed (2): 06/01/05 Time Analyzed (2): 2241

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	9.93	100.0
02	beta-BHC	14.32	100.0
03	delta-BHC	15.34	100.0
04	Aldrin	16.53	100.0
05	Heptachlor epoxide	18.57	100.0
06	gamma-Chlordane	19.21	100.0
07	alpha-Chlordane	19.69	100.0
08	4,4'-DDE	20.35	100.0
09	Endosulfan II	22.12	100.0
10	Endrin aldehyde	23.03	100.0
11	Endosulfan sulfate	23.73	100.0
12	Endrin ketone	25.01	100.0
13	Decachlorobiphenyl	27.94	

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 06/01/05 06/01/05

EPA Sample No.(PIBLK##): _____ Date Analyzed : _____

Lab Sample ID (PIBLK) : _____ Time Analyzed : _____

EPA Sample No.(PEM##) : PEMD1 Date Analyzed : 06/01/05

Lab Sample ID (PEM) : PEMD1 Time Analyzed : 1602

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.29	9.24	9.34	0.010	0.010	0.0
beta-BHC	10.93	10.88	10.98	0.011	0.010	10.0
gamma-BHC (Lindane)	10.48	10.43	10.53	0.010	0.010	0.0
Endrin	17.90	17.82	17.96	0.058	0.050	16.0
4,4'-DDT	19.32	19.25	19.39	0.107	0.10	7.0
Methoxychlor	20.89	20.82	20.96	0.243	0.25	-2.8

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 06/01/05 06/01/05

EPA Sample No.(PIBLK##): _____ Date Analyzed : _____

Lab Sample ID (PIBLK) : _____ Time Analyzed : _____

EPA Sample No.(PEM##) : PEMD1 Date Analyzed : 06/01/05

Lab Sample ID (PEM) : PEMD1 Time Analyzed : 1602

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.53	12.48	12.58	0.010	0.010	0.0
beta-BHC	14.32	14.26	14.36	0.011	0.010	10.0
gamma-BHC (Lindane)	13.90	13.85	13.95	0.010	0.010	0.0
Endrin	21.51	21.44	21.58	0.061	0.050	22.0
4,4'-DDT	22.80	22.73	22.87	0.112	0.10	12.0
Methoxychlor	24.56	24.48	24.62	0.249	0.25	-0.4

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 06/01/05 06/01/05

EPA Sample No.(PIBLK##): PIBLKD2 Date Analyzed : 06/02/05

Lab Sample ID (PIBLK) : PIBLKD2 Time Analyzed : 0030

EPA Sample No.(PEM##) : PEMD2 Date Analyzed : 06/02/05

Lab Sample ID (PEM) : PEMD2 Time Analyzed : 0106

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.28	9.24	9.34	0.010	0.010	0.0
beta-BHC	10.93	10.88	10.98	0.011	0.010	10.0
gamma-BHC (Lindane)	10.48	10.43	10.53	0.010	0.010	0.0
Endrin	17.89	17.82	17.96	0.058	0.050	16.0
4,4'-DDT	19.32	19.25	19.39	0.109	0.10	9.0
Methoxychlor	20.89	20.82	20.96	0.250	0.25	0.0

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 06/01/05 06/01/05

EPA Sample No.(PIBLK##): PIBLKD2 Date Analyzed : 06/02/05

Lab Sample ID (PIBLK) : PIBLKD2 Time Analyzed : 0030

EPA Sample No.(PEM##) : PEMD2 Date Analyzed : 06/02/05

Lab Sample ID (PEM) : PEMD2 Time Analyzed : 0106

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.52	12.48	12.58	0.010	0.010	0.0
beta-BHC	14.31	14.26	14.36	0.010	0.010	0.0
gamma-BHC (Lindane)	13.90	13.85	13.95	0.010	0.010	0.0
Endrin	21.51	21.44	21.58	0.061	0.050	22.0
4,4'-DDT	22.79	22.73	22.87	0.114	0.10	14.0
Methoxychlor	24.55	24.48	24.62	0.257	0.25	2.8

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 06/01/05 06/01/05

EPA Sample No.(PIBLK##): PIBLKDB Date Analyzed : 06/02/05

Lab Sample ID (PIBLK) : PIBLKDB Time Analyzed : 1704

EPA Sample No.(PEM##) : PEMDB Date Analyzed : 06/02/05

Lab Sample ID (PEM) : PEMDB Time Analyzed : 1740

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.29	9.24	9.34	0.010	0.010	0.0
beta-BHC	10.93	10.88	10.98	0.011	0.010	10.0
gamma-BHC (Lindane)	10.48	10.43	10.53	0.011	0.010	10.0
Endrin	17.89	17.82	17.96	0.060	0.050	20.0
4,4'-DDT	19.32	19.25	19.39	0.112	0.10	12.0
Methoxychlor	20.89	20.82	20.96	0.251	0.25	0.4

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 06/01/05 06/01/05

EPA Sample No.(PIBLK##): PIBLKDB Date Analyzed : 06/02/05

Lab Sample ID (PIBLK) : PIBLKDB Time Analyzed : 1704

EPA Sample No.(PEM##) : PEMDB Date Analyzed : 06/02/05

Lab Sample ID (PEM) : PEMDB Time Analyzed : 1740

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.53	12.48	12.58	0.010	0.010	0.0
beta-BHC	14.32	14.26	14.36	0.010	0.010	0.0
gamma-BHC (Lindane)	13.90	13.85	13.95	0.010	0.010	0.0
Endrin	21.51	21.44	21.58	0.059	0.050	18.0
4,4'-DDT	22.80	22.73	22.87	0.112	0.10	12.0
Methoxychlor	24.56	24.48	24.62	0.253	0.25	1.2

4,4'-DDT % Breakdown (1): 0.00 Endrin % Breakdown (1): 0.00

Combined % Breakdown (1): 0.00

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 06/01/05 06/01/05

EPA Sample No.(PIBLK##): PIBLKDA Date Analyzed : 06/02/05

Lab Sample ID (PIBLK) : PIBLKDA Time Analyzed : 0556

EPA Sample No.(INDAM##) : INDAMDA Date Analyzed : 06/02/05

Lab Sample ID (INDAM) : INDAMDA Time Analyzed : 0632

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	9.28	9.24	9.34	0.021	0.020	5.0
gamma-BHC (Lindane)	10.48	10.43	10.53	0.021	0.020	5.0
Heptachlor	12.13	12.08	12.18	0.021	0.020	5.0
Endosulfan I	16.43	16.36	16.50	0.020	0.020	0.0
Dieldrin	17.21	17.14	17.28	0.041	0.040	2.5
Endrin	17.89	17.82	17.96	0.042	0.040	5.0
4,4'-DDD	18.47	18.41	18.55	0.042	0.040	5.0
4,4'-DDT	19.32	19.25	19.39	0.043	0.040	7.5
Methoxychlor	20.89	20.82	20.96	0.21	0.20	5.0
Tetrachloro-m-xylene	7.06	7.01	7.11	0.021	0.020	5.0
Decachlorobiphenyl	24.51	24.41	24.61	0.040	0.040	0.0

EPA Sample No.(INDBM##) : INDBMDA Date Analyzed : 06/02/05

Lab Sample ID (INDBM) : INDBMDA Time Analyzed : 0709

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	10.93	10.88	10.98	0.021	0.020	5.0
delta-BHC	11.50	11.45	11.55	0.022	0.020	10.0
Aldrin	13.11	13.06	13.16	0.021	0.020	5.0
Heptachlor epoxide	15.22	15.15	15.29	0.021	0.020	5.0
4,4'-DDE	16.57	16.50	16.64	0.042	0.040	5.0
Endosulfan II	18.65	18.59	18.73	0.042	0.040	5.0
Endosulfan sulfate	21.19	21.12	21.26	0.043	0.040	7.5
Endrin ketone	21.87	21.80	21.94	0.043	0.040	7.5
Endrin aldehyde	19.98	19.91	20.05	0.042	0.040	5.0
alpha-Chlordane	16.06	15.99	16.13	0.021	0.020	5.0
gamma-Chlordane	15.63	15.55	15.69	0.021	0.020	5.0
Tetrachloro-m-xylene	7.06	7.01	7.11	0.021	0.020	5.0
Decachlorobiphenyl	24.51	24.41	24.61	0.040	0.040	0.0

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 06/01/05 06/01/05

EPA Sample No.(PIBLK##): PIBLKDA Date Analyzed : 06/02/05

Lab Sample ID (PIBLK) : PIBLKDA Time Analyzed : 0556

EPA Sample No.(INDAM##) : INDAMDA Date Analyzed : 06/02/05

Lab Sample ID (INDAM) : INDAMDA Time Analyzed : 0632

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	12.52	12.48	12.58	0.020	0.020	0.0
gamma-BHC (Lindane)	13.90	13.85	13.95	0.020	0.020	0.0
Heptachlor	15.44	15.39	15.49	0.021	0.020	5.0
Endosulfan I	19.82	19.75	19.89	0.020	0.020	0.0
Dieldrin	20.66	20.59	20.73	0.041	0.040	2.5
Endrin	21.51	21.44	21.58	0.041	0.040	2.5
4,4'-DDD	21.98	21.91	22.05	0.041	0.040	2.5
4,4'-DDT	22.79	22.73	22.87	0.041	0.040	2.5
Methoxychlor	24.55	24.48	24.62	0.21	0.20	5.0
Tetrachloro-m-xylene	9.92	9.87	9.97	0.021	0.020	5.0
Decachlorobiphenyl	27.94	27.84	28.04	0.040	0.040	0.0

EPA Sample No.(INDBM##) : INDBMDA Date Analyzed : 06/02/05

Lab Sample ID (INDBM) : INDBMDA Time Analyzed : 0709

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	14.32	14.26	14.36	0.020	0.020	0.0
delta-BHC	15.35	15.29	15.39	0.020	0.020	0.0
Aldrin	16.53	16.48	16.58	0.020	0.020	0.0
Heptachlor epoxide	18.58	18.50	18.64	0.020	0.020	0.0
4,4'-DDE	20.35	20.28	20.42	0.041	0.040	2.5
Endosulfan II	22.12	22.05	22.19	0.041	0.040	2.5
Endosulfan sulfate	23.73	23.66	23.80	0.044	0.040	10.0
Endrin ketone	25.02	24.94	25.08	0.043	0.040	7.5
Endrin aldehyde	23.03	22.96	23.10	0.041	0.040	2.5
alpha-Chlordane	19.69	19.62	19.76	0.020	0.020	0.0
gamma-Chlordane	19.21	19.14	19.28	0.020	0.020	0.0
Tetrachloro-m-xylene	9.93	9.87	9.97	0.020	0.020	0.0
Decachlorobiphenyl	27.94	27.84	28.04	0.039	0.040	-2.5

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 06/01/05 06/01/05

Instrument ID: E4

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 7.06 DCB: 24.51

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESCD1	RESCD1	06/01/05	1526	7.06	24.51
02	PEMD1	PEMD1	06/01/05	1602	7.06	24.51
03	AR1660D1	AR1660D1	06/01/05	1639	7.06	24.52
04	AR1221D1	AR1221D1	06/01/05	1715	7.06	24.52
05	AR1232D1	AR1232D1	06/01/05	1751	7.06	24.52
06	AR1242D1	AR1242D1	06/01/05	1827	7.06	24.51
07	AR1248D1	AR1248D1	06/01/05	1904	7.06	24.51
08	AR1254D1	AR1254D1	06/01/05	1940	7.06	24.52
09	TOXAPHD1	TOXAPHD1	06/01/05	2016	7.06	24.51
10	INDALD1	INDALD1	06/01/05	2052	7.06	24.51
11	INDBLD1	INDBLD1	06/01/05	2128	7.06	24.52
12	INDAMD1	INDAMD1	06/01/05	2205	7.06	24.51
13	INDBMD1	INDBMD1	06/01/05	2241	7.06	24.51
14	INDAHD1	INDAHD1	06/01/05	2317	7.05	24.51
15	INDBHD1	INDBHD1	06/01/05	2354	7.05	24.51
16	PIBLKD2	PIBLKD2	06/02/05	0030	7.06	24.51
17	PEMD2	PEMD2	06/02/05	0106	7.06	24.51
18	PIBLKDA	PIBLKDA	06/02/05	0556	7.06	24.51
19	INDAMDA	INDAMDA	06/02/05	0632	7.06	24.51
20	INDBMDA	INDBMDA	06/02/05	0709	7.06	24.51
21	PBLK4B	MB-18317	06/02/05	1214	7.06	24.52
22	P4BLCS	LCS-18317	06/02/05	1250	7.06	24.52
23	MW-01	D0618-01B	06/02/05	1327	7.06	24.51
24	MW-06	D0618-05B	06/02/05	1403	7.06	24.51
25	MW-07	D0618-06B	06/02/05	1439	7.05	24.51
26	RIN-3	D0618-09B	06/02/05	1515	7.06	24.51
27	MW-01MS	D0618-01BMS	06/02/05	1552	7.06	24.51
28	MW-01MSD	D0618-01BMSD	06/02/05	1628	7.06	24.51
29	PIBLKDB	PIBLKDB	06/02/05	1704	7.06	24.51
30	PEMDB	PEMDB	06/02/05	1740	7.06	24.51
31						
32						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 06/01/05 06/01/05

Instrument ID: E4

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 9.92 DCB: 27.94

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESCD1	RESCD1	06/01/05	1526	9.93	27.94
02	PEMD1	PEMD1	06/01/05	1602	9.93	27.94
03	AR1660D1	AR1660D1	06/01/05	1639	9.93	27.94
04	AR1221D1	AR1221D1	06/01/05	1715	9.93	27.94
05	AR1232D1	AR1232D1	06/01/05	1751	9.93	27.94
06	AR1242D1	AR1242D1	06/01/05	1827	9.93	27.94
07	AR1248D1	AR1248D1	06/01/05	1904	9.93	27.94
08	AR1254D1	AR1254D1	06/01/05	1940	9.93	27.94
09	TOXAPHD1	TOXAPHD1	06/01/05	2016	9.92	27.94
10	INDALD1	INDALD1	06/01/05	2052	9.92	27.94
11	INDBLD1	INDBLD1	06/01/05	2128	9.92	27.94
12	INDAMD1	INDAMD1	06/01/05	2205	9.92	27.94
13	INDBMD1	INDBMD1	06/01/05	2241	9.93	27.94
14	INDAHD1	INDAHD1	06/01/05	2317	9.92	27.93
15	INDBHD1	INDBHD1	06/01/05	2354	9.92	27.94
16	PIBLKD2	PIBLKD2	06/02/05	0030	9.92	27.94
17	PEMD2	PEMD2	06/02/05	0106	9.92	27.94
18	PIBLKDA	PIBLKDA	06/02/05	0556	9.92	27.94
19	INDAMDA	INDAMDA	06/02/05	0632	9.92	27.94
20	INDBMDA	INDBMDA	06/02/05	0709	9.93	27.94
21	PBLK4B	MB-18317	06/02/05	1214	9.93	27.95
22	P4BLCS	LCS-18317	06/02/05	1250	9.93	27.95
23	MW-01	D0618-01B	06/02/05	1327	9.93	27.94
24	MW-06	D0618-05B	06/02/05	1403	9.93	27.94
25	MW-07	D0618-06B	06/02/05	1439	9.93	27.94
26	RIN-3	D0618-09B	06/02/05	1515	9.93	27.94
27	MW-01MS	D0618-01BMS	06/02/05	1552	9.93	27.94
28	MW-01MSD	D0618-01BMSD	06/02/05	1628	9.93	27.94
29	PIBLKDB	PIBLKDB	06/02/05	1704	9.93	27.94
30	PEMDB	PEMDB	06/02/05	1740	9.93	27.94
31						
32						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

9A

PESTICIDE FLORISIL CARTRIDGE CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Florisil Cartridge Lot Number: AMFLX-4B Date of Analysis: 01/05/05

GC Column (1): CLPPEST ID: 0.53 (mm) GC Column (2): CLPPESTII ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS
alpha-BHC	0.010	0.0087	87	80-120
gamma-BHC (Lindane)	0.010	0.009	90	80-120
Heptachlor	0.010	0.0096	96	80-120
Endosulfan I	0.010	0.0099	99	80-120
Dieldrin	0.020	0.019	93	80-120
Endrin	0.020	0.019	97	80-120
4,4'-DDD	0.020	0.019	95	80-120
4,4'-DDT	0.020	0.019	93	80-120
Methoxychlor	0.10	0.1	103	80-120
Tetrachloro-m-xylene	0.010	0.01	100	80-120
Decachlorobiphenyl	0.020	0.022	108	80-120
2,4,5-Trichlorophenol	0.050	0	0	<5

Column to be used to flag recovery with an asterisk.
* Values outside of QC limits.

THIS CARTRIDGE LOT APPLIES TO THE FOLLOWING SAMPLES, BLANKS, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLK4B	MB-18317	06/02/05	06/02/05
02	P4BLCS	LCS-18317	06/02/05	06/02/05
03	MW-01	D0618-01B	06/02/05	06/02/05
04	MW-06	D0618-05B	06/02/05	06/02/05
05	MW-07	D0618-06B	06/02/05	06/02/05
06	RIN-3	D0618-09B	06/02/05	06/02/05
07	MW-01MS	D0618-01BMS	06/02/05	06/02/05
08	MW-01MSD	D0618-01BMSD	06/02/05	06/02/05
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-01MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab Sample ID: D0618-01BMS Date(s) Analyzed: 06/02/05 06/02/05

Instrument ID (1): E4 Instrument ID (2): E4

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	10.48	10.43	10.53	0.44	
	2	13.91	13.85	13.95	0.43	2.3
Heptachlor	1	12.13	12.08	12.18	0.49	
	2	15.45	15.39	15.49	0.48	2.1
Aldrin	1	13.11	13.06	13.16	0.48	
	2	16.53	16.48	16.58	0.48	0.0
Dieldrin	1	17.21	17.14	17.28	0.93	
	2	20.66	20.59	20.73	0.99	6.5
Endrin	1	17.89	17.82	17.96	1.0	
	2	21.51	21.44	21.58	1.1	10.0
4,4'-DDT	1	19.32	19.25	19.39	0.92	
	2	22.80	22.73	22.87	0.91	1.1
	1					
	2					
	1					
	2					

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-01MSD

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MD0618

Lab Sample ID: D0618-01BMSD Date(s) Analyzed: 06/02/05 06/02/05

Instrument ID (1): E4 Instrument ID (2): E4

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	10.48	10.43	10.53	0.44	
	2	13.91	13.85	13.95	0.43	2.3
Heptachlor	1	12.14	12.08	12.18	0.50	
	2	15.45	15.39	15.49	0.49	2.0
Aldrin	1	13.11	13.06	13.16	0.49	
	2	16.54	16.48	16.58	0.49	0.0
Dieldrin	1	17.21	17.14	17.28	0.93	
	2	20.66	20.59	20.73	1.00	7.5
Endrin	1	17.89	17.82	17.96	1.0	
	2	21.51	21.44	21.58	1.1	10.0
4,4'-DDT	1	19.32	19.25	19.39	0.94	
	2	22.80	22.73	22.87	0.93	1.1
	1					
	2					
	1					
	2					

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-07

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab Sample ID: D0618-06B Date(s) Analyzed: 06/02/05 06/02/05

Instrument ID (1): E4 Instrument ID (2): E4

GC Column(1): CLPPEST ID: 0.53(mm) GC Column(2): CLPPESTII ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	16.56	16.50	16.64	0.065	
	2	20.35	20.28	20.42	0.078	20.0
4,4'-DDD	1	18.46	18.41	18.55	0.27	
	2	21.98	21.91	22.05	0.28	3.7
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

P4BLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Lab Sample ID: LCS-18317 Date(s) Analyzed: 06/02/05 06/02/05

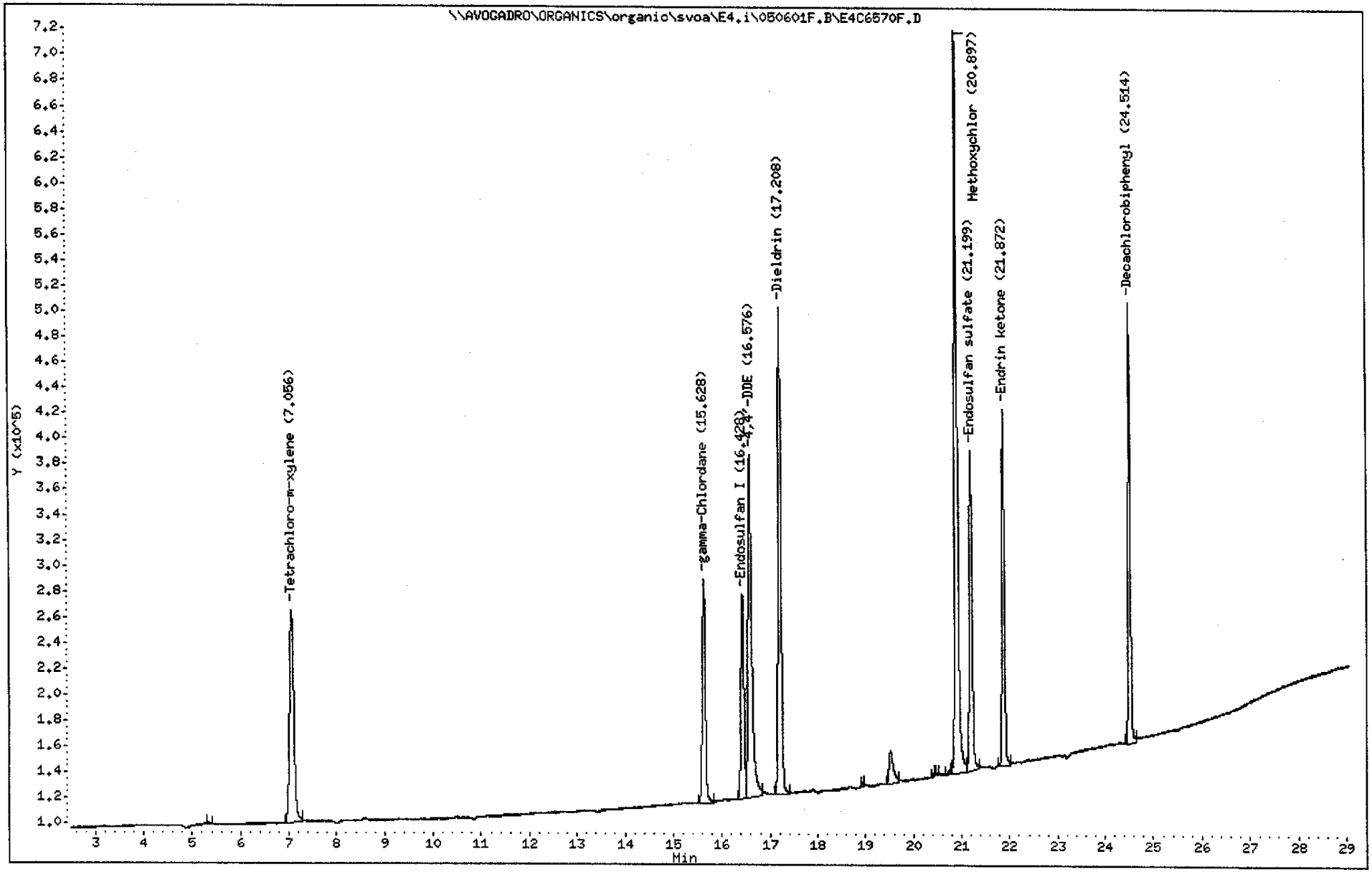
Instrument ID (1): E4 Instrument ID (2): E4

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	10.48	10.43	10.53	0.42	
	2	13.91	13.85	13.95	0.41	2.4
Heptachlor	1	12.14	12.08	12.18	0.47	
	2	15.45	15.39	15.49	0.47	0.0
Aldrin	1	13.11	13.06	13.16	0.48	
	2	16.54	16.48	16.58	0.48	0.0
Dieldrin	1	17.21	17.14	17.28	0.89	
	2	20.66	20.59	20.73	0.97	9.0
Endrin	1	17.90	17.82	17.96	0.99	
	2	21.52	21.44	21.58	1.1	11.1
4,4'-DDT	1	19.32	19.25	19.39	0.87	
	2	22.80	22.73	22.87	0.90	3.4
	1					
	2					
	1					
	2					

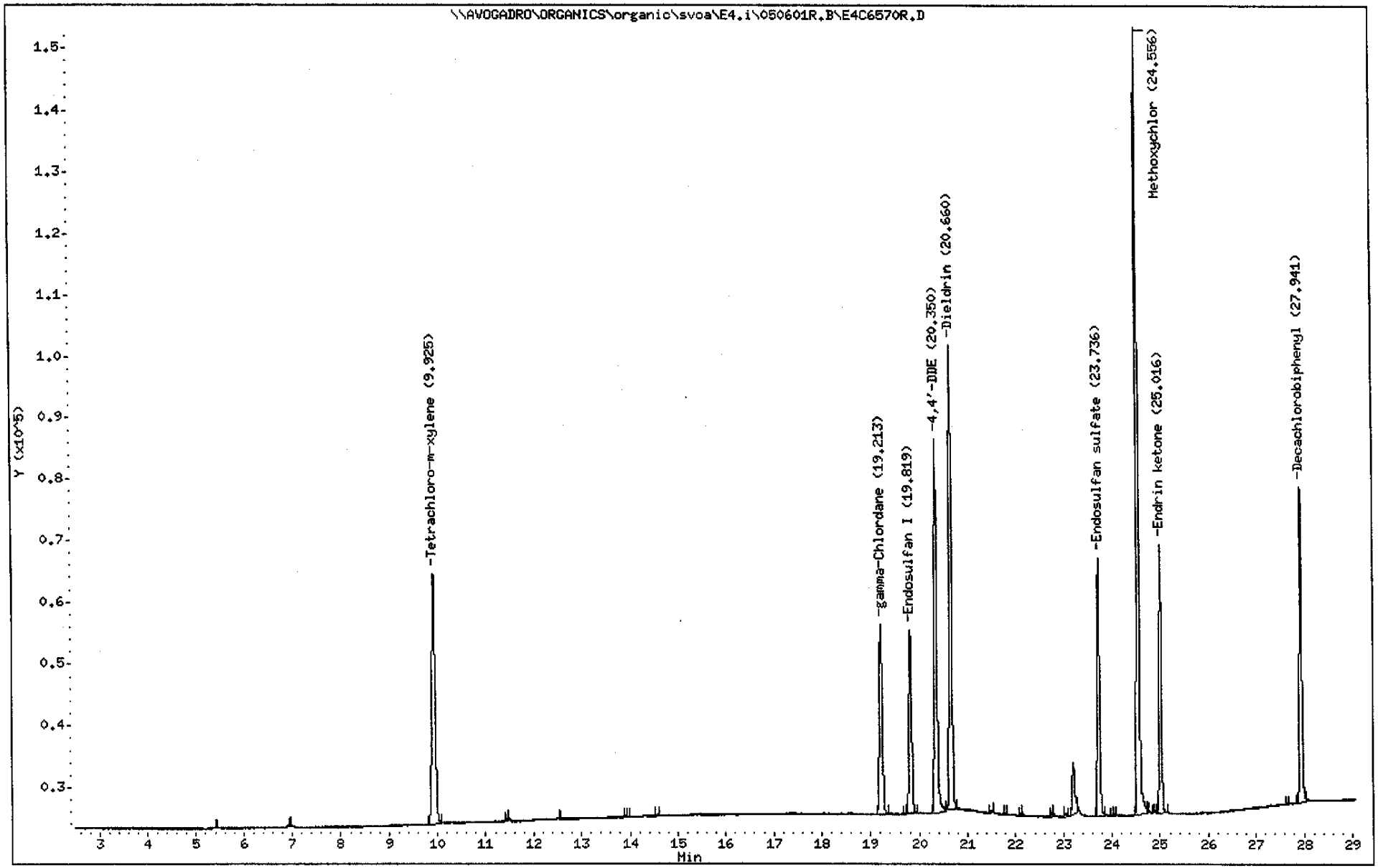
FORM X PEST-1 OLM04.3

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6570F.D
Date : 01-JUN-2005 15:26
Client ID: RESCD1
Instrument: E4.i
Sample Info: RESCD1,RESCD1,,resc.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



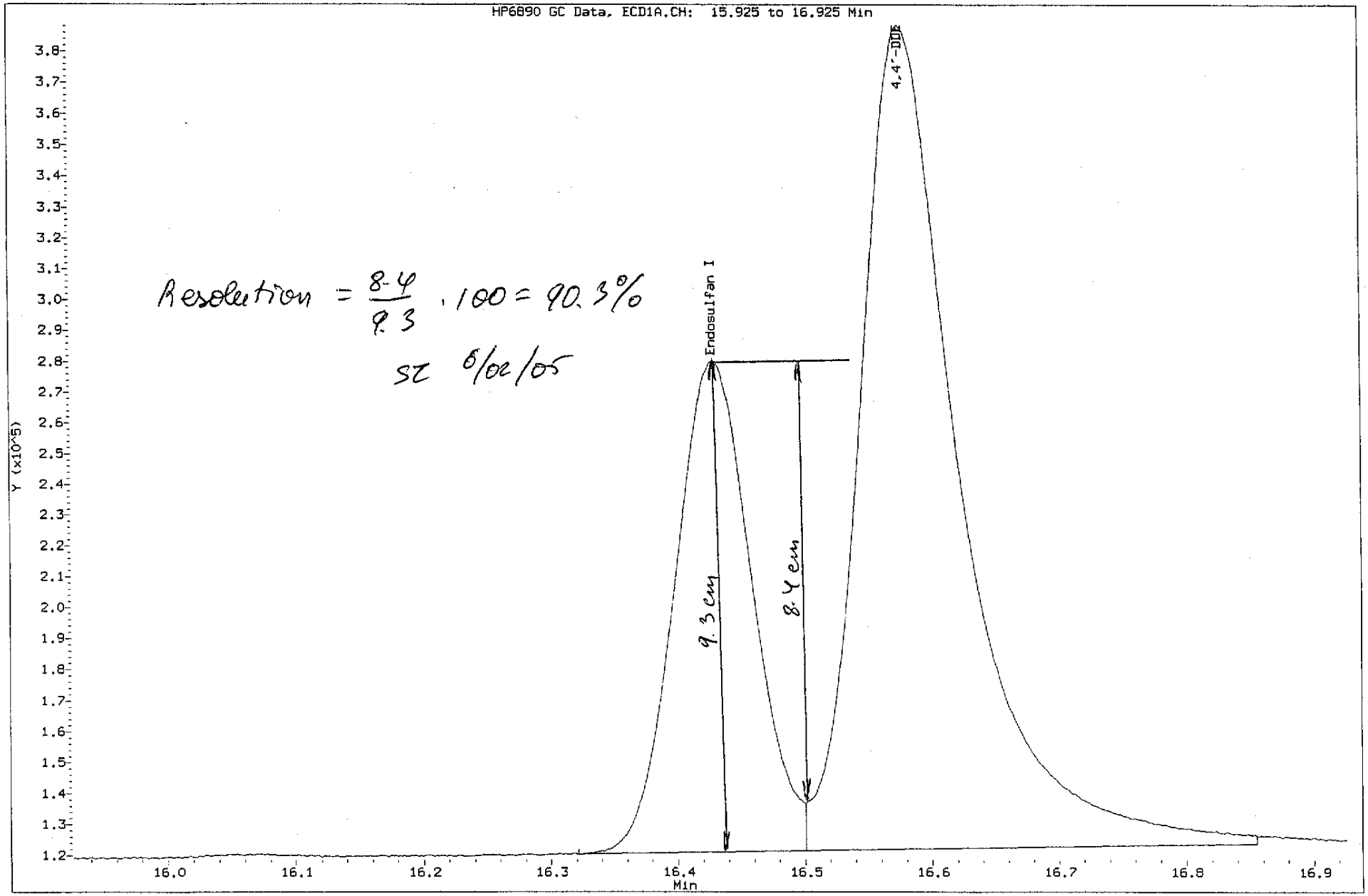
0407

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6570R.D
Date : 01-JUN-2005 15:26
Client ID: RESCD1 Instrument: E4.i
Sample Info: RESCD1,RESCD1,,resc.sub,,
Volume Injected (uL): 1.0 Operator: SRC:
Column phase: CLPPESTII Column diameter: 0.53



0408

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.1\050601F.B\E4C6570F.D
Injection Date: 01-JUN-2005 15:26
Instrument: E4.1
Client Sample ID: RESCD1

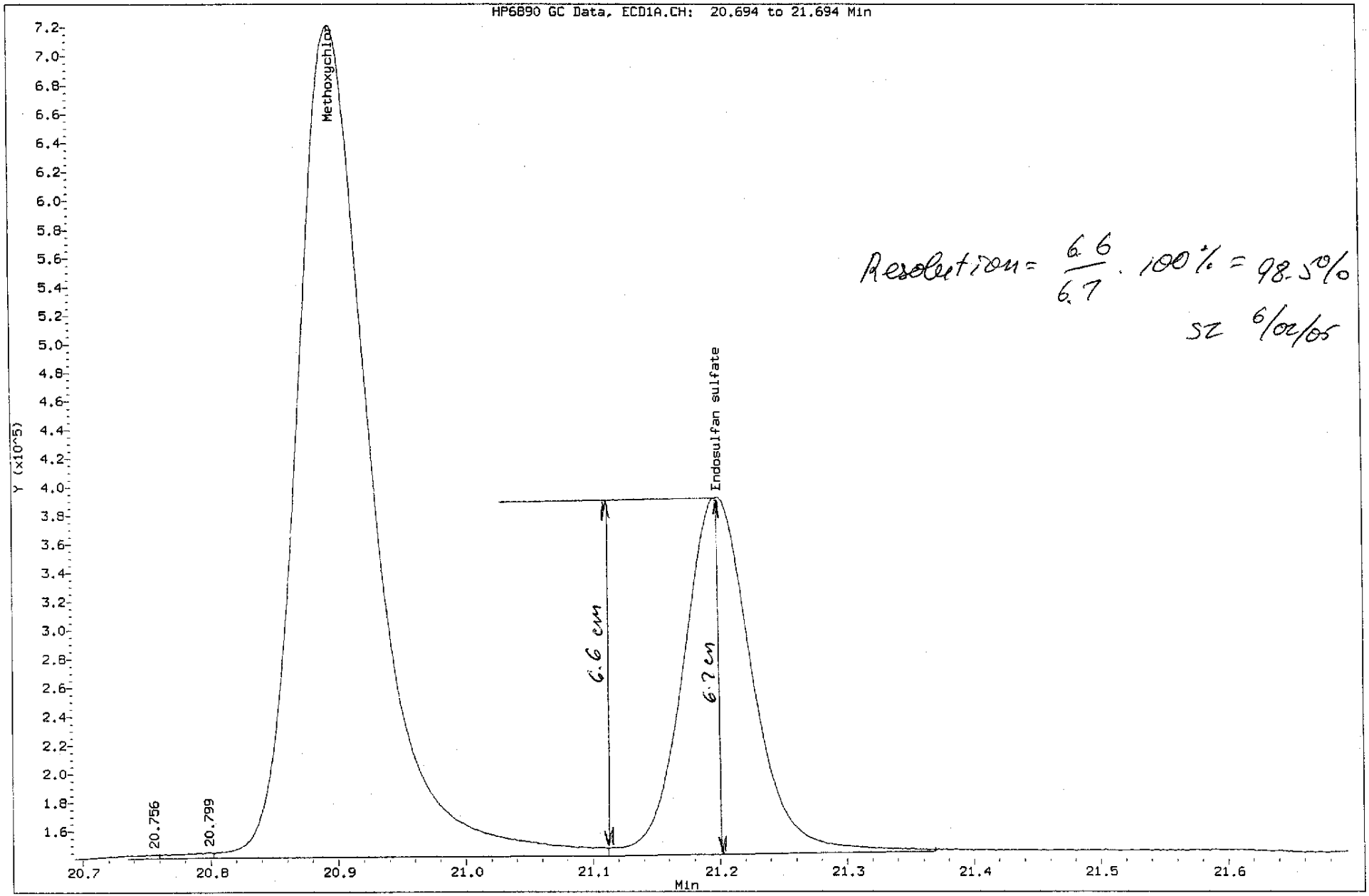


Resolution = $\frac{8.4}{9.3} \cdot 100 = 90.3\%$

SZ 6/02/05

0409

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6570F.D
Injection Date: 01-JUN-2005 15:26
Instrument: E4.i
Client Sample ID: RESCD1



Resolution = $\frac{6.6}{6.7} \cdot 100\% = 98.5\%$

SZ 6/02/05

0410

Data File: E4C6570F.D
Report Date: 03-Jun-2005 10:38

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6570F.D
Lab Smp Id: RESCD1 Client Smp ID: RESCD1
Inj Date : 01-JUN-2005 15:26
Operator : SRC: Inst ID: E4.i
Smp Info : RESCD1,RESCD1,,resc.sub,,
Misc Info : 3,,,1,,1000,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 03-Jun-2005 09:06 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 1 QC Sample: RESOLUTION
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: resc.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
11 gamma-Chlordane					CAS #: 5103-74-2		
15.6	15.6	0.000	751978	0.00997	0.0100		
10 Endosulfan I					CAS #: 959-98-8		
16.4	16.4	0.000	666211	0.00947	0.0095		
13 4,4'-DDE					CAS #: 72-55-9		
16.6	16.6	0.000	1458668	0.02087	0.021		
14 Dieldrin					CAS #: 60-57-1		
17.2	17.2	0.000	1540402	0.02039	0.020		

Data File: E4C6570F.D
Report Date: 03-Jun-2005 10:38

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
20 Endosulfan sulfate					CAS #: 1031-07-8		
21.2	21.2	0.000	936590	0.01954	0.020		
22 Endrin ketone					CAS #: 53494-70-5		
21.9	21.9	0.000	956375	0.01970	0.020		
21 Methoxychlor					CAS #: 72-43-5		
20.9	20.9	0.000	2338628	0.09695	0.097		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.06	0.000	1046021	0.02081	0.021		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	1095043	0.02103	0.021		

SZ 6/09/05

Data File: E4C6570R.D
Report Date: 03-Jun-2005 10:39

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6570R.D
Lab Smp Id: RESCD1 Client Smp ID: RESCD1
Inj Date : 01-JUN-2005 15:26
Operator : SRC: Inst ID: E4.i
Smp Info : RESCD1,RESCD1,,resc.sub,,
Misc Info : 3,,,1,,1000,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 03-Jun-2005 09:01 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 1 QC Sample: RESOLUTION
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: resc.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

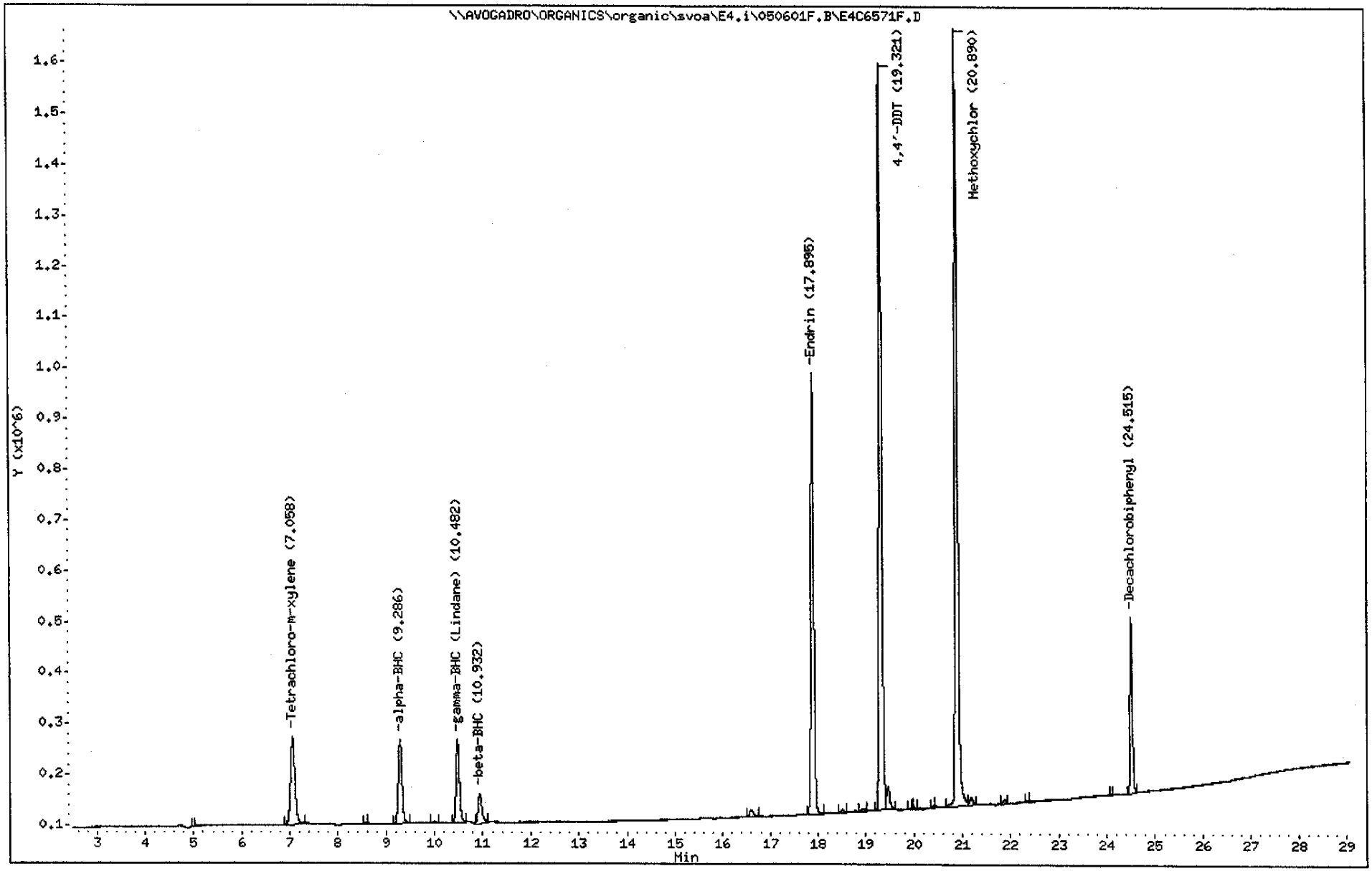
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
11 gamma-Chlordane					CAS #: 5103-74-2		
19.2	19.2	0.000	119319	0.00981	0.0098		
10 Endosulfan I					CAS #: 959-98-8		
19.8	19.8	0.000	110747	0.00950	0.0095		
13 4,4'-DDE					CAS #: 72-55-9		
20.3	20.3	0.000	218570	0.01967	0.020		
14 Dieldrin					CAS #: 60-57-1		
20.7	20.7	0.000	257636	0.01971	0.020		

Data File: E4C6570R.D
Report Date: 03-Jun-2005 10:39

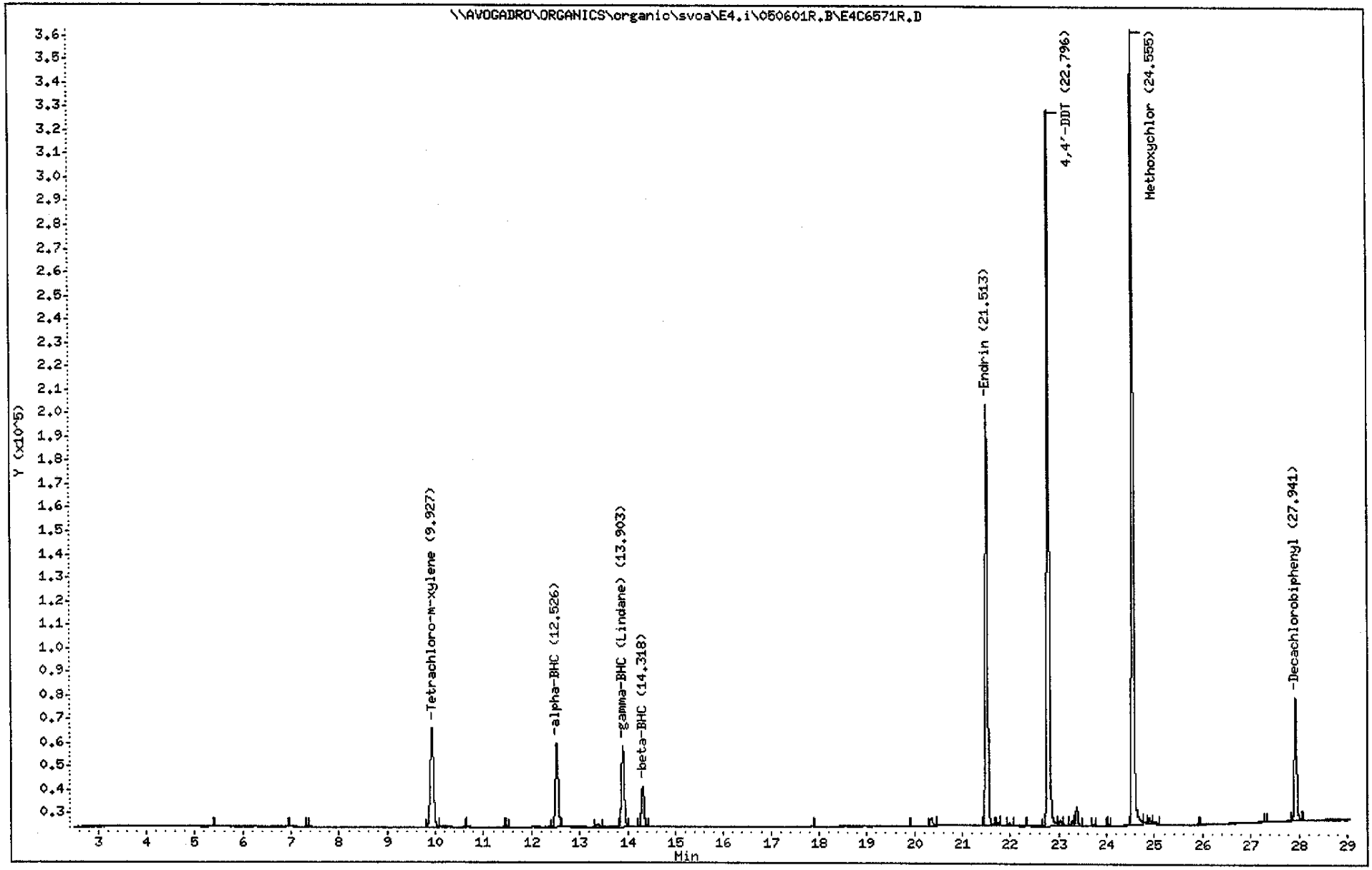
			CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
20 Endosulfan sulfate						CAS #: 1031-07-8	
23.7	23.7	0.000	132399	0.01896	0.019		
22 Endrin ketone						CAS #: 53494-70-5	
25.0	25.0	0.000	130713	0.01888	0.019		
21 Methoxychlor						CAS #: 72-43-5	
24.6	24.6	0.000	400485	0.09719	0.097		
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.92	9.92	0.000	202797	0.02068	0.021		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
27.9	27.9	0.000	170692	0.02090	0.021		

SZ 06/03/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6571F.D
Date : 01-JUN-2005 16:02
Client ID: PEMD1
Instrument: E4.i
Sample Info: PEMD1,PEMD1,,pem.sub,PEM.SPK,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6571R.D
Date : 01-JUN-2005 16:02
Client ID: PEMD1
Instrument: E4.i
Sample Info: PEMD1,PEMD1,,pem.sub,PEM.SPK,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0416

Data File: E4C6571F.D
Report Date: 03-Jun-2005 10:38

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6571F.D
Lab Smp Id: PEMD1 Client Smp ID: PEMD1
Inj Date : 01-JUN-2005 16:02
Operator : SRC: Inst ID: E4.i
Smp Info : PEMD1,PEMD1,,pem.sub,PEM.SPK,
Misc Info : 3,,PEM,1,,1000,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 03-Jun-2005 09:06 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 2 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.06	0.000	1094118	0.02176	0.022		
3 alpha-BHC					CAS #: 319-84-6		
9.29	9.29	0.000	868153	0.01024	0.010		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	803317	0.01044	0.010		
7 beta-BHC					CAS #: 319-85-7		
10.9	10.9	0.000	329447	0.01065	0.011		

Data File: E4C6571F.D
Report Date: 03-Jun-2005 10:38

				CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
RT	EXP RT	DLT RT	RESPONSE				
15 Endrin					CAS #: 72-20-8		
17.9	17.9	0.000	3600500	0.05780	0.058		
18 4,4'-DDT					CAS #: 50-29-3		
19.3	19.3	0.000	5641841	0.10699	0.11		
21 Methoxychlor					CAS #: 72-43-5		
20.9	20.9	0.000	5853843	0.24268	0.24		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	1115099	0.02141	0.021		

SZ06/04/05

Data File: E4C6571R.D
Report Date: 03-Jun-2005 10:40

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6571R.D
Lab Smp Id: PEMD1 Client Smp ID: PEMD1
Inj Date : 01-JUN-2005 16:02
Operator : SRC: Inst ID: E4.i
Smp Info : PEMD1,PEMD1,,pem.sub,PEM.SPK,
Misc Info : 3,,PEM,1,,1000,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 03-Jun-2005 09:01 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 2 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

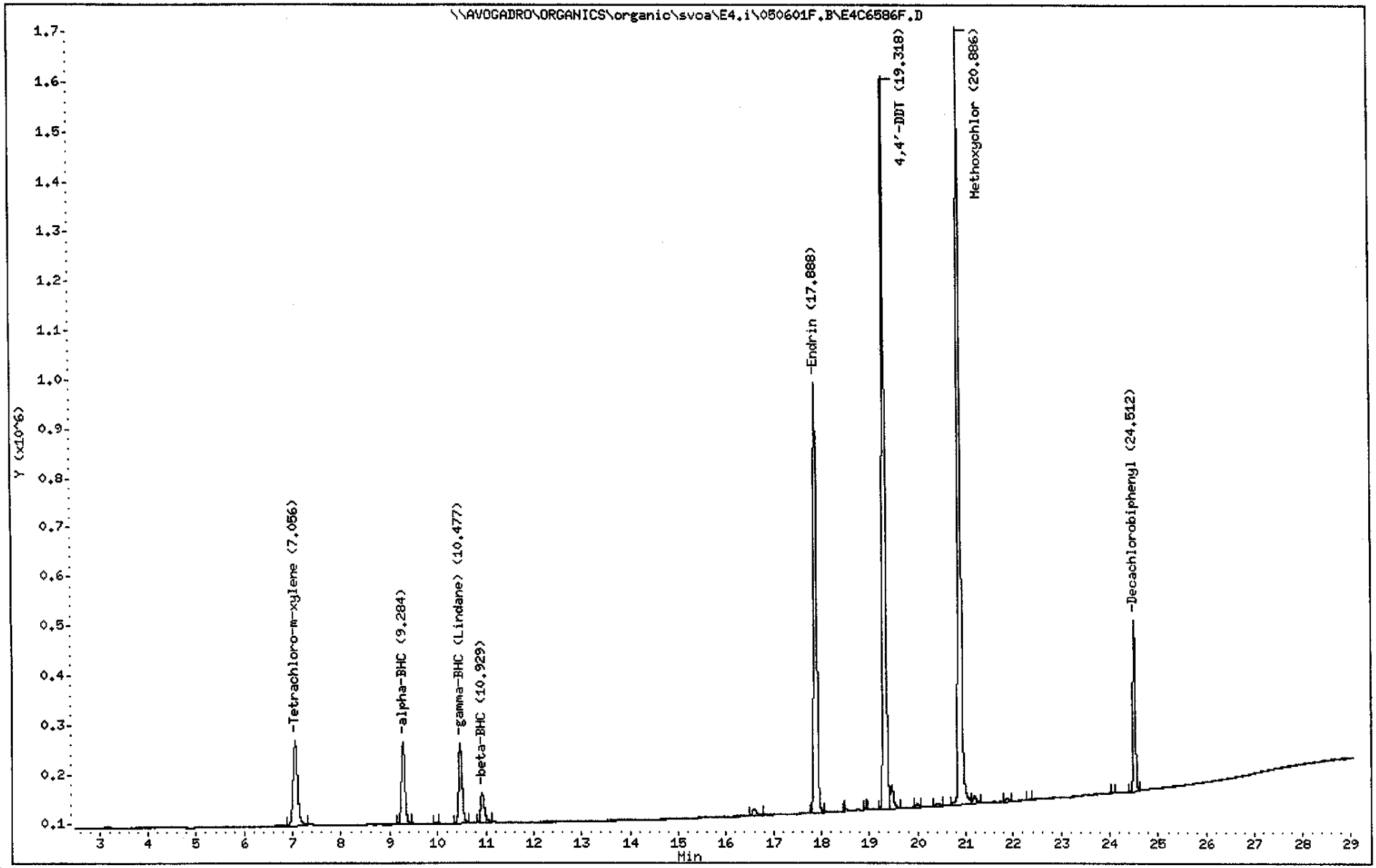
				CONCENTRATIONS ON-COL	FINAL		
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$	1 Tetrachloro-m-xylene					CAS #: 877-09-8		
	9.93	9.92	0.010	211446	0.02157	0.022		
	3 alpha-BHC					CAS #: 319-84-6		
	12.5	12.5	0.000	147749	0.01027	0.010		
	4 gamma-BHC (Lindane)					CAS #: 58-89-9		
	13.9	13.9	0.000	138511	0.01042	0.010		
	7 beta-BHC					CAS #: 319-85-7		
	14.3	14.3	0.000	68626	0.01072	0.011		

Data File: E4C6571R.D
Report Date: 03-Jun-2005 10:40

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
15 Endrin					CAS #: 72-20-8		
21.5	21.5	0.000	582743	0.06072	0.061		
18 4,4'-DDT					CAS #: 50-29-3		
22.8	22.8	0.000	933698	0.11187	0.11		
21 Methoxychlor					CAS #: 72-43-5		
24.6	24.6	0.000	1026440	0.24908	0.25		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
27.9	27.9	0.000	175859	0.02153	0.022		

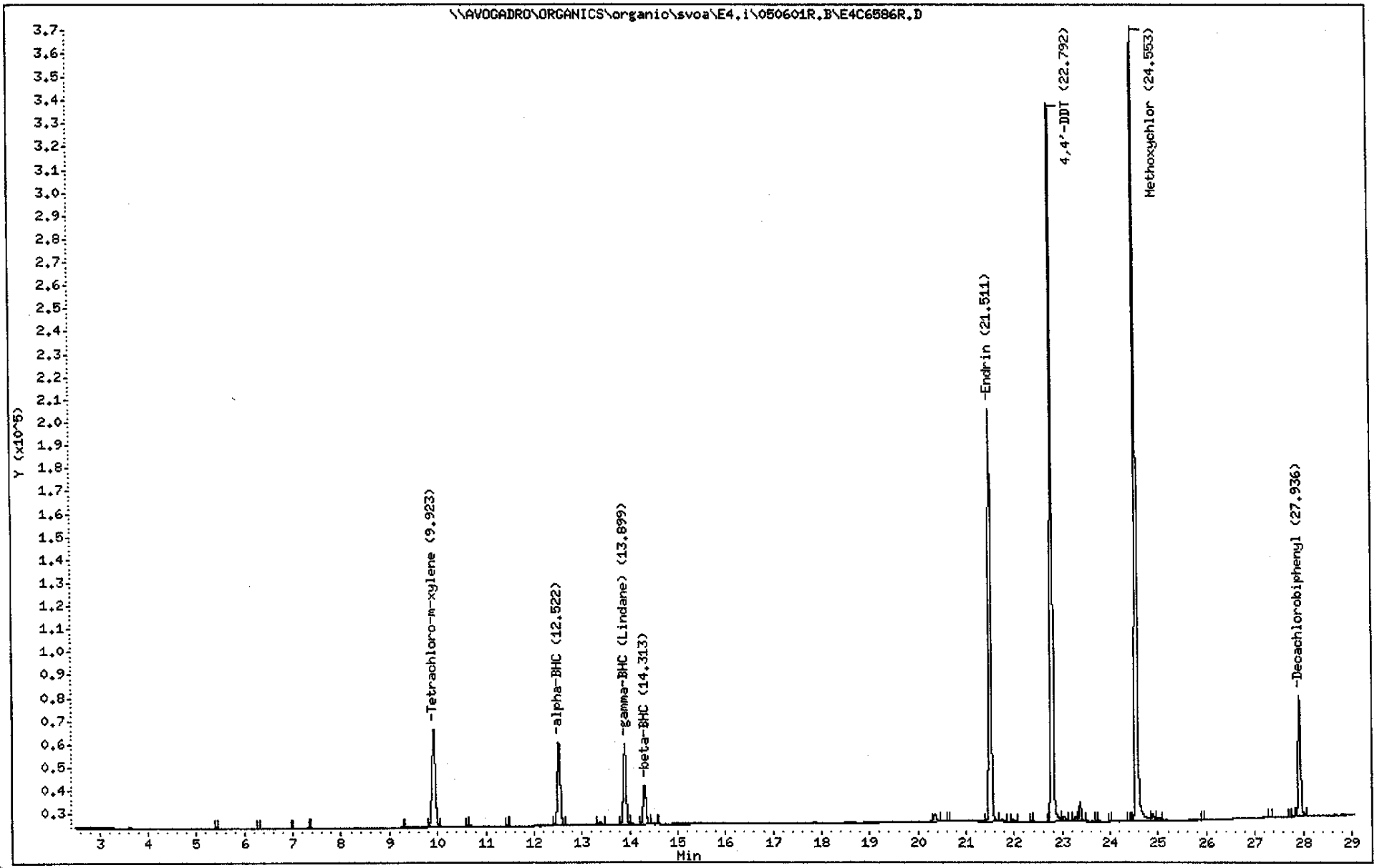
SZ 06/03/06

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6586F.D
Date : 02-JUN-2005 01:06
Client ID: PEMD2
Instrument: E4.i
Sample Info: PEMD2,PEMD2,,pem.sub,PEM.SPK,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0421

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6586R.D
Date : 02-JUN-2005 01:06
Client ID: PEMD2
Instrument: E4.i
Sample Info: PEMD2,PEMD2,,pem,sub,PEM,SPK,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0422

Data File: E4C6586F.D
Report Date: 03-Jun-2005 10:39

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6586F.D
Lab Smp Id: PEMD2 Client Smp ID: PEMD2
Inj Date : 02-JUN-2005 01:06
Operator : SRC: Inst ID: E4.i
Smp Info : PEMD2,PEMD2,,pem.sub,PEM.SPK,
Misc Info : 3,,PEM,1,,1000,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 03-Jun-2005 09:06 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 16 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.06	7.06	0.000	1085723	0.02160	0.022		
3 alpha-BHC						CAS #: 319-84-6	
9.28	9.29	-0.010	857344	0.01011	0.010		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
10.5	10.5	0.000	796900	0.01036	0.010		
7 beta-BHC						CAS #: 319-85-7	
10.9	10.9	0.000	328613	0.01062	0.011		

Data File: E4C6586F.D
Report Date: 03-Jun-2005 10:39

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
15 Endrin						CAS #: 72-20-8	
17.9	17.9	0.000	3608555	0.05793	0.058		
18 4,4'-DDT						CAS #: 50-29-3	
19.3	19.3	0.000	5735938	0.10878	0.11		
21 Methoxychlor						CAS #: 72-43-5	
20.9	20.9	0.000	6029575	0.24997	0.25		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	1109666	0.02131	0.021		

SZ 06/09/05

Data File: E4C6586R.D
Report Date: 03-Jun-2005 10:41

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6586R.D
Lab Smp Id: PEMD2 Client Smp ID: PEMD2
Inj Date : 02-JUN-2005 01:06
Operator : SRC: Inst ID: E4.i
Smp Info : PEMD2,PEMD2,,pem.sub,PEM.SPK,
Misc Info : 3,,PEM,1,,1000,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 03-Jun-2005 09:01 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 16 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

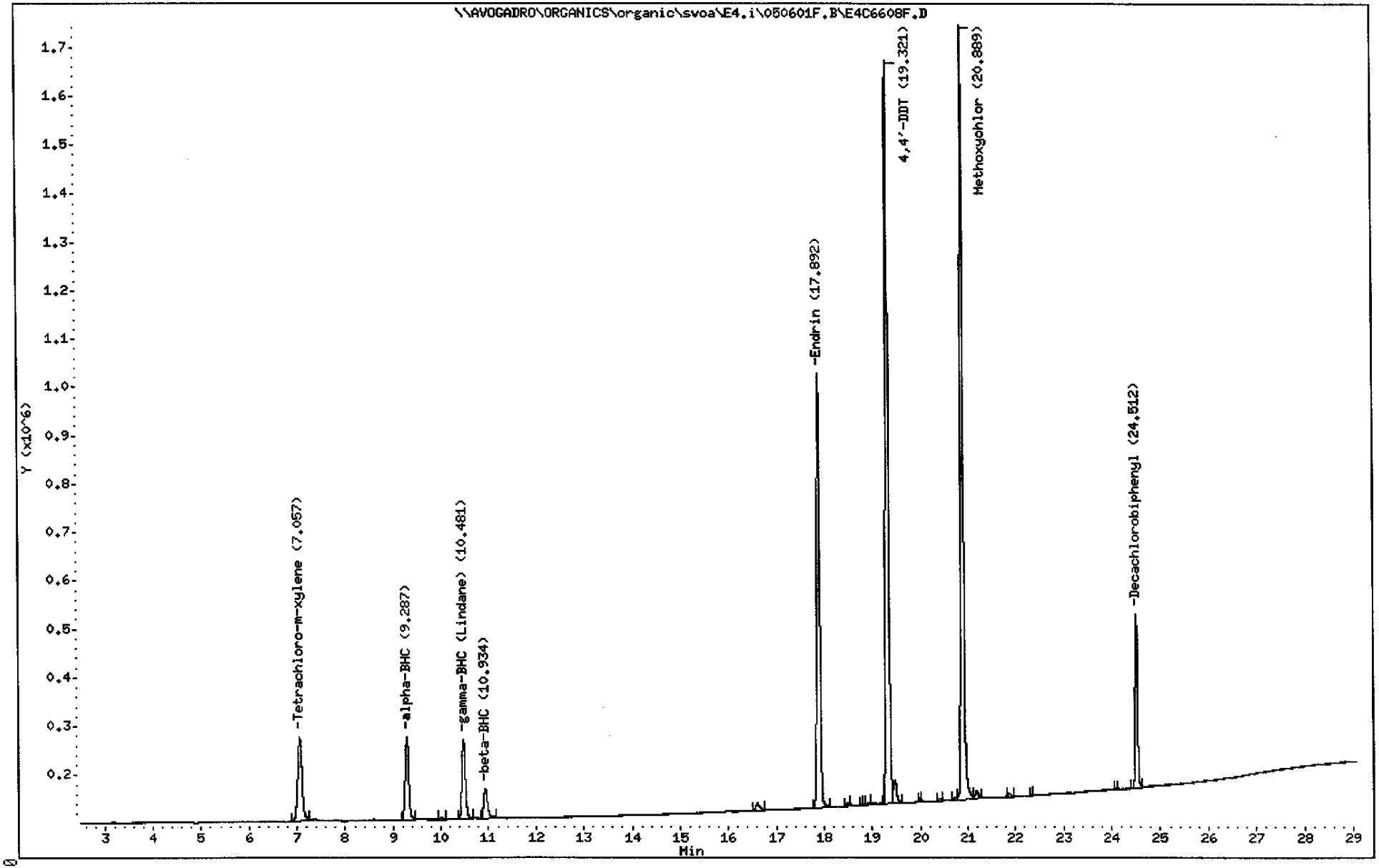
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.92	9.92	0.000	211520	0.02157	0.022		
3 alpha-BHC						CAS #: 319-84-6	
12.5	12.5	0.000	147691	0.01027	0.010		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
13.9	13.9	0.000	139372	0.01049	0.010		
7 beta-BHC						CAS #: 319-85-7	
14.3	14.3	0.000	67818	0.01059	0.011		

Data File: E4C6586R.D
Report Date: 03-Jun-2005 10:41

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
15 Endrin						CAS #: 72-20-8	
21.5	21.5	0.000	583784	0.06082	0.061		
18 4,4'-DDT						CAS #: 50-29-3	
22.8	22.8	0.000	951504	0.11400	0.11		
21 Methoxychlor						CAS #: 72-43-5	
24.6	24.6	0.000	1059571	0.25712	0.26		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
27.9	27.9	0.000	177888	0.02178	0.022		

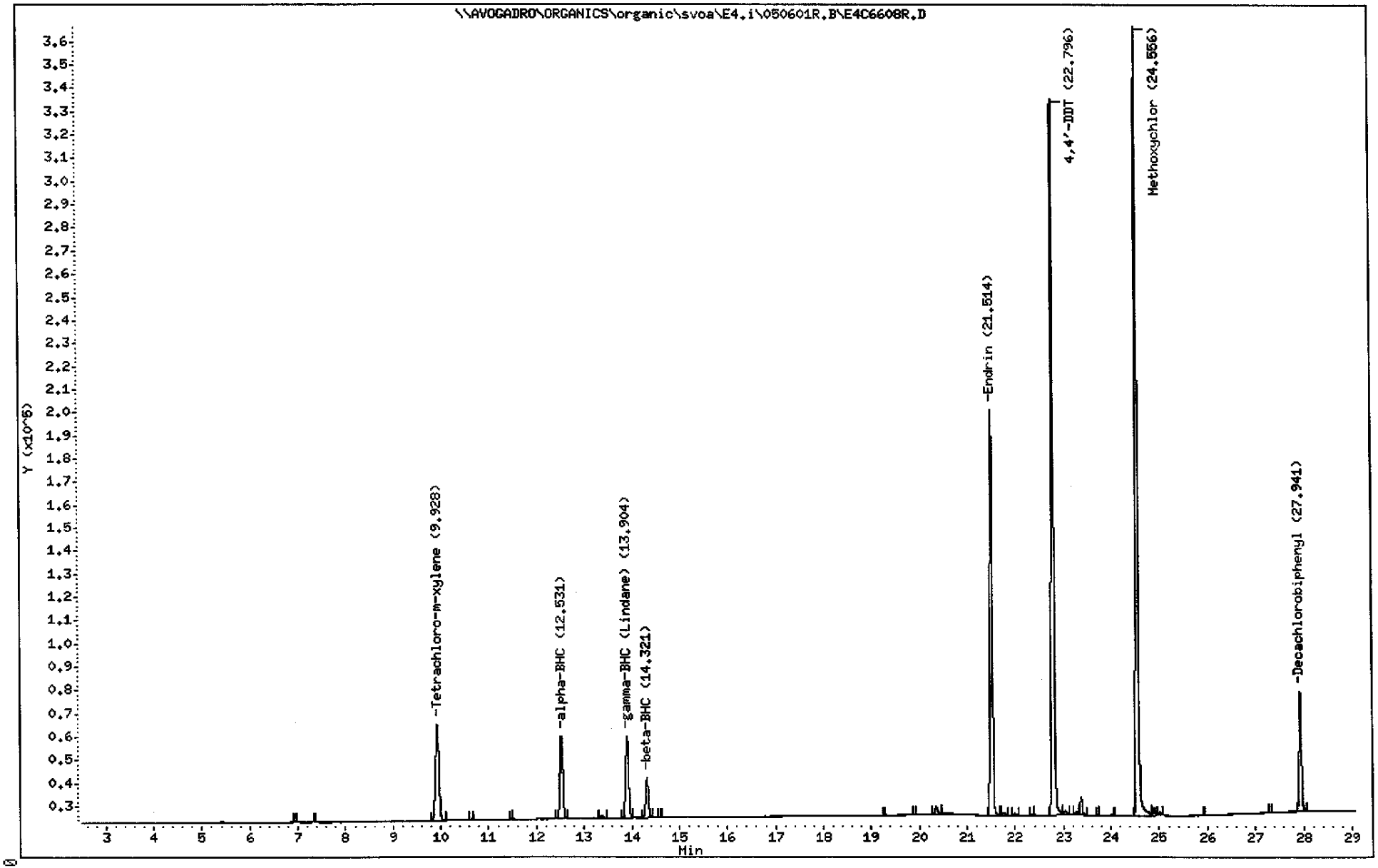
SZ 06/03/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6608F.D
Date : 02-JUN-2005 17:40
Client ID: PEMDB
Instrument: E4.i
Sample Info: PEMDB,PEMDB,,pem.sub,PEM.SPK,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0427

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6608R.D
Date : 02-JUN-2005 17:40
Client ID: PEMDB
Instrument: E4.i
Sample Info: PEMDB,PEMDB,,pem,sub,PEM.SPK,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0428

Data File: E4C6608F.D
Report Date: 09-Jun-2005 09:04

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6608F.D
Lab Smp Id: PEMDB Client Smp ID: PEMDB
Inj Date : 02-JUN-2005 17:40
Operator : SRC: Inst ID: E4.i
Smp Info : PEMDB,PEMDB,,pem.sub,PEM.SPK,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 07-Jun-2005 11:30 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 35 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.06	0.000	1088979	0.02166	0.022		
3 alpha-BHC					CAS #: 319-84-6		
9.29	9.29	0.000	879636	0.01037	0.010		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	823179	0.01070	0.011		
7 beta-BHC					CAS #: 319-85-7		
10.9	10.9	0.000	335802	0.01085	0.011		
15 Endrin					CAS #: 72-20-8		
17.9	17.9	0.000	3717314	0.05967	0.060		

sz 06/09/05

Data File: E4C6608F.D
Report Date: 09-Jun-2005 09:04

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	============	=====
18 4,4'-DDT						CAS #: 50-29-3	
19.3	19.3	0.000	5909860	0.11208	0.11		
21 Methoxychlor						CAS #: 72-43-5	
20.9	20.9	0.000	6053738	0.25097	0.25		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	1125962	0.02162	0.022		

Data File: E4C6608R.D
Report Date: 09-Jun-2005 09:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6608R.D
Lab Smp Id: PEMDB Client Smp ID: PEMDB
Inj Date : 02-JUN-2005 17:40
Operator : SRC: Inst ID: E4.i
Smp Info : PEMDB,PEMDB,,pem.sub,PEM.SPK,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 07-Jun-2005 11:28 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 35 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.93	9.92	0.010	209511	0.02137	0.021		
3 alpha-BHC						CAS #: 319-84-6	
12.5	12.5	0.000	145937	0.01015	0.010		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
13.9	13.9	0.000	138253	0.01041	0.010		
7 beta-BHC						CAS #: 319-85-7	
14.3	14.3	0.000	67577	0.01056	0.011		

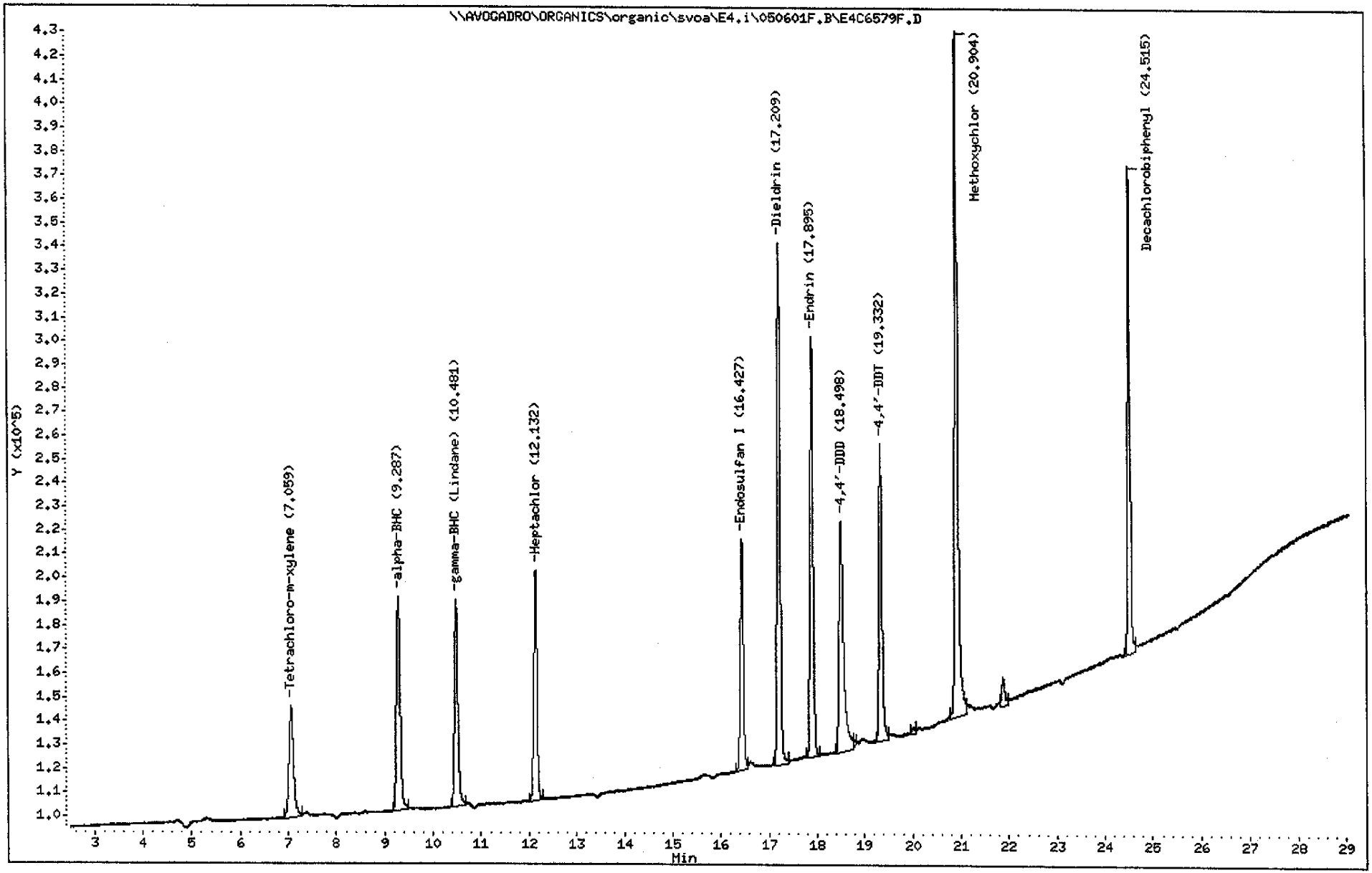
sz 06/09/05

Data File: E4C6608R.D
Report Date: 09-Jun-2005 09:05

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	=======	========	========	=======	=======	==========	=====
15 Endrin					CAS #: 72-20-8		
21.5	21.5	0.000	568736	0.05926	0.059		
18 4,4'-DDT					CAS #: 50-29-3		
22.8	22.8	0.000	932342	0.11171	0.11		
21 Methoxychlor					CAS #: 72-43-5		
24.6	24.6	0.000	1041058	0.25263	0.25		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
27.9	27.9	0.000	173495	0.02124	0.021		

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6579F.D
Date : 01-JUN-2005 20:52
Client ID: INDALD1
Sample Info: INDALD1,INDALD1,,inda.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

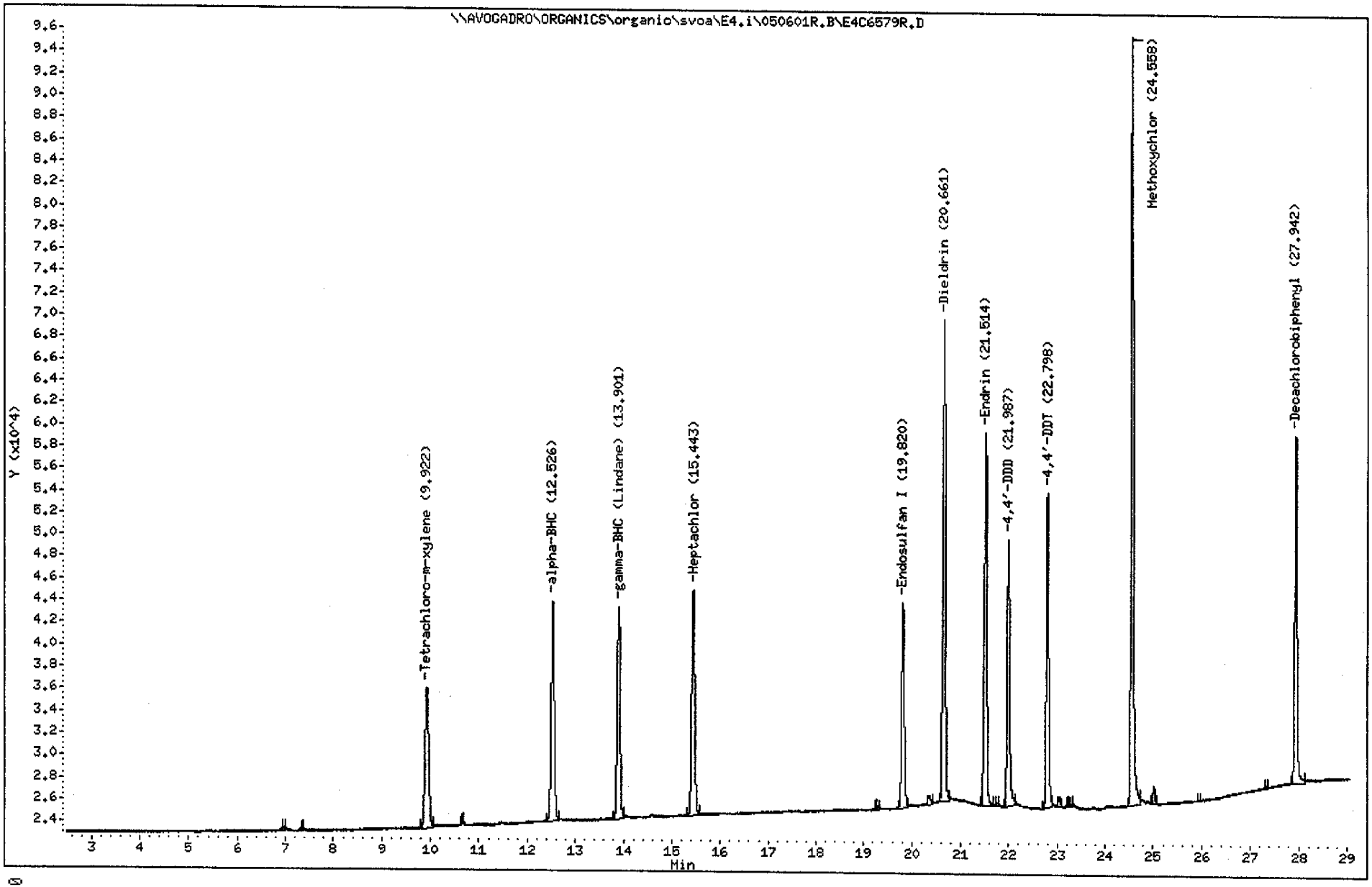
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0433

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6579R.D
Date : 01-JUN-2005 20:52
Client ID: INDALD1
Sample Info: INDALD1,INDALD1,,inda.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



Data File: E4C6579F.D
Report Date: 03-Jun-2005 10:39

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6579F.D
Lab Smp Id: INDALD1 Client Smp ID: INDALD1
Inj Date : 01-JUN-2005 20:52
Operator : SRC: Inst ID: E4.i
Smp Info : INDALD1,INDALD1,,inda.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 03-Jun-2005 09:06 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$	1 Tetrachloro-m-xylene					CAS #: 877-09-8		
	7.06	7.06	0.000	316080	0.00500	0.0063		(a)
	3 alpha-BHC					CAS #: 319-84-6		
	9.29	9.29	0.000	481683	0.00500	0.0057		(a)
	4 gamma-BHC (Lindane)					CAS #: 58-89-9		
	10.5	10.5	0.000	443336	0.00500	0.0058		(a)
	5 Heptachlor					CAS #: 76-44-8		
	12.1	12.1	0.000	451478	0.00500	0.0060		(a)

Data File: E4C6579F.D
Report Date: 03-Jun-2005 10:39

				AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
RT	EXP RT	DLT RT	RESPONSE					
10 Endosulfan I						CAS #: 959-98-8		
16.4	16.4	0.000	423425	0.00500	0.0060			(a)
14 Dieldrin						CAS #: 60-57-1		
17.2	17.2	0.000	915508	0.01000	0.012			(a)
15 Endrin						CAS #: 72-20-8		
17.9	17.9	0.000	748505	0.01000	0.012			(a)
16 4,4'-DDD						CAS #: 72-54-8		
18.5	18.5	0.000	621969	0.01000	0.011			(a)
18 4,4'-DDT						CAS #: 50-29-3		
19.3	19.3	0.000	549395	0.01000	0.010			(a)
21 Methoxychlor						CAS #: 72-43-5		
20.9	20.9	0.000	1290884	0.05000	0.054			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
24.5	24.5	0.000	682896	0.01000	0.013			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SZ 06/03/05

Data File: E4C6579R.D
Report Date: 03-Jun-2005 10:40

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6579R.D
Lab Smp Id: INDALD1 Client Smp ID: INDALD1
Inj Date : 01-JUN-2005 20:52
Operator : SRC: Inst ID: E4.i
Smp Info : INDALD1,INDALD1,,inda.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 03-Jun-2005 09:01 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.92	9.92	0.000	63536	0.00500	0.0065		(a)
3 alpha-BHC					CAS #: 319-84-6		
12.5	12.5	0.000	83651	0.00500	0.0058		(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
13.9	13.9	0.000	78232	0.00500	0.0059		(a)
5 Heptachlor					CAS #: 76-44-8		
15.4	15.4	0.000	84705	0.00500	0.0061		(a)

Data File: E4C6579R.D
Report Date: 03-Jun-2005 10:40

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
10 Endosulfan I						CAS #: 959-98-8	
19.8	19.8	0.000	70793	0.00500	0.0061		(a)
14 Dieldrin						CAS #: 60-57-1	
20.7	20.7	0.000	153819	0.01000	0.012		(a)
15 Endrin						CAS #: 72-20-8	
21.5	21.5	0.000	114851	0.01000	0.012		(a)
16 4,4'-DDD						CAS #: 72-54-8	
22.0	22.0	0.000	84688	0.01000	0.011		(a)
18 4,4'-DDT						CAS #: 50-29-3	
22.8	22.8	0.000	91681	0.01000	0.011		(a)
21 Methoxychlor						CAS #: 72-43-5	
24.6	24.6	0.000	225765	0.05000	0.055		(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
27.9	27.9	0.000	109349	0.01000	0.013		(a)

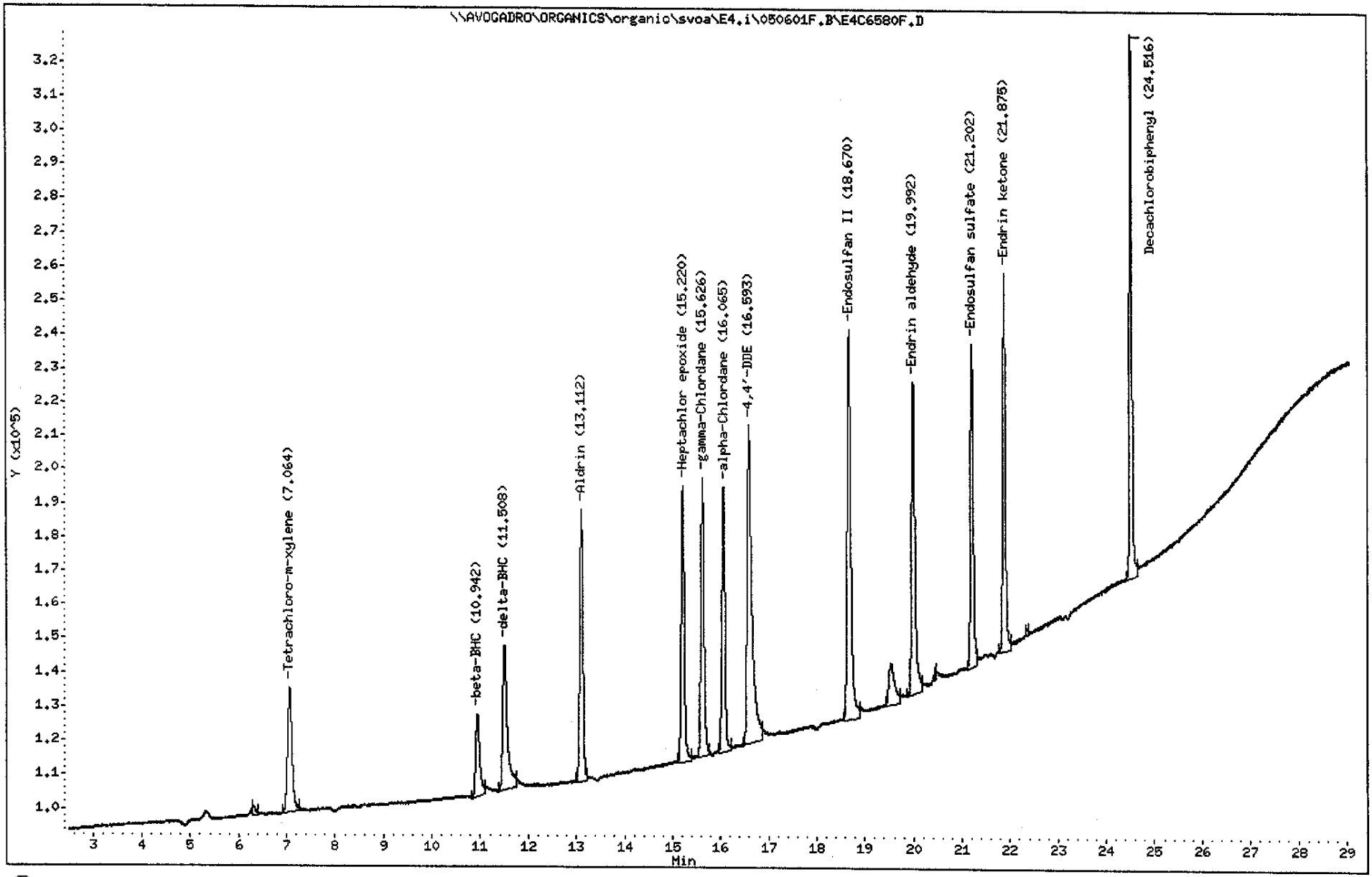
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SZ 06/03/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6580F.D
Date : 01-JUN-2005 21:28
Client ID: INDBLD1
Sample Info: INDBLD1,INDBLD1,,indb,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

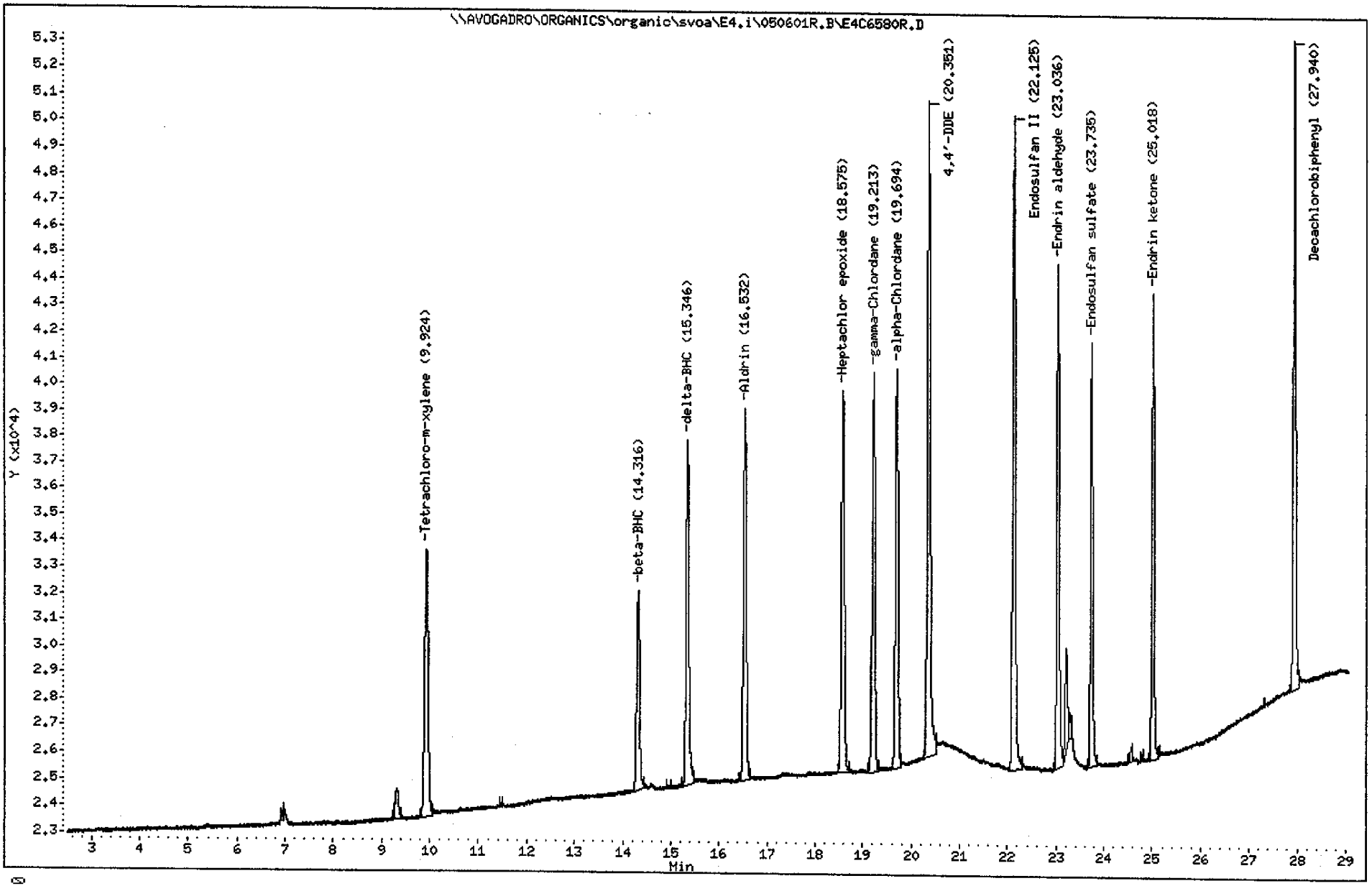
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0439

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6580R.D
Date : 01-JUN-2005 21:28
Client ID: INDBLD1
Sample Info: INDBLD1,INDBLD1,,indb,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0440

Data File: E4C6580F.D
Report Date: 03-Jun-2005 10:39

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6580F.D
Lab Smp Id: INDBLD1 Client Smp ID: INDBLD1
Inj Date : 01-JUN-2005 21:28
Operator : SRC: Inst ID: E4.i
Smp Info : INDBLD1,INDBLD1,,indb.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 03-Jun-2005 09:06 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.06	0.000	240915	0.00500	0.0048		(a)
6 Aldrin					CAS #: 309-00-2		
13.1	13.1	0.000	360892	0.00500	0.0047		(a)
7 beta-BHC					CAS #: 319-85-7		
10.9	10.9	0.000	145977	0.00500	0.0047		(a)
8 delta-BHC					CAS #: 319-86-8		
11.5	11.5	0.000	289784	0.00500	0.0042		(a)

Data File: E4C6580F.D
Report Date: 03-Jun-2005 10:39

				AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
RT	EXP RT	DLT RT	RESPONSE				
9 Heptachlor epoxide					CAS #: 1024-57-3		
15.2	15.2	0.000	358688	0.00500	0.0050		(a)
11 gamma-Chlordane					CAS #: 5103-74-2		
15.6	15.6	0.000	362660	0.00500	0.0048		(a)
12 alpha-Chlordane					CAS #: 5103-71-9		
16.1	16.1	0.000	344200	0.00500	0.0049		(a)
13 4,4'-DDE					CAS #: 72-55-9		
16.6	16.6	0.000	646716	0.01000	0.0093		(a)
17 Endosulfan II					CAS #: 33213-65-9		
18.7	18.7	0.000	609231	0.01000	0.0099		(a)
19 Endrin aldehyde					CAS #: 7421-93-4		
20.0	20.0	0.000	435306	0.01000	0.0097		(a)
20 Endosulfan sulfate					CAS #: 1031-07-8		
21.2	21.2	0.000	367235	0.01000	0.0077		(a)
22 Endrin ketone					CAS #: 53494-70-5		
21.9	21.9	0.000	411391	0.01000	0.0085		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	543625	0.01000	0.010		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SZ 06/03/05

Data File: E4C6580R.D
Report Date: 03-Jun-2005 10:40

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6580R.D
Lab Smp Id: INDBLD1 Client Smp ID: INDBLD1
Inj Date : 01-JUN-2005 21:28
Operator : SRC: Inst ID: E4.i
Smp Info : INDBLD1,INDBLD1,,indb.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 03-Jun-2005 09:01 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)		
RT	EXP RT	DLT RT	RESPONSE			TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.92	9.92	0.000	50509	0.00500	0.0052		(a)
6 Aldrin					CAS #: 309-00-2		
16.5	16.5	0.000	57628	0.00500	0.0048		(a)
7 beta-BHC					CAS #: 319-85-7		
14.3	14.3	0.000	30556	0.00500	0.0048		(a)
8 delta-BHC					CAS #: 319-86-8		
15.3	15.3	0.000	53229	0.00500	0.0044		(a)

Data File: E4C6580R.D
Report Date: 03-Jun-2005 10:40

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
9 Heptachlor epoxide						CAS #: 1024-57-3	
18.6	18.6	0.000	58929	0.00500	0.0049		(a)
11 gamma-Chlordane						CAS #: 5103-74-2	
19.2	19.2	0.000	59804	0.00500	0.0049		(a)
12 alpha-Chlordane						CAS #: 5103-71-9	
19.7	19.7	0.000	56732	0.00500	0.0049		(a)
13 4,4'-DDE						CAS #: 72-55-9	
20.4	20.3	0.100	98275	0.01000	0.0088		(a)
17 Endosulfan II						CAS #: 33213-65-9	
22.1	22.1	0.000	89970	0.01000	0.0095		(a)
19 Endrin aldehyde						CAS #: 7421-93-4	
23.0	23.0	0.000	65094	0.01000	0.0093		(a)
20 Endosulfan sulfate						CAS #: 1031-07-8	
23.7	23.7	0.000	52728	0.01000	0.0076		(a)
22 Endrin ketone						CAS #: 53494-70-5	
25.0	25.0	0.000	54893	0.01000	0.0079		(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
27.9	27.9	0.000	84757	0.01000	0.010		(a)

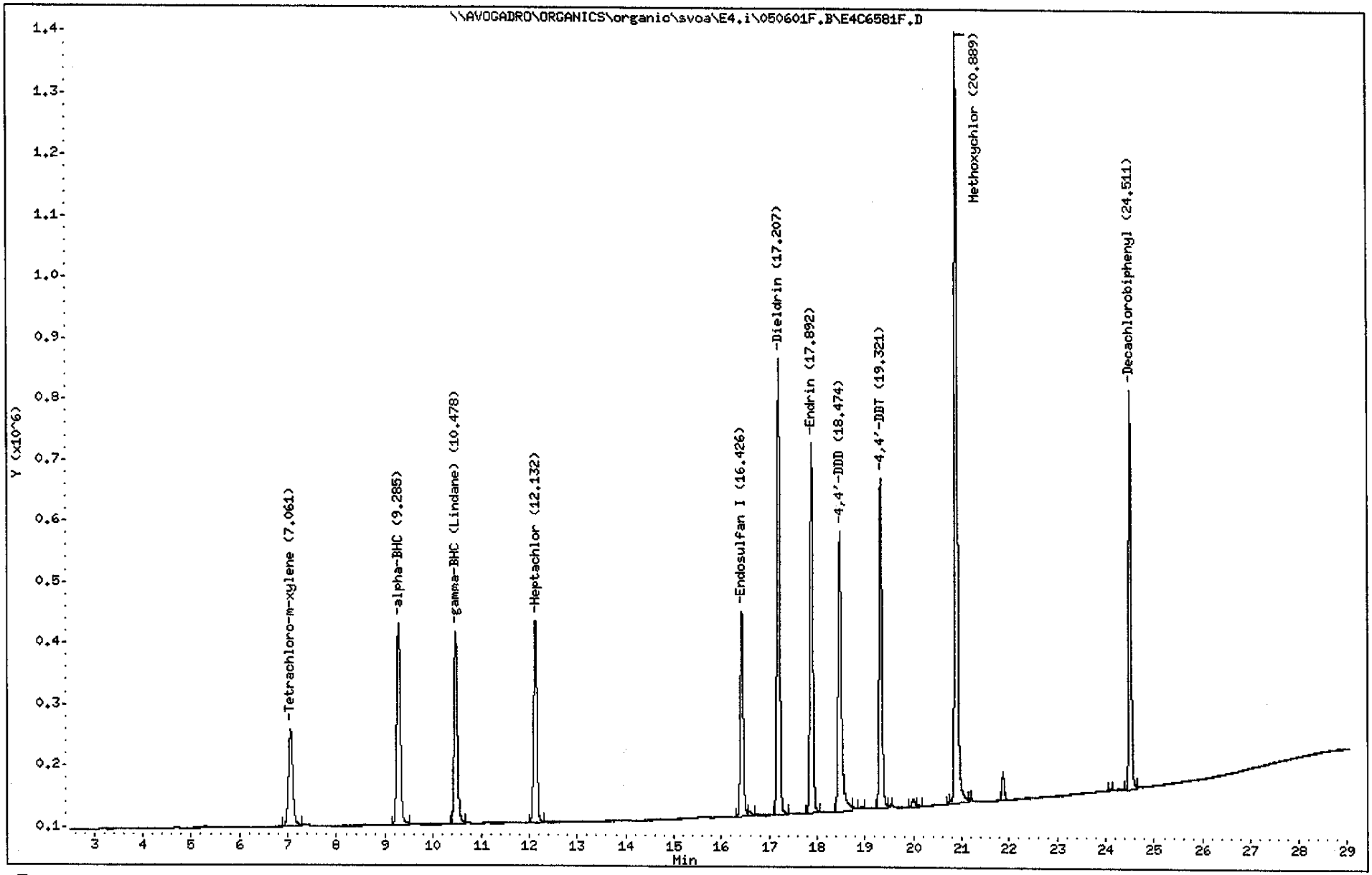
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SZ 06/03/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6581F.D
Date : 01-JUN-2005 22:05
Client ID: INDAMD1
Sample Info: INDAMD1,INDAMD1,,inda,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

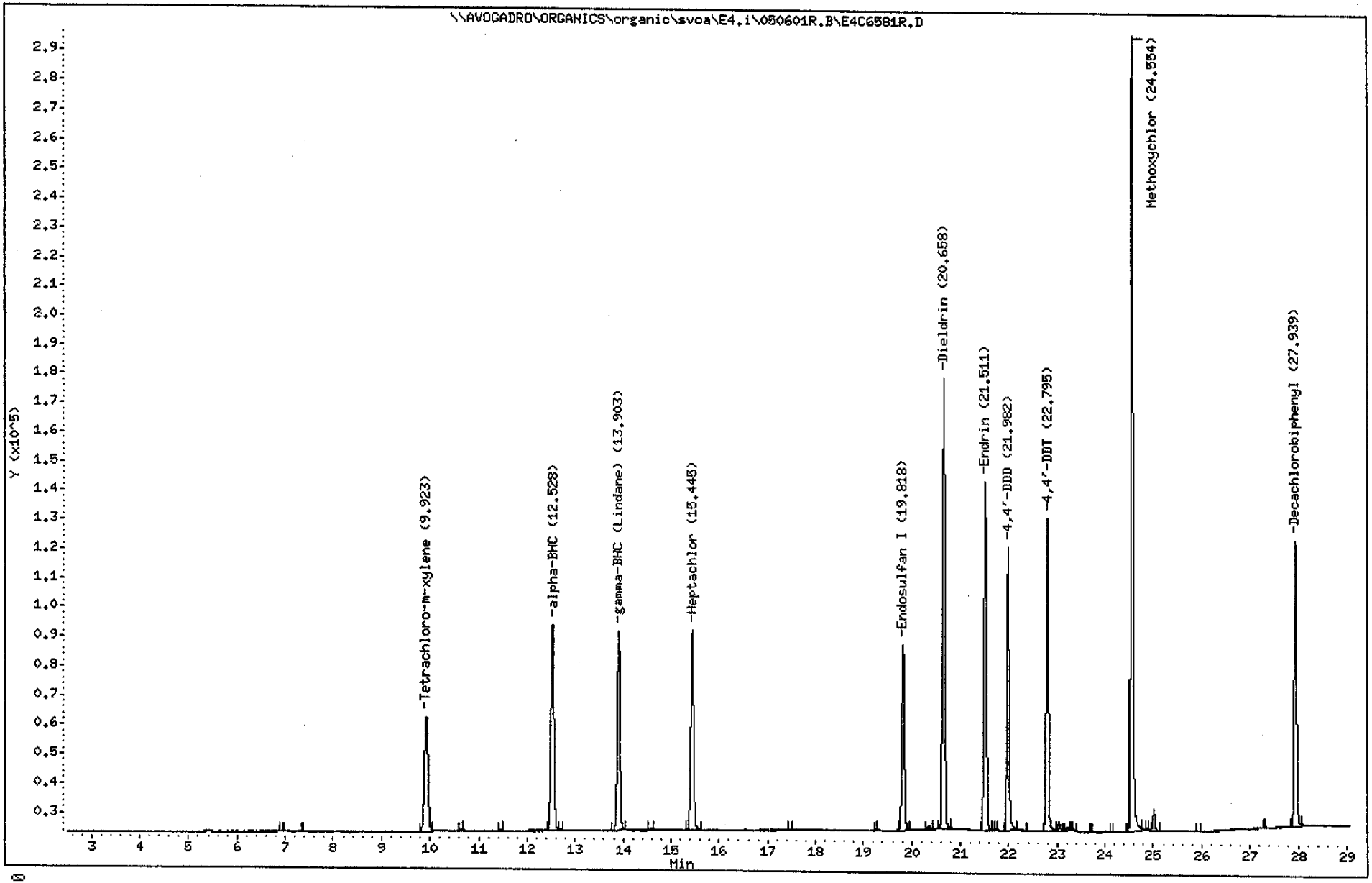
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0445

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6581R.D
Date : 01-JUN-2005 22:05
Client ID: INDAMD1
Sample Info: INDAMD1,INDAMD1,,inda.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0446

Data File: E4C6581F.D
Report Date: 03-Jun-2005 10:39

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6581F.D
Lab Smp Id: INDAMD1 Client Smp ID: INDAMD1
Inj Date : 01-JUN-2005 22:05
Operator : SRC: Inst ID: E4.i
Smp Info : INDAMD1,INDAMD1,,inda.sub,,
Misc Info : 1,2,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 03-Jun-2005 09:06 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$	1 Tetrachloro-m-xylene					CAS #: 877-09-8		
	7.06	7.06	0.000	1005515	0.02000	0.020		(a)
	3 alpha-BHC					CAS #: 319-84-6		
	9.29	9.29	0.000	1696026	0.02000	0.020		(a)
	4 gamma-BHC (Lindane)					CAS #: 58-89-9		
	10.5	10.5	0.000	1538579	0.02000	0.020		(a)
	5 Heptachlor					CAS #: 76-44-8		
	12.1	12.1	0.000	1517068	0.02000	0.020		(a)

Data File: E4C6581F.D
Report Date: 03-Jun-2005 10:39

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
10 Endosulfan I						CAS #: 959-98-8	
16.4	16.4	0.000	1407588	0.02000	0.020		(a)
14 Dieldrin						CAS #: 60-57-1	
17.2	17.2	0.000	3021215	0.04000	0.040		(a)
15 Endrin						CAS #: 72-20-8	
17.9	17.9	0.000	2491801	0.04000	0.040		(a)
16 4,4'-DDD						CAS #: 72-54-8	
18.5	18.5	0.000	2231720	0.04000	0.040		(a)
18 4,4'-DDT						CAS #: 50-29-3	
19.3	19.3	0.000	2109224	0.04000	0.040		(a)
21 Methoxychlor						CAS #: 72-43-5	
20.9	20.9	0.000	4824334	0.20000	0.20		(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	2082873	0.04000	0.040		(a)

SZ 06/03/05

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6581R.D
Report Date: 03-Jun-2005 10:40

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6581R.D
Lab Smp Id: INDAMD1 Client Smp ID: INDAMD1
Inj Date : 01-JUN-2005 22:05
Operator : SRC: Inst ID: E4.i
Smp Info : INDAMD1,INDAMD1,,inda.sub,,
Misc Info : 1,2,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 03-Jun-2005 09:01 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.92	9.92	0.000	196101	0.02000	0.020		(a)
3 alpha-BHC					CAS #: 319-84-6		
12.5	12.5	0.000	287609	0.02000	0.020		(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
13.9	13.9	0.000	265730	0.02000	0.020		(a)
5 Heptachlor					CAS #: 76-44-8		
15.4	15.4	0.000	279178	0.02000	0.020		(a)

Data File: E4C6581R.D
Report Date: 03-Jun-2005 10:40

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
10 Endosulfan I						CAS #: 959-98-8	
19.8	19.8	0.000	233272	0.02000	0.020		(a)
14 Dieldrin						CAS #: 60-57-1	
20.7	20.7	0.000	522965	0.04000	0.040		(a)
15 Endrin						CAS #: 72-20-8	
21.5	21.5	0.000	383913	0.04000	0.040		(a)
16 4,4'-DDD						CAS #: 72-54-8	
22.0	22.0	0.000	311876	0.04000	0.040		(a)
18 4,4'-DDT						CAS #: 50-29-3	
22.8	22.8	0.000	333852	0.04000	0.040		(a)
21 Methoxychlor						CAS #: 72-43-5	
24.6	24.6	0.000	824169	0.20000	0.20		(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
27.9	27.9	0.000	326705	0.04000	0.040		(a)

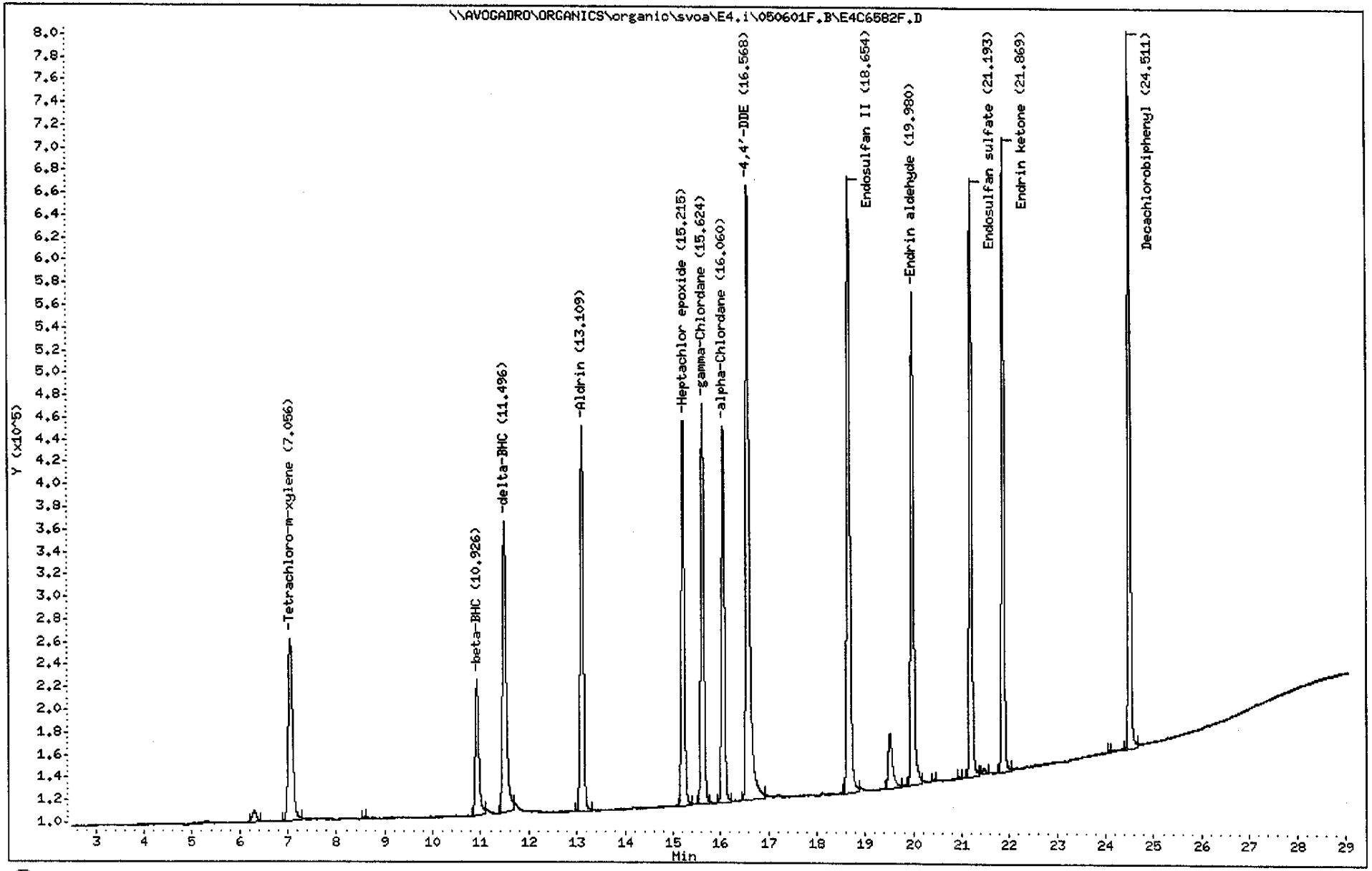
SZ06/03/05

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6582F.D
Date : 01-JUN-2005 22:41
Client ID: INDBMD1
Sample Info: INDBMD1,INDBMD1,,indb,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

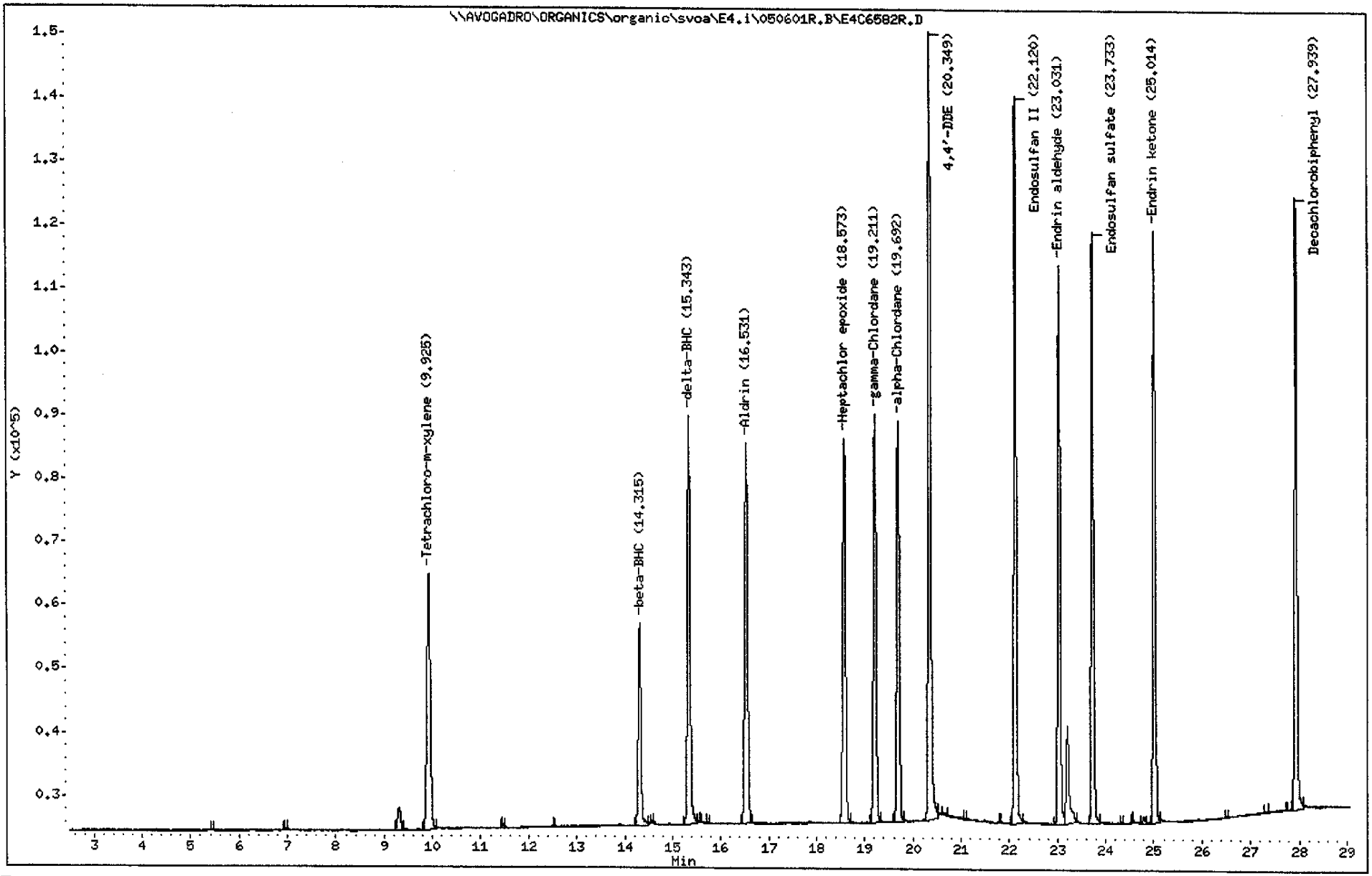
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0451

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6582R.D
Date : 01-JUN-2005 22:41
Client ID: INDBMD1
Sample Info: INDBMD1,INDBMD1,,indb.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



Data File: E4C6582F.D
Report Date: 03-Jun-2005 10:39

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6582F.D
Lab Smp Id: INDBMD1 Client Smp ID: INDBMD1
Inj Date : 01-JUN-2005 22:41
Operator : SRC: Inst ID: E4.i
Smp Info : INDBMD1,INDBMD1,,indb.sub,,
Misc Info : 1,2,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 03-Jun-2005 09:06 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$	1 Tetrachloro-m-xylene					CAS #: 877-09-8		
	7.06	7.06	0.000	1020460	0.02000	0.020		(a)
	6 Aldrin					CAS #: 309-00-2		
	13.1	13.1	0.000	1527964	0.02000	0.020		(a)
	7 beta-BHC					CAS #: 319-85-7		
	10.9	10.9	0.000	618886	0.02000	0.020		(a)
	8 delta-BHC					CAS #: 319-86-8		
	11.5	11.5	0.000	1370043	0.02000	0.020		(a)

Data File: E4C6582F.D
Report Date: 03-Jun-2005 10:39

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
9 Heptachlor epoxide						CAS #: 1024-57-3	
15.2	15.2	0.000	1449211	0.02000	0.020		(a)
11 gamma-Chlordane						CAS #: 5103-74-2	
15.6	15.6	0.000	1508477	0.02000	0.020		(a)
12 alpha-Chlordane						CAS #: 5103-71-9	
16.1	16.1	0.000	1392693	0.02000	0.020		(a)
13 4,4'-DDE						CAS #: 72-55-9	
16.6	16.6	0.000	2796006	0.04000	0.040		(a)
17 Endosulfan II						CAS #: 33213-65-9	
18.7	18.7	0.000	2466652	0.04000	0.040		(a)
19 Endrin aldehyde						CAS #: 7421-93-4	
20.0	20.0	0.000	1798600	0.04000	0.040		(a)
20 Endosulfan sulfate						CAS #: 1031-07-8	
21.2	21.2	0.000	1917354	0.04000	0.040		(a)
22 Endrin ketone						CAS #: 53494-70-5	
21.9	21.9	0.000	1942266	0.04000	0.040		(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	2040372	0.04000	0.039		(a)

SZ 06/03/05

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6582R.D
Report Date: 03-Jun-2005 10:41

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6582R.D
Lab Smp Id: INDBMD1 Client Smp ID: INDBMD1
Inj Date : 01-JUN-2005 22:41
Operator : SRC: Inst ID: E4.i
Smp Info : INDBMD1,INDBMD1,,indb.sub,,
Misc Info : 1,2,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 03-Jun-2005 09:01 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$	1 Tetrachloro-m-xylene					CAS #: 877-09-8		
	9.92	9.92	0.000	199935	0.02000	0.020		(a)
	6 Aldrin					CAS #: 309-00-2		
	16.5	16.5	0.000	240282	0.02000	0.020		(a)
	7 beta-BHC					CAS #: 319-85-7		
	14.3	14.3	0.000	128042	0.02000	0.020		(a)
	8 delta-BHC					CAS #: 319-86-8		
	15.3	15.3	0.000	243662	0.02000	0.020		(a)

Data File: E4C6582R.D
Report Date: 03-Jun-2005 10:41

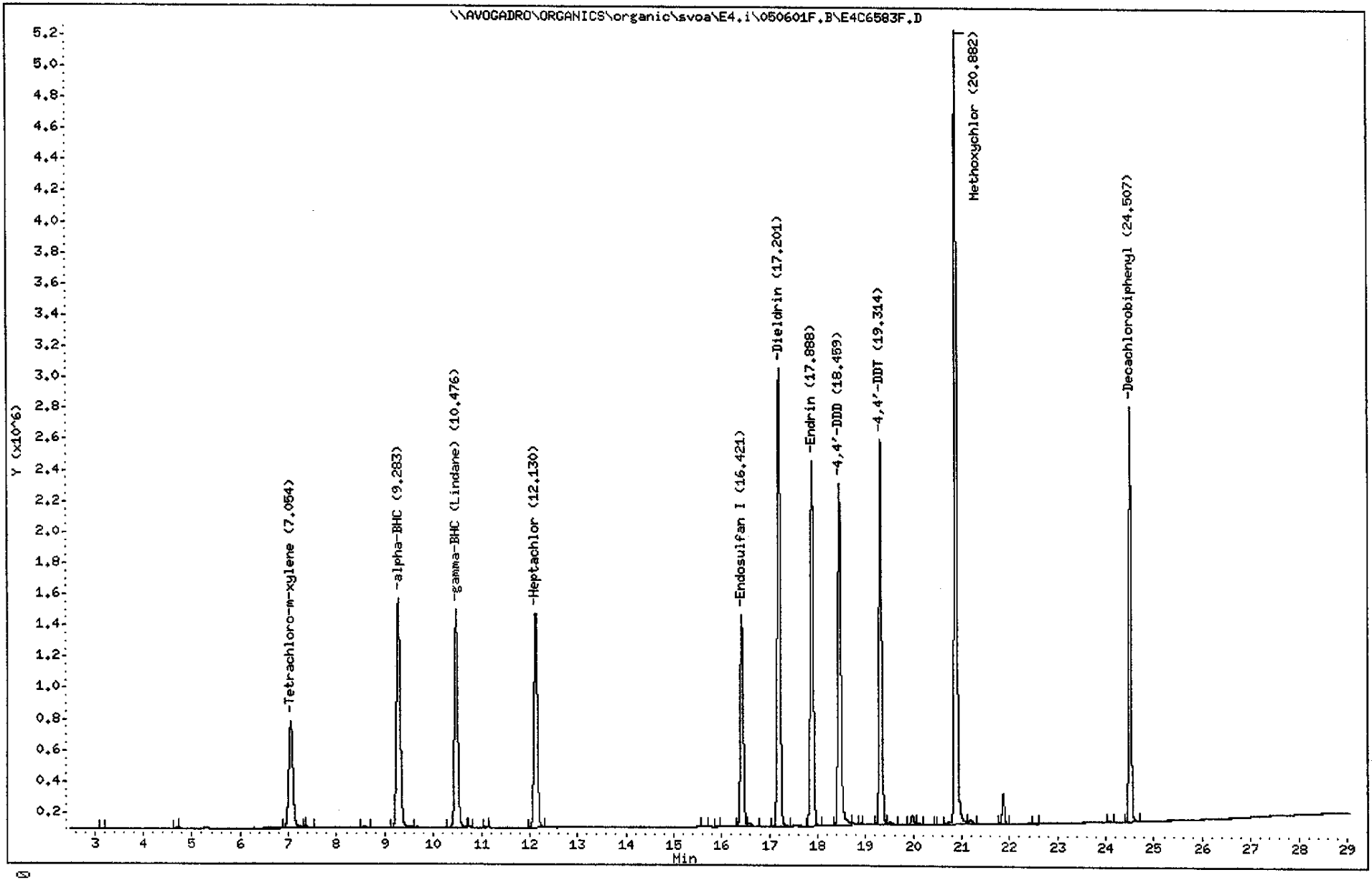
				AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
RT	EXP RT	DLT RT	RESPONSE					
9 Heptachlor epoxide						CAS #: 1024-57-3		
18.6	18.6	0.000	240720	0.02000	0.020			(a)
11 gamma-Chlordane						CAS #: 5103-74-2		
19.2	19.2	0.000	243236	0.02000	0.020			(a)
12 alpha-Chlordane						CAS #: 5103-71-9		
19.7	19.7	0.000	232997	0.02000	0.020			(a)
13 4,4'-DDE						CAS #: 72-55-9		
20.3	20.3	0.000	444372	0.04000	0.040			(a)
17 Endosulfan II						CAS #: 33213-65-9		
22.1	22.1	0.000	379642	0.04000	0.040			(a)
19 Endrin aldehyde						CAS #: 7421-93-4		
23.0	23.0	0.000	279200	0.04000	0.040			(a)
20 Endosulfan sulfate						CAS #: 1031-07-8		
23.7	23.7	0.000	289216	0.04000	0.041			(a)
22 Endrin ketone						CAS #: 53494-70-5		
25.0	25.0	0.000	276881	0.04000	0.040			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
27.9	27.9	0.000	327416	0.04000	0.040			(a)

SC 06/03/05

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

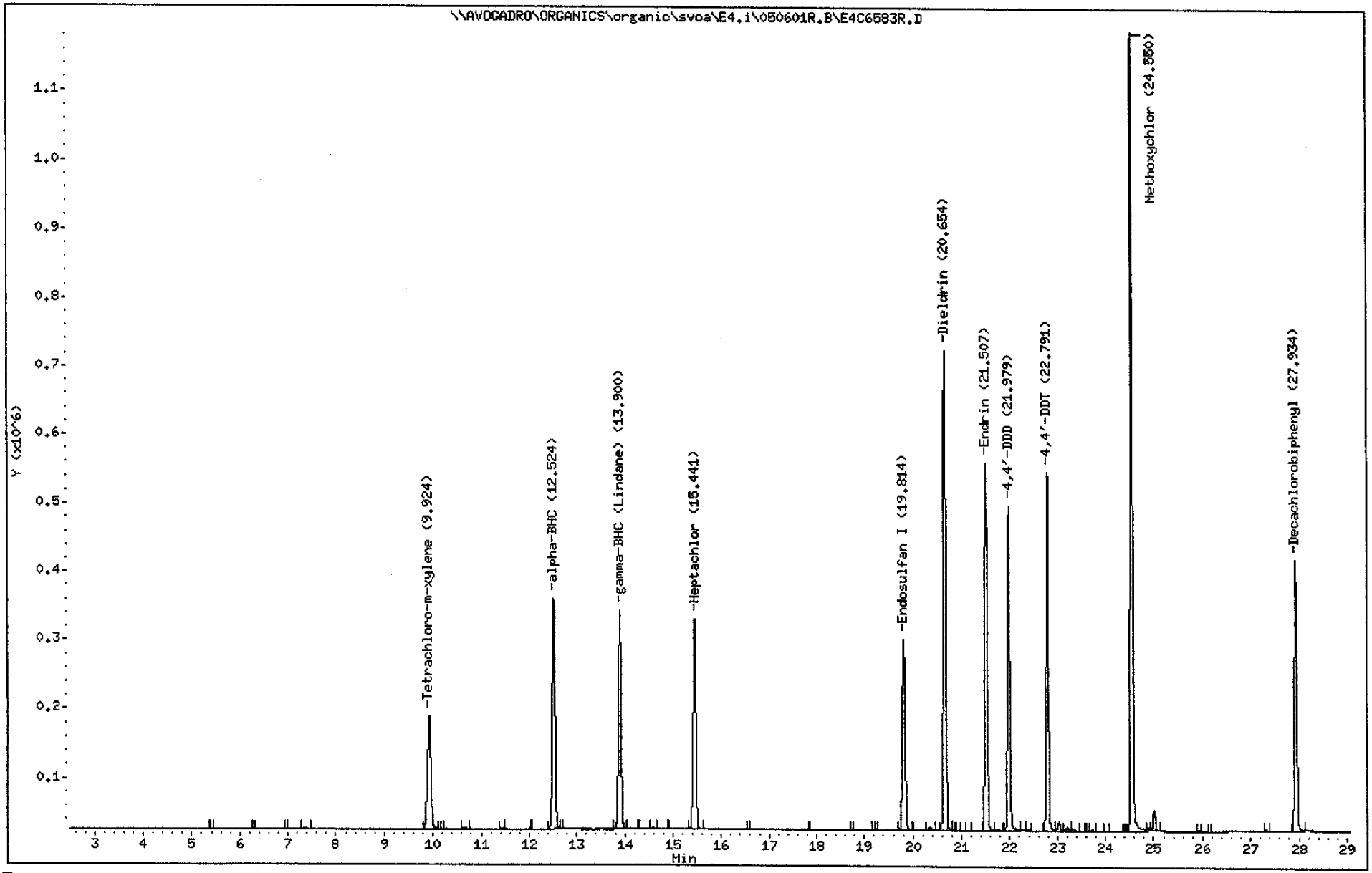
Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6583F.D
Date : 01-JUN-2005 23:17
Client ID: INDAHD1
Instrument: E4.i
Sample Info: INDAHD1,INDAHD1,,inda,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0457

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6583R.D
Date : 01-JUN-2005 23:17
Client ID: INDAHD1
Sample Info: INDAHD1,INDAHD1,,inda.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0458

Data File: E4C6583F.D
Report Date: 03-Jun-2005 10:39

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6583F.D
Lab Smp Id: INDAHD1 Client Smp ID: INDAHD1
Inj Date : 01-JUN-2005 23:17
Operator : SRC: Inst ID: E4.i
Smp Info : INDAHD1,INDAHD1,,inda.sub,,
Misc Info : 1,3,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 03-Jun-2005 09:06 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.05	7.06	-0.010	4189503	0.08000	0.083		(A)
3 alpha-BHC					CAS #: 319-84-6		
9.28	9.29	-0.010	7504442	0.08000	0.088		(A)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	6714461	0.08000	0.087		(A)
5 Heptachlor					CAS #: 76-44-8		
12.1	12.1	0.000	6363732	0.08000	0.084		(A)

Data File: E4C6583F.D
Report Date: 03-Jun-2005 10:39

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
10 Endosulfan I						CAS #: 959-98-8	
16.4	16.4	0.000	5589721	0.08000	0.079		
14 Dieldrin						CAS #: 60-57-1	
17.2	17.2	0.000	11877374	0.16000	0.16		
15 Endrin						CAS #: 72-20-8	
17.9	17.9	0.000	9736771	0.16000	0.16		
16 4,4'-DDD						CAS #: 72-54-8	
18.5	18.5	0.000	9441280	0.16000	0.17		(A)
18 4,4'-DDT						CAS #: 50-29-3	
19.3	19.3	0.000	9344707	0.16000	0.18		(A)
21 Methoxychlor						CAS #: 72-43-5	
20.9	20.9	0.000	18371865	0.80000	0.76		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	8217695	0.16000	0.16		(A)

SZ 06/03/05

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: E4C6583R.D
Report Date: 03-Jun-2005 10:41

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6583R.D
Lab Smp Id: INDAHD1 Client Smp ID: INDAHD1
Inj Date : 01-JUN-2005 23:17
Operator : SRC: Inst ID: E4.i
Smp Info : INDAHD1,INDAHD1,,inda.sub,,
Misc Info : 1,3,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 03-Jun-2005 09:01 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$	1 Tetrachloro-m-xylene					CAS #: 877-09-8		
	9.92	9.92	0.000	800922	0.08000	0.082		(A)
	3 alpha-BHC					CAS #: 319-84-6		
	12.5	12.5	0.000	1341120	0.08000	0.093		(A)
	4 gamma-BHC (Lindane)					CAS #: 58-89-9		
	13.9	13.9	0.000	1215893	0.08000	0.092		(A)
	5 Heptachlor					CAS #: 76-44-8		
	15.4	15.4	0.000	1215834	0.08000	0.087		(A)

Data File: E4C6583R.D
Report Date: 03-Jun-2005 10:41

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
10 Endosulfan I						CAS #: 959-98-8	
19.8	19.8	0.000	1006969	0.08000	0.086		(A)
14 Dieldrin						CAS #: 60-57-1	
20.7	20.7	0.000	2355690	0.16000	0.18		(A)
15 Endrin						CAS #: 72-20-8	
21.5	21.5	0.000	1723640	0.16000	0.18		(A)
16 4,4'-DDD						CAS #: 72-54-8	
22.0	22.0	0.000	1486193	0.16000	0.19		(A)
18 4,4'-DDT						CAS #: 50-29-3	
22.8	22.8	0.000	1567183	0.16000	0.19		(A)
21 Methoxychlor						CAS #: 72-43-5	
24.6	24.6	0.000	3481585	0.80000	0.84		(A)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
27.9	27.9	0.000	1293141	0.16000	0.16		(A)

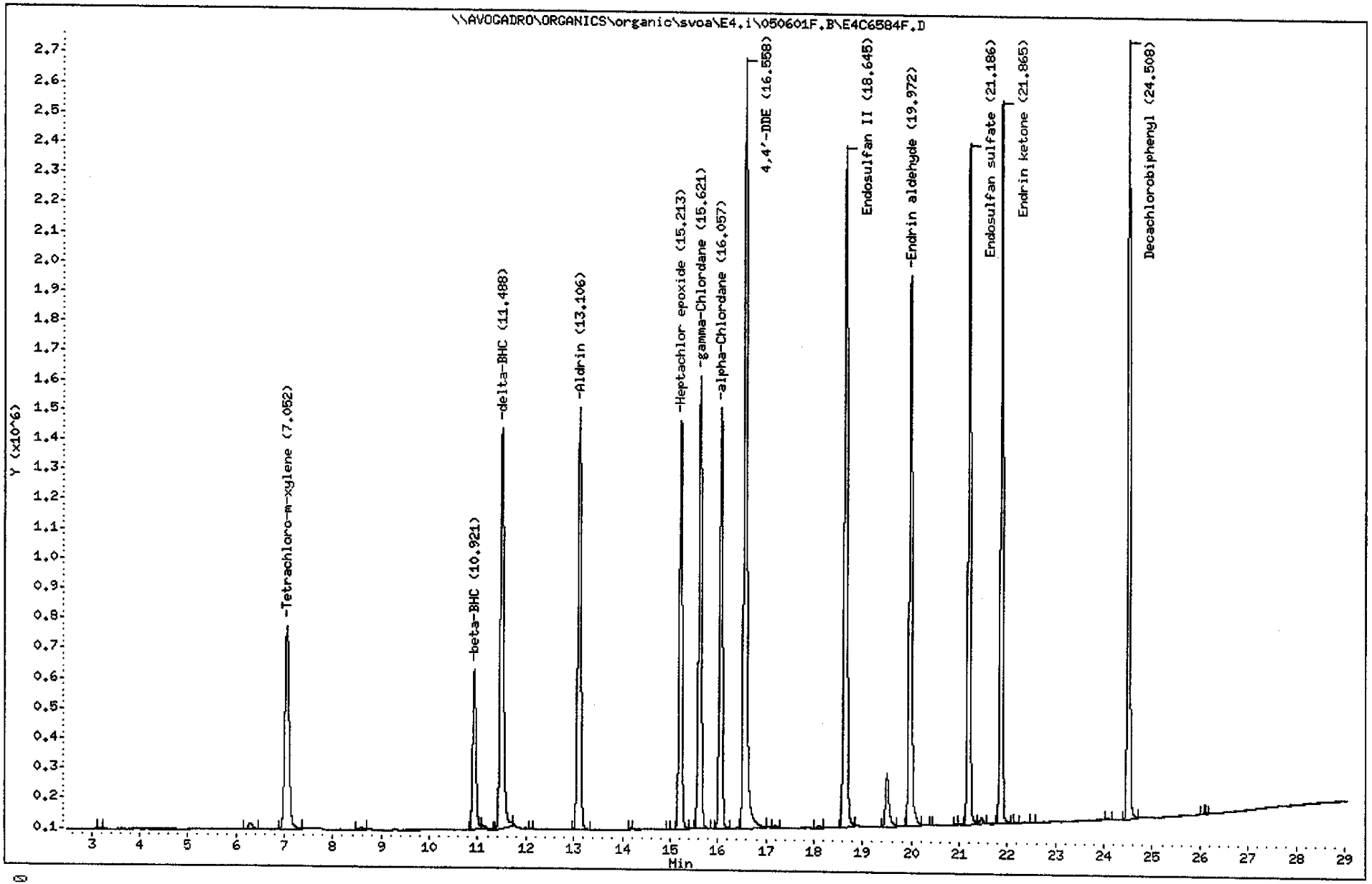
SZ 06/03/05

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

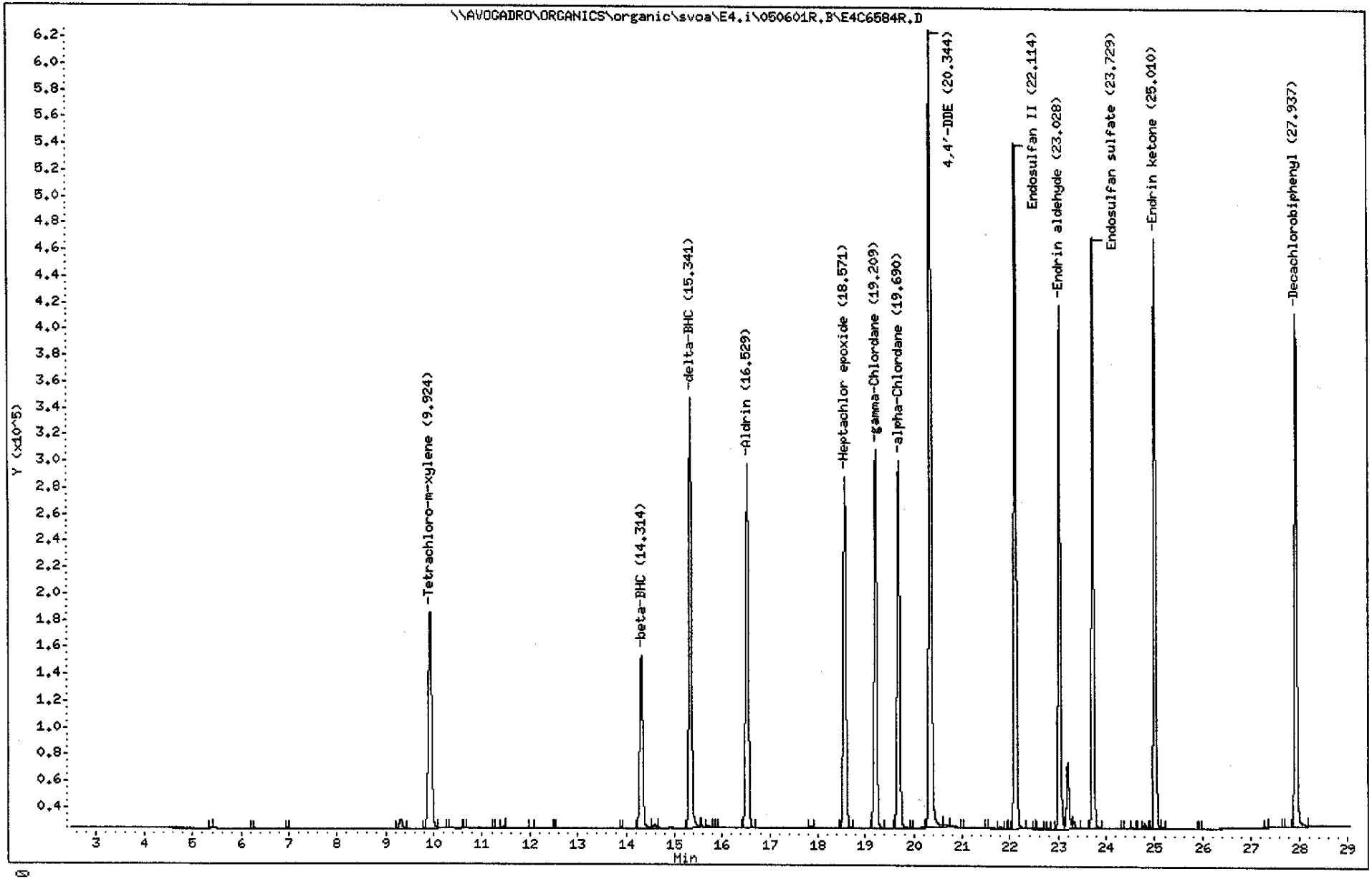
Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6584F.D
Date : 01-JUN-2005 23:54
Client ID: INDBHD1
Sample Info: INDBHD1,INDBHD1,,indb,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0463

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6584R.D
Date : 01-JUN-2005 23:54
Client ID: INDBHD1
Instrument: E4.i
Sample Info: INDBHD1,INDBHD1,,indb.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0464

Data File: E4C6584F.D
Report Date: 03-Jun-2005 10:39

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6584F.D
Lab Smp Id: INDBHD1 Client Smp ID: INDBHD1
Inj Date : 01-JUN-2005 23:54
Operator : SRC: Inst ID: E4.i
Smp Info : INDBHD1,INDBHD1,,indb.sub,,
Misc Info : 1,3,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 03-Jun-2005 09:06 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.05	7.06	-0.010	4164836	0.08000	0.083		(A)
6 Aldrin					CAS #: 309-00-2		
13.1	13.1	0.000	6324354	0.08000	0.083		(A)
7 beta-BHC					CAS #: 319-85-7		
10.9	10.9	0.000	2564897	0.08000	0.083		(A)
8 delta-BHC					CAS #: 319-86-8		
11.5	11.5	0.000	6469162	0.08000	0.094		(A)

Data File: E4C6584F.D
Report Date: 03-Jun-2005 10:39

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
9 Heptachlor epoxide						CAS #: 1024-57-3		
15.2	15.2	0.000	5732097	0.08000	0.079			
11 gamma-Chlordane						CAS #: 5103-74-2		
15.6	15.6	0.000	6286707	0.08000	0.083			(A)
12 alpha-Chlordane						CAS #: 5103-71-9		
16.1	16.1	0.000	5739730	0.08000	0.082			(A)
13 4,4'-DDE						CAS #: 72-55-9		
16.6	16.6	0.000	11633043	0.16000	0.17			(A)
17 Endosulfan II						CAS #: 33213-65-9		
18.6	18.7	-0.100	9724817	0.16000	0.16			
19 Endrin aldehyde						CAS #: 7421-93-4		
20.0	20.0	0.000	7238662	0.16000	0.16			(A)
20 Endosulfan sulfate						CAS #: 1031-07-8		
21.2	21.2	0.000	8047122	0.16000	0.17			(A)
22 Endrin ketone						CAS #: 53494-70-5		
21.9	21.9	0.000	8223317	0.16000	0.17			(A)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
24.5	24.5	0.000	8072607	0.16000	0.16			(A)

SE 06/03/05

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: E4C6584R.D
Report Date: 03-Jun-2005 10:41

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6584R.D
Lab Smp Id: INDBHD1 Client Smp ID: INDBHD1
Inj Date : 01-JUN-2005 23:54
Operator : SRC: Inst ID: E4.i
Smp Info : INDBHD1,INDBHD1,,indb.sub,,
Misc Info : 1,3,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 03-Jun-2005 09:01 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.92	9.92	0.000	792307	0.08000	0.081		(A)
6 Aldrin					CAS #: 309-00-2		
16.5	16.5	0.000	1066936	0.08000	0.089		(A)
7 beta-BHC					CAS #: 319-85-7		
14.3	14.3	0.000	508392	0.08000	0.079		
8 delta-BHC					CAS #: 319-86-8		
15.3	15.3	0.000	1179489	0.08000	0.097		(A)

Data File: E4C6584R.D
Report Date: 03-Jun-2005 10:41

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
9 Heptachlor epoxide						CAS #: 1024-57-3	
18.6	18.6	0.000	1026396	0.08000	0.085		(A)
11 gamma-Chlordane						CAS #: 5103-74-2	
19.2	19.2	0.000	1055036	0.08000	0.087		(A)
12 alpha-Chlordane						CAS #: 5103-71-9	
19.7	19.7	0.000	994692	0.08000	0.085		(A)
13 4,4'-DDE						CAS #: 72-55-9	
20.3	20.3	0.000	2066761	0.16000	0.19		(A)
17 Endosulfan II						CAS #: 33213-65-9	
22.1	22.1	0.000	1665695	0.16000	0.18		(A)
19 Endrin aldehyde						CAS #: 7421-93-4	
23.0	23.0	0.000	1219385	0.16000	0.17		(A)
20 Endosulfan sulfate						CAS #: 1031-07-8	
23.7	23.7	0.000	1350729	0.16000	0.19		(A)
22 Endrin ketone						CAS #: 53494-70-5	
25.0	25.0	0.000	1305275	0.16000	0.19		(A)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
27.9	27.9	0.000	1277634	0.16000	0.16		(A)

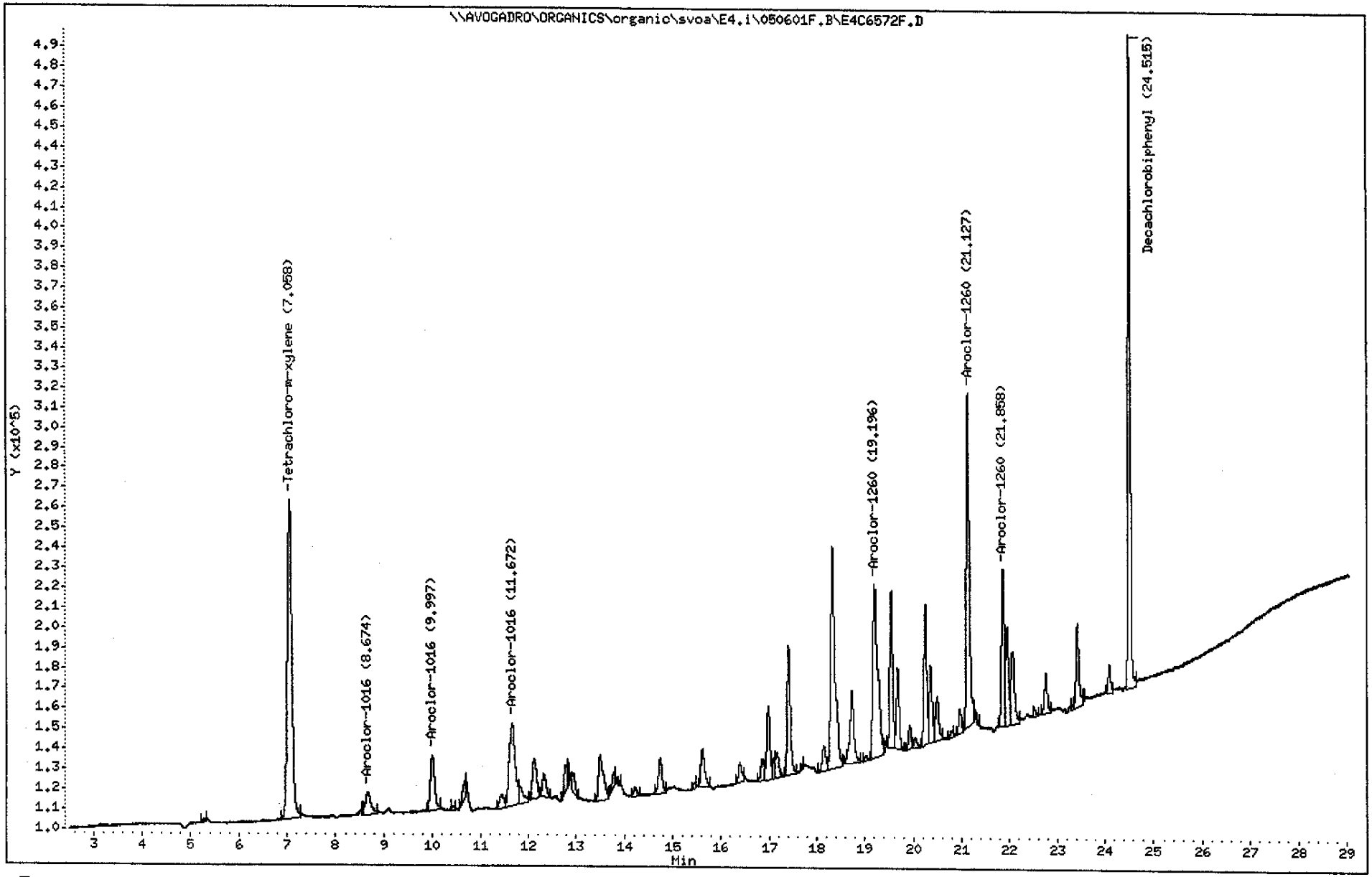
SZ 06/03/05

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6572F.D
Date : 01-JUN-2005 16:39
Client ID: AR1660D1
Sample Info: AR1660D1,AR1660D1,,ar1660.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

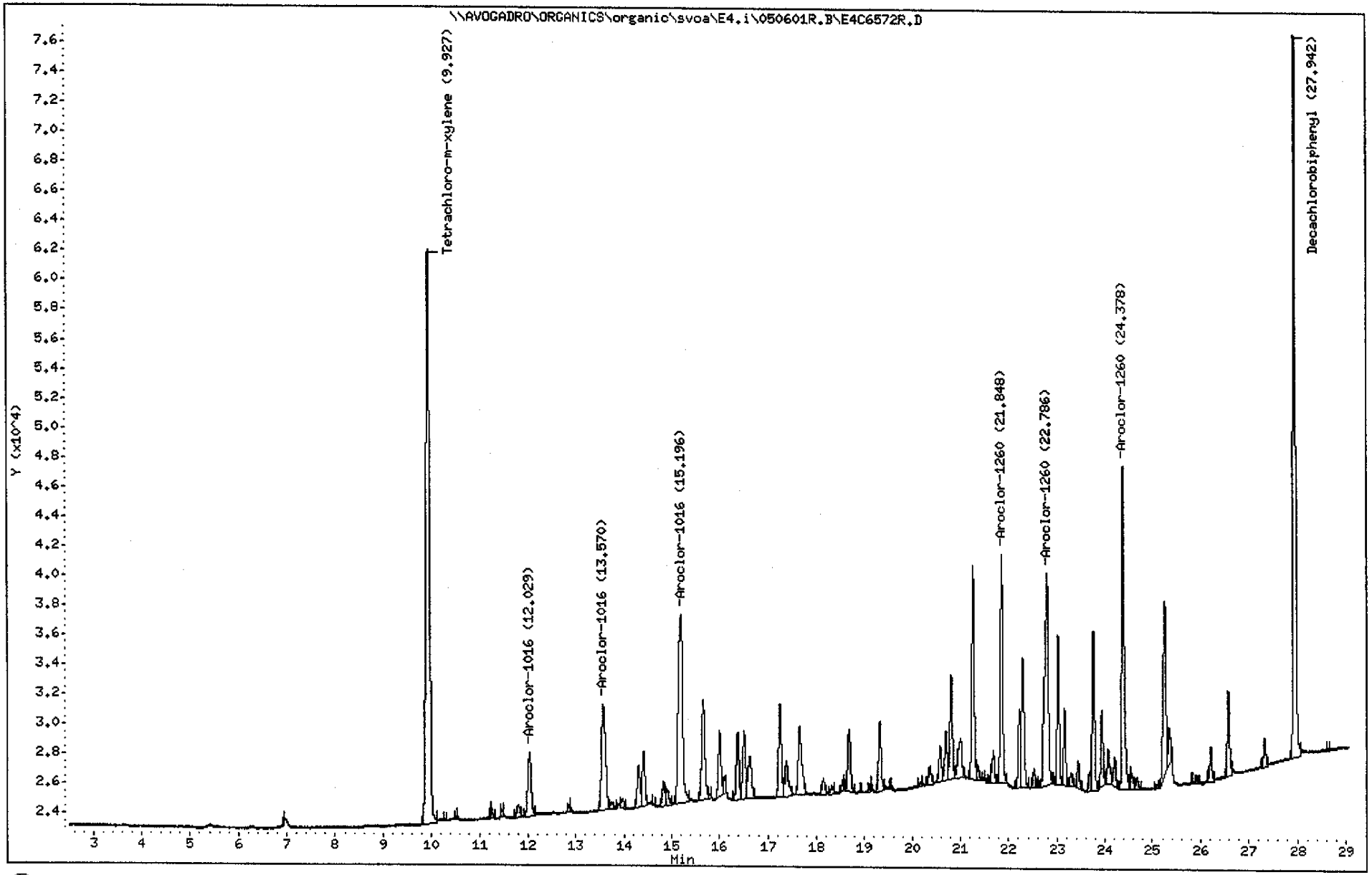
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



6940

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6572R.D
Date : 01-JUN-2005 16:39
Client ID: AR1660D1
Sample Info: AR1660D1,AR1660D1,,ar1660.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0470

Data File: E4C6572F.D
Report Date: 03-Jun-2005 10:38

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6572F.D
Lab Smp Id: AR1660D1 Client Smp ID: AR1660D1
Inj Date : 01-JUN-2005 16:39
Operator : SRC: Inst ID: E4.i
Smp Info : AR1660D1,AR1660D1,,ar1660.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 03-Jun-2005 09:06 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1660.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.06	0.000	1001753	0.00500	0.020		(a)
23 Aroclor-1016					CAS #: 12674-11-2		
8.67	8.67	0.000	89944	0.10000	0.10	80.00- 120.00	100.00(a)
10.0	10.0	0.000	174236	0.10000	0.10	173.72- 213.72	193.72
11.7	11.7	0.000	361337	0.10000	0.10	381.74- 421.74	401.74
Average of Peak Amounts =					0.1		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	1054496	0.01000	0.020		(a)

Data File: E4C6572F.D
Report Date: 03-Jun-2005 10:38

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
29 Aroclor-1260					CAS #: 11096-82-5		
19.2	19.2	0.000	592397	0.10000	0.10	80.00- 120.00	100.00(a)
21.1	21.1	0.000	708981	0.10000	0.10	99.68- 139.68	119.68
21.9	21.9	0.000	316672	0.10000	0.10	33.46- 73.46	53.46
Average of Peak Amounts =					0.1		

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SZ 06/09/05

Data File: E4C6572R.D
Report Date: 03-Jun-2005 10:40

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6572R.D
Lab Smp Id: AR1660D1 Client Smp ID: AR1660D1
Inj Date : 01-JUN-2005 16:39
Operator : SRC: Inst ID: E4.i
Smp Info : AR1660D1,AR1660D1,,ar1660.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 03-Jun-2005 09:01 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1660.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.93	9.92	0.010	195365	0.00500	0.020		(a)
23 Aroclor-1016					CAS #: 12674-11-2		
12.0	12.0	0.000	20139	0.10000	0.10	80.00- 120.00	100.00(a)
13.6	13.6	0.000	40975	0.10000	0.10	183.46- 223.46	203.46
15.2	15.2	0.000	83573	0.10000	0.10	394.98- 434.98	414.98
Average of Peak Amounts =					0.1		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
27.9	27.9	0.000	166258	0.01000	0.020		(a)

Data File: E4C6572R.D
Report Date: 03-Jun-2005 10:40

				AMOUNTS CAL-AMT (ng)	ON-COL (ng)		
RT	EXP RT	DLT RT	RESPONSE			TARGET RANGE	RATIO
==	======	========	========	=======	=======	============	=====
29 Aroclor-1260					CAS #: 11096-82-5		
21.8	21.8	0.000	52374	0.10000	0.10	80.00- 120.00	100.00(a)
22.8	22.8	0.000	71956	0.10000	0.10	117.39- 157.39	137.39
24.4	24.4	0.000	74245	0.10000	0.10	121.76- 161.76	141.76
		Average of Peak Amounts =			0.1		

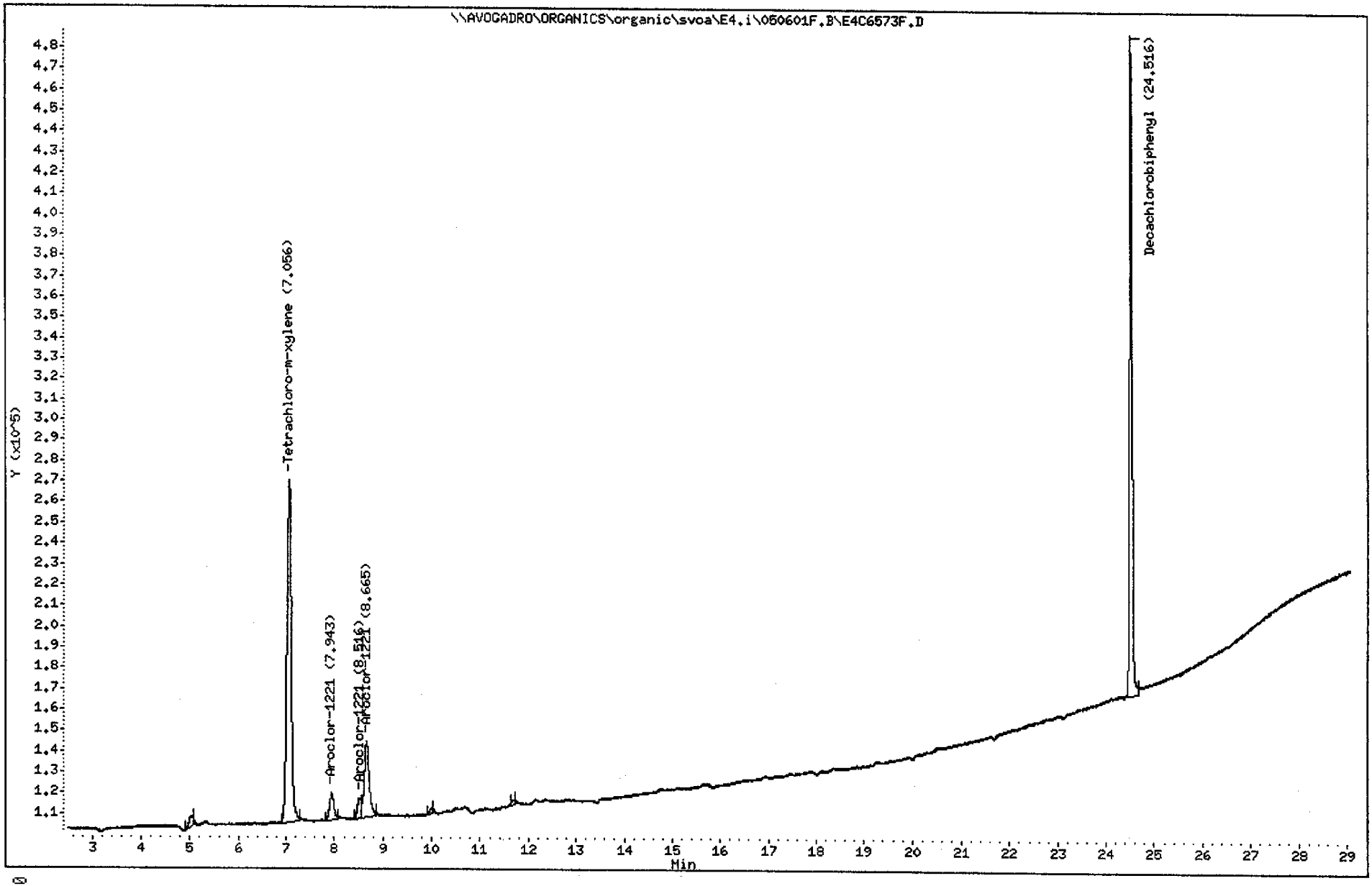
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

SZ 06/09/05

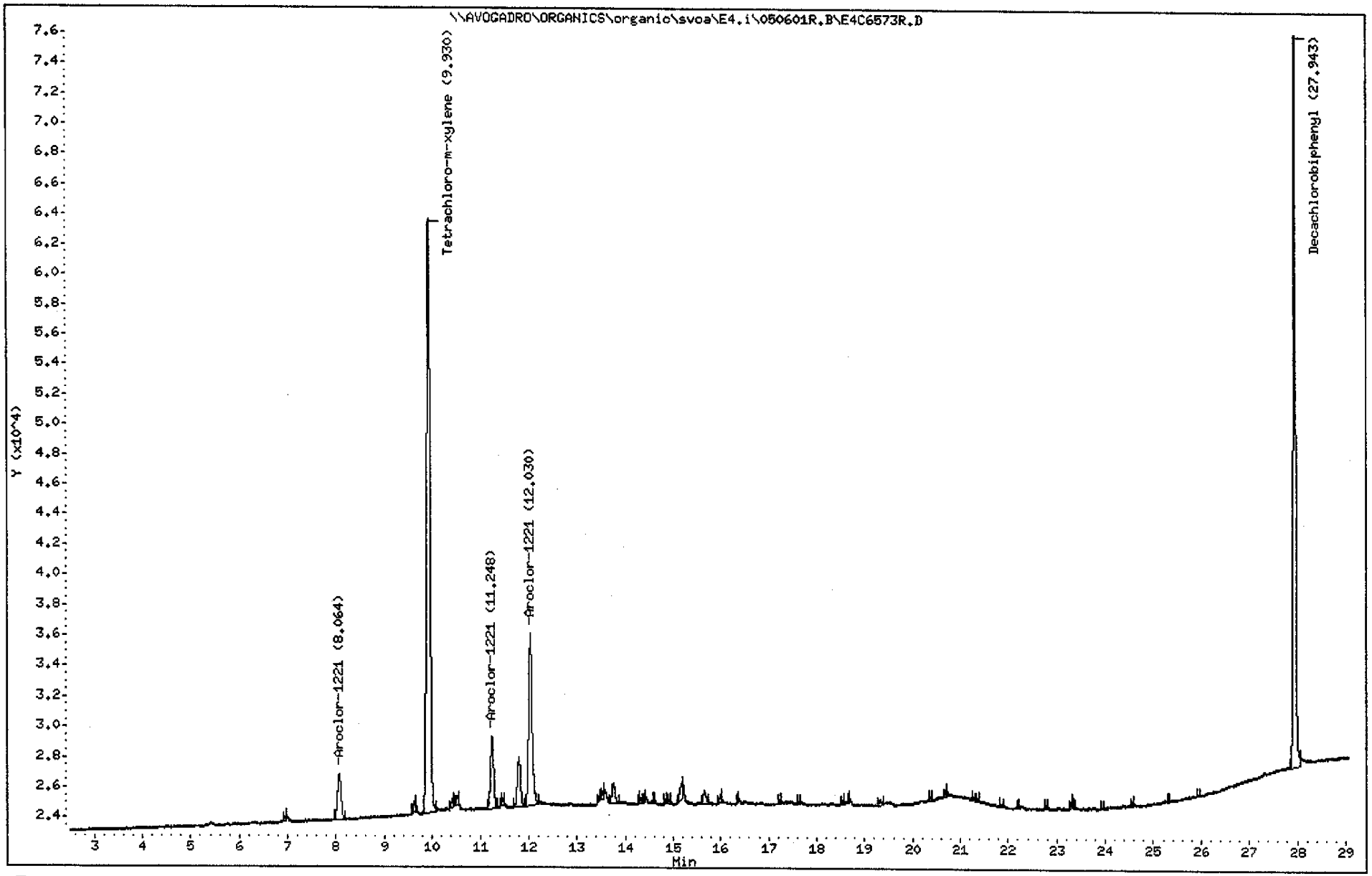
Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6573F.D
Date : 01-JUN-2005 17:15
Client ID: AR1221D1
Sample Info: AR1221D1,AR1221D1,,ar1221.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0475

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6573R.D
Date : 01-JUN-2005 17:15
Client ID: AR1221D1
Instrument: E4.i
Sample Info: AR1221D1,AR1221D1,,ar1221.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0476

Data File: E4C6573F.D
Report Date: 03-Jun-2005 10:38

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6573F.D
Lab Smp Id: AR1221D1 Client Smp ID: AR1221D1
Inj Date : 01-JUN-2005 17:15
Operator : SRC: Inst ID: E4.i
Smp Info : AR1221D1,AR1221D1,,ar1221.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 03-Jun-2005 09:06 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1221.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.06	7.06	0.000	1048257	0.00500	0.021			(a)
24 Aroclor-1221					CAS #: 11104-28-2			
7.94	7.94	0.000	83132	0.20000	0.20	80.00- 120.00	100.00	(a)
8.52	8.52	0.000	53576	0.20000	0.20	44.45- 84.45	64.45	
8.67	8.67	0.000	259393	0.20000	0.20	292.03- 332.03	312.03	
Average of Peak Amounts =					0.2			
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
24.5	24.5	0.000	1066389	0.01000	0.020			(a)

SZ 06/09/05

Data File: E4C6573F.D
Report Date: 03-Jun-2005 10:38

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6573R.D
Report Date: 03-Jun-2005 10:40

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6573R.D
Lab Smp Id: AR1221D1 Client Smp ID: AR1221D1
Inj Date : 01-JUN-2005 17:15
Operator : SRC: Inst ID: E4.i
Smp Info : AR1221D1,AR1221D1,,ar1221.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 03-Jun-2005 09:01 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1221.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
9.93	9.92	0.010	197157	0.00500	0.020			(a)
24 Aroclor-1221					CAS #: 11104-28-2			
8.06	8.06	0.000	16788	0.20000	0.20	80.00- 120.00	100.00	(a)
11.2	11.2	0.000	22209	0.20000	0.20	112.29- 152.29	132.29	
12.0	12.0	0.000	57381	0.20000	0.20	321.80- 361.80	341.80	
Average of Peak Amounts =					0.2			
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
27.9	27.9	0.000	167138	0.01000	0.020			(a)

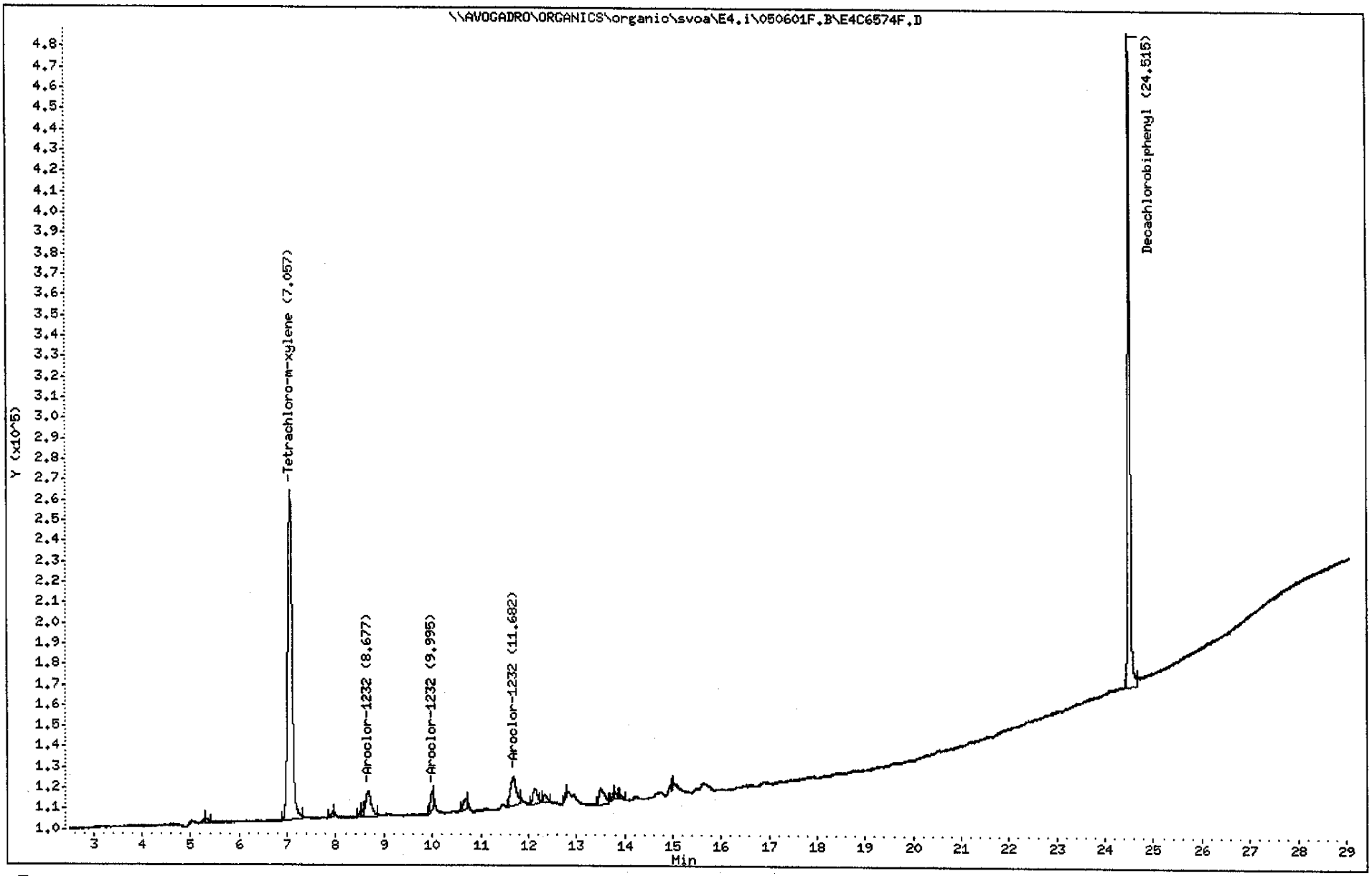
SZ 06/07/05

Data File: E4C6573R.D
Report Date: 03-Jun-2005 10:40

QC Flag Legend

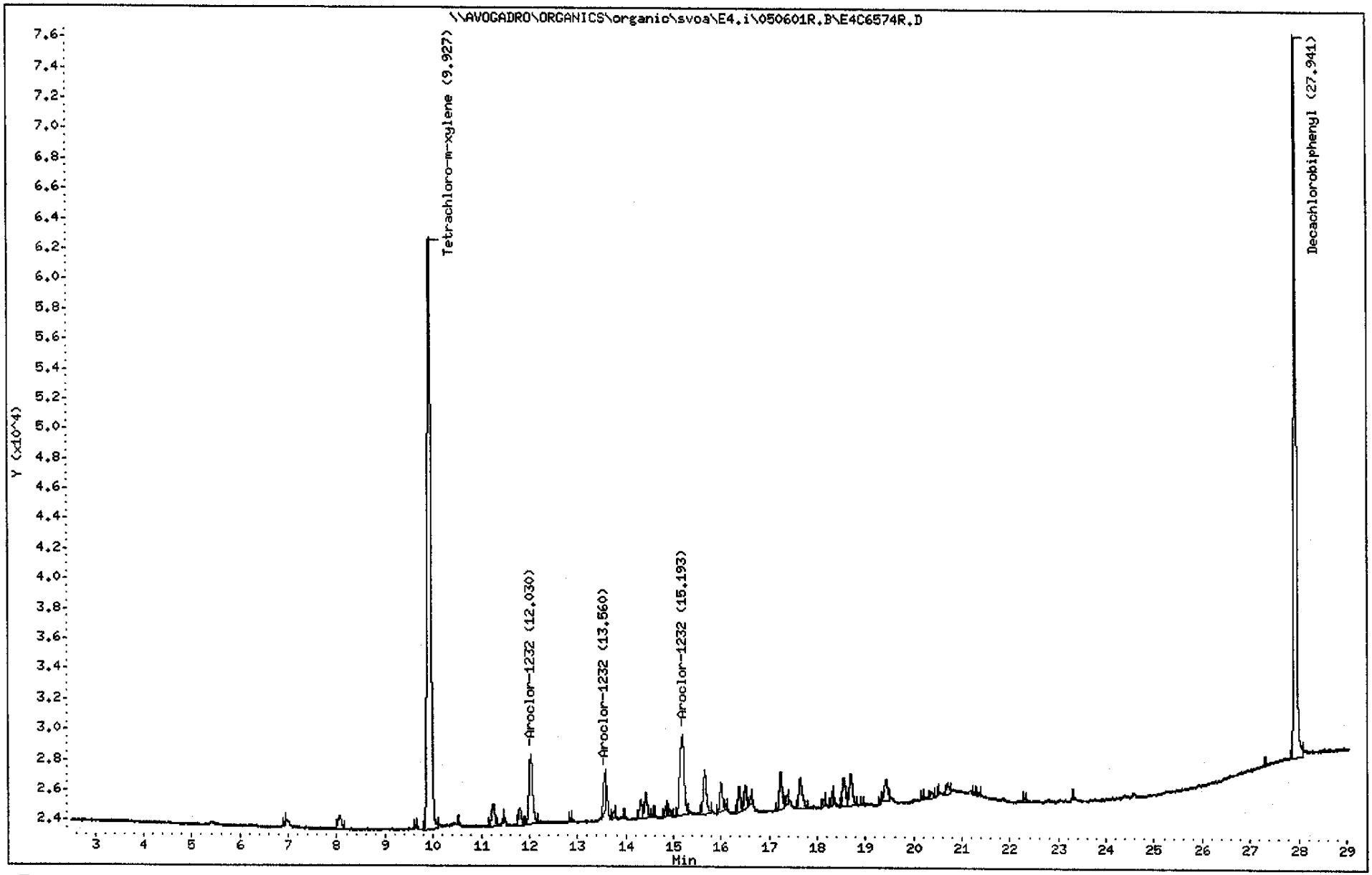
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6574F.D
Date : 01-JUN-2005 17:51
Client ID: AR1232D1
Instrument: E4.i
Sample Info: AR1232D1,AR1232D1,,ar1232.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0481

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6574R.D
Date : 01-JUN-2005 17:51
Client ID: AR1232D1
Instrument: E4.i
Sample Info: AR1232D1,AR1232D1,,ar1232.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0482

Data File: E4C6574F.D
Report Date: 03-Jun-2005 10:38

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6574F.D
Lab Smp Id: AR1232D1 Client Smp ID: AR1232D1
Inj Date : 01-JUN-2005 17:51
Operator : SRC: Inst ID: E4.i
Smp Info : AR1232D1,AR1232D1,,ar1232.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 03-Jun-2005 09:06 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1232.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.06	7.06	0.000	1026021	0.00500	0.020			(a)
25 Aroclor-1232					CAS #: 11141-16-5			
8.68	8.68	0.000	94736	0.10000	0.10	80.00- 120.00	100.00	(a)
10.0	10.0	0.000	38467	0.10000	0.10	20.60- 60.60	40.60	
11.7	11.7	0.000	126027	0.10000	0.10	113.03- 153.03	133.03	
Average of Peak Amounts =					0.1			
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
24.5	24.5	0.000	1054990	0.01000	0.020			(a)

SZ 06/09/05

Data File: E4C6574F.D
Report Date: 03-Jun-2005 10:38

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6574R.D
Report Date: 03-Jun-2005 10:40

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6574R.D
Lab Smp Id: AR1232D1 Client Smp ID: AR1232D1
Inj Date : 01-JUN-2005 17:51
Operator : SRC: Inst ID: E4.i
Smp Info : AR1232D1,AR1232D1,,ar1232.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 03-Jun-2005 09:01 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1232.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.93	9.92	0.010	199179	0.00500	0.020		(a)
25 Aroclor-1232					CAS #: 11141-16-5		
12.0	12.0	0.000	23115	0.10000	0.10	80.00- 120.00	100.00(a)
13.6	13.6	0.000	8354	0.10000	0.10	16.14- 56.14	36.14
15.2	15.2	0.000	34701	0.10000	0.10	130.12- 170.12	150.12
		Average of Peak Amounts =			0.1		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
27.9	27.9	0.000	167702	0.01000	0.021		(a)

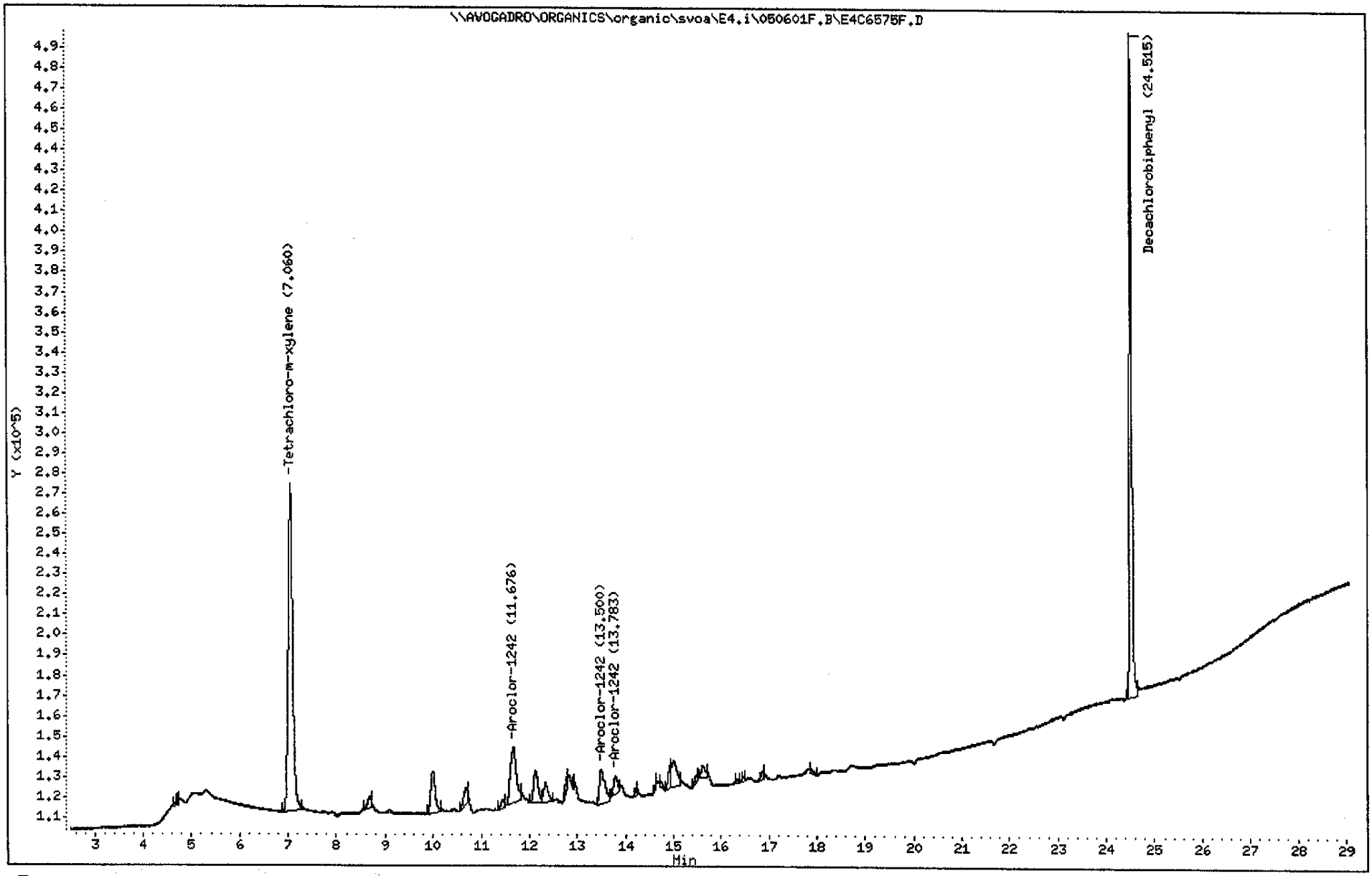
SZ 06/09/05

Data File: E4C6574R.D
Report Date: 03-Jun-2005 10:40

QC Flag Legend

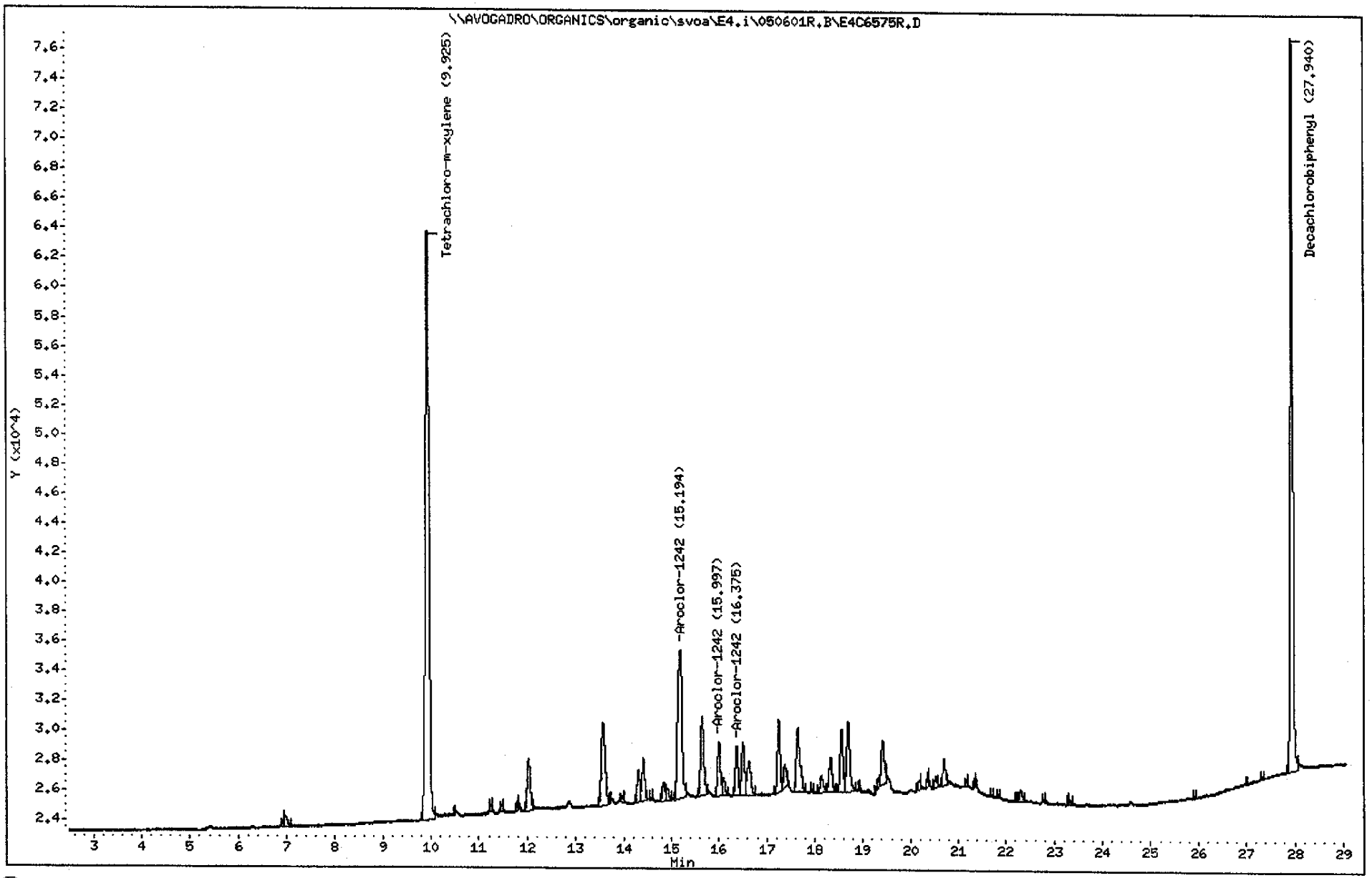
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6575F.D
Date : 01-JUN-2005 18:27
Client ID: AR1242D1
Instrument: E4.i
Sample Info: AR1242D1,AR1242D1,,ar1242.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0487

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6575R.D
Date : 01-JUN-2005 18:27
Client ID: AR1242D1
Instrument: E4.i
Sample Info: AR1242D1,AR1242D1,,ar1242.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0488

Data File: E4C6575F.D
Report Date: 03-Jun-2005 10:38

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6575F.D
Lab Smp Id: AR1242D1 Client Smp ID: AR1242D1
Inj Date : 01-JUN-2005 18:27
Operator : SRC: Inst ID: E4.i
Smp Info : AR1242D1,AR1242D1,,ar1242.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 03-Jun-2005 09:06 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1242.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.06	0.000	1025976	0.00500	0.020		(a)
26 Aroclor-1242					CAS #: 53469-21-9		
11.7	11.7	0.000	242097	0.10000	0.10	80.00- 120.00	100.00(a)
13.5	13.5	0.000	133639	0.10000	0.10	35.20- 75.20	55.20
13.8	13.8	0.000	48440	0.10000	0.10	0.01- 40.01	20.01
Average of Peak Amounts =					0.1		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	1077301	0.01000	0.021		(a)

SC 06/03/05

Data File: E4C6575F.D
Report Date: 03-Jun-2005 10:38

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6575R.D
Report Date: 03-Jun-2005 10:40

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6575R.D
Lab Smp Id: AR1242D1 Client Smp ID: AR1242D1
Inj Date : 01-JUN-2005 18:27
Operator : SRC: Inst ID: E4.i
Smp Info : AR1242D1,AR1242D1,,ar1242.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 03-Jun-2005 09:01 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1242.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.93	9.92	0.010	200788	0.00500	0.020		(a)
26 Aroclor-1242					CAS #: 53469-21-9		
15.2	15.2	0.000	63282	0.10000	0.10	80.00- 120.00	100.00(a)
16.0	16.0	0.000	14689	0.10000	0.10	3.21- 43.21	23.21
16.4	16.4	0.000	13156	0.10000	0.10	0.79- 40.79	20.79
Average of Peak Amounts =					0.1		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
27.9	27.9	0.000	169610	0.01000	0.021		(a)

SC 06/03/05

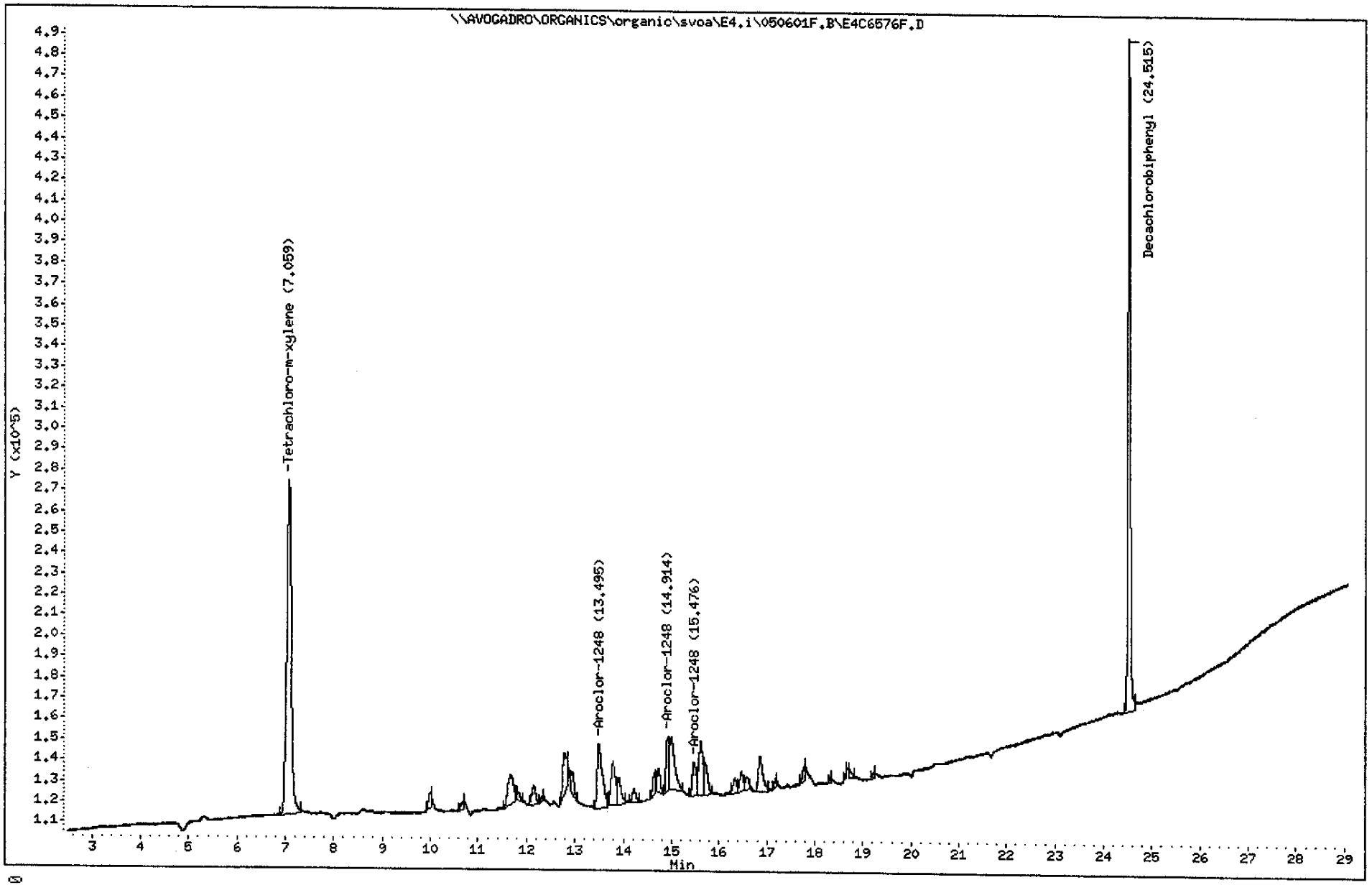
Data File: E4C6575R.D
Report Date: 03-Jun-2005 10:40

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6576F.D
Date : 01-JUN-2005 19:04
Client ID: AR1248D1
Sample Info: AR1248D1,AR1248D1,,ar1248.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPest

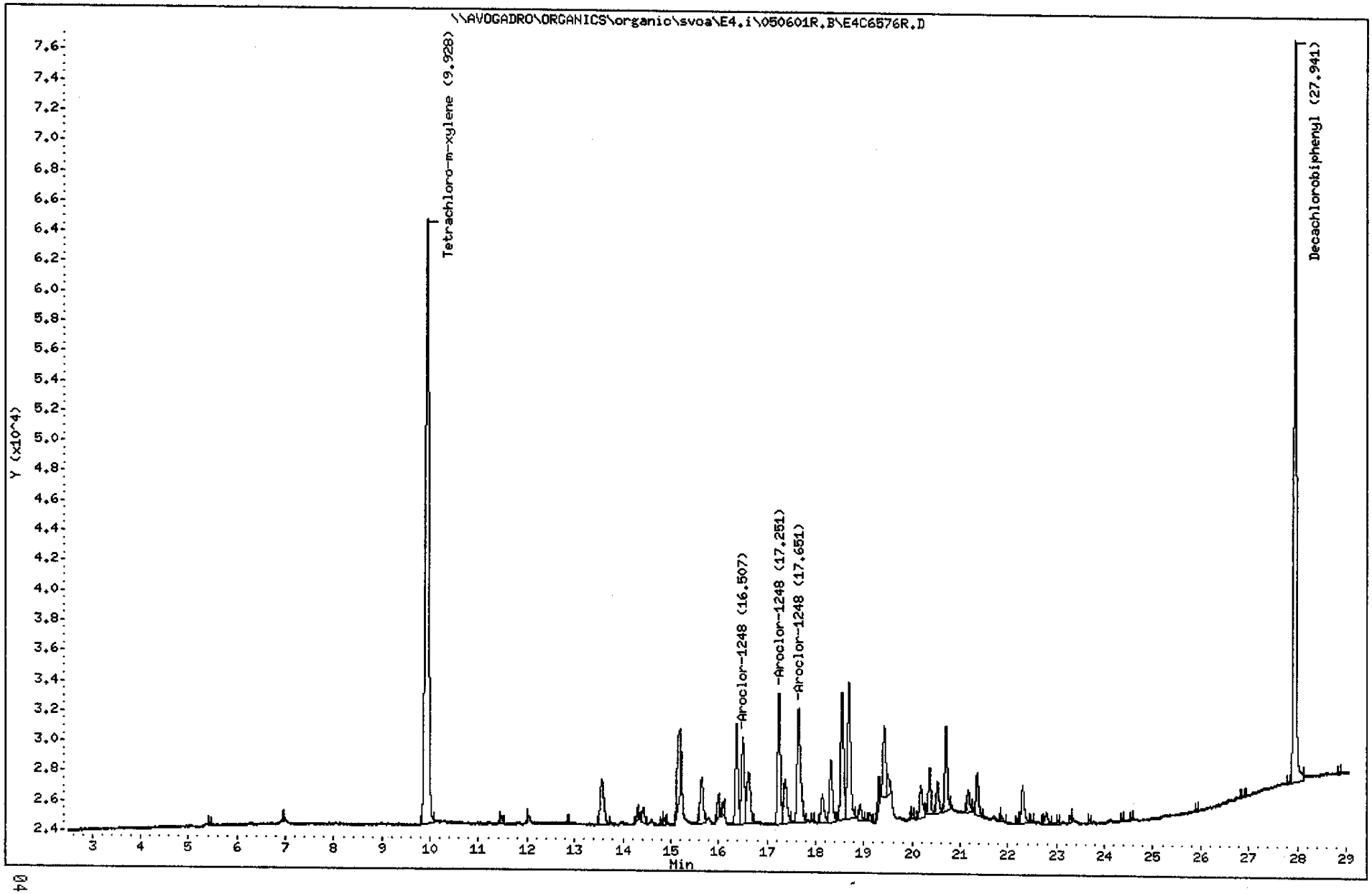
Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0493

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6576R.D
Date : 01-JUN-2005 19:04
Client ID: AR1248D1
Sample Info: AR1248D1,AR1248D1,,ar1248.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0494

Data File: E4C6576F.D
Report Date: 03-Jun-2005 10:38

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6576F.D
Lab Smp Id: AR1248D1 Client Smp ID: AR1248D1
Inj Date : 01-JUN-2005 19:04
Operator : SRC: Inst ID: E4.i
Smp Info : AR1248D1,AR1248D1,,ar1248.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 03-Jun-2005 09:06 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1248.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.06	0.000	1026171	0.00500	0.020		(a)
27 Aroclor-1248					CAS #: 12672-29-6		
13.5	13.5	0.000	235307	0.10000	0.10	80.00- 120.00	100.00(a)
14.9	14.9	0.000	115031	0.10000	0.10	28.89- 68.89	48.89
15.5	15.5	0.000	83381	0.10000	0.10	15.43- 55.43	35.43
Average of Peak Amounts =					0.1		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	1068175	0.01000	0.021		(a)

SZ 06/09/05

Data File: E4C6576F.D
Report Date: 03-Jun-2005 10:38

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6576R.D
Report Date: 03-Jun-2005 10:40

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6576R.D
Lab Smp Id: AR1248D1 Client Smp ID: AR1248D1
Inj Date : 01-JUN-2005 19:04
Operator : SRC: Inst ID: E4.i
Smp Info : AR1248D1,AR1248D1,,ar1248.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 03-Jun-2005 09:01 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1248.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT ng)	AMOUNTS ON-COL ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.93	9.92	0.010	200951	0.00500	0.020		(a)
27 Aroclor-1248					CAS #: 12672-29-6		
16.5	16.5	0.000	24479	0.10000	0.10	80.00- 120.00	100.00(a)
17.3	17.3	0.000	34441	0.10000	0.10	120.70- 160.70	140.70
17.7	17.7	0.000	37519	0.10000	0.10	133.27- 173.27	153.27
Average of Peak Amounts =					0.1		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
27.9	27.9	0.000	172120	0.01000	0.021		(a)

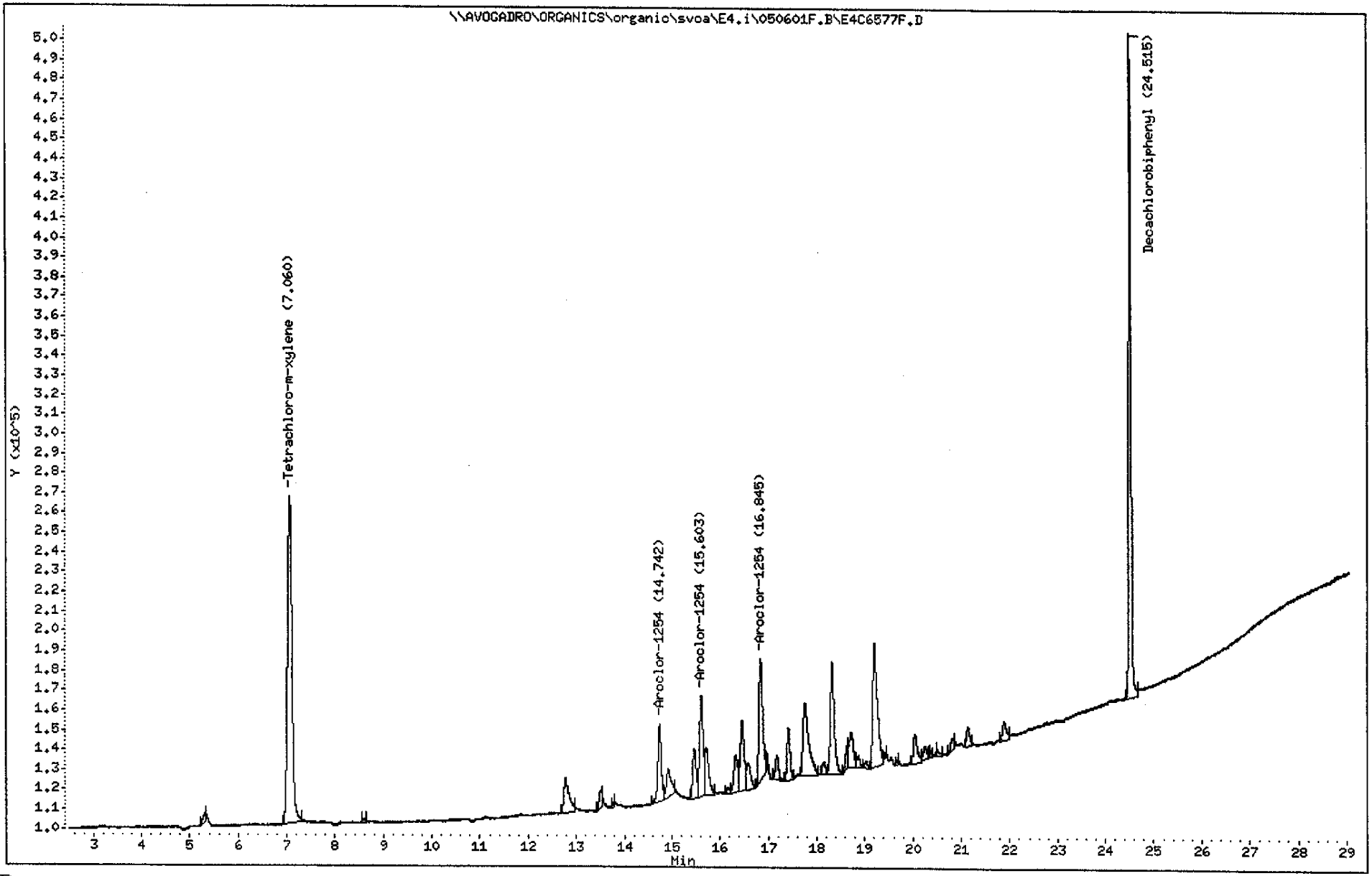
SZ 06/08/05

Data File: E4C6576R.D
Report Date: 03-Jun-2005 10:40

QC Flag Legend

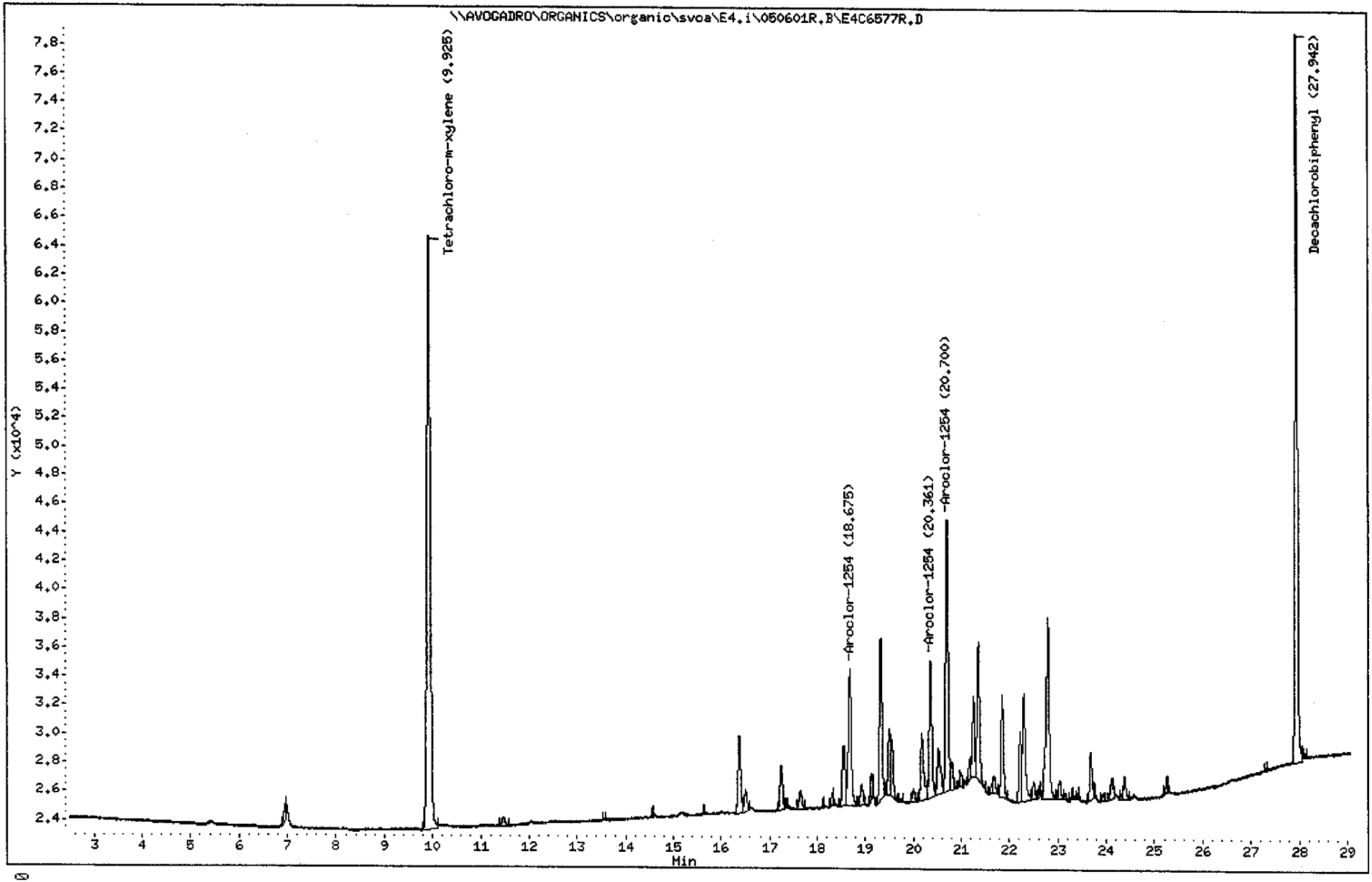
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6577F.D
Date : 01-JUN-2005 19:40
Client ID: AR1254D1
Instrument: E4.i
Sample Info: AR1254D1,AR1254D1,,ar1254.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



6690 0499

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6577R.D
Date : 01-JUN-2005 19:40
Client ID: AR1254D1
Instrument: E4.i
Sample Info: AR1254D1,AR1254D1,,ar1254.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0050

Data File: E4C6577F.D
Report Date: 03-Jun-2005 10:38

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6577F.D
Lab Smp Id: AR1254D1 Client Smp ID: AR1254D1
Inj Date : 01-JUN-2005 19:40
Operator : SRC: Inst ID: E4.i
Smp Info : AR1254D1,AR1254D1,,ar1254.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 03-Jun-2005 09:06 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1254.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.06	0.000	1055539	0.00500	0.021		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	1120358	0.01000	0.022		(a)
28 Aroclor-1254					CAS #: 11097-69-1		
14.7	14.7	0.000	198815	0.10000	0.10	80.00- 120.00	100.00(a)
15.6	15.6	0.000	265327	0.10000	0.10	113.45- 153.45	133.45
16.8	16.8	0.000	314428	0.10000	0.10	138.15- 178.15	158.15
Average of Peak Amounts =					0.1		

SC 06/07/05

Data File: E4C6577F.D
Report Date: 03-Jun-2005 10:38

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6577R.D
Report Date: 03-Jun-2005 10:40

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6577R.D
Lab Smp Id: AR1254D1 Client Smp ID: AR1254D1
Inj Date : 01-JUN-2005 19:40
Operator : SRC: Inst ID: E4.i
Smp Info : AR1254D1,AR1254D1,,ar1254.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 03-Jun-2005 09:01 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1254.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
9.93	9.92	0.010	208218	0.00500	0.021			(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
27.9	27.9	0.000	175896	0.01000	0.022			(a)
28 Aroclor-1254					CAS #: 11097-69-1			
18.7	18.7	0.000	41420	0.10000	0.10	80.00- 120.00	100.00	(a)
20.4	20.4	0.000	35856	0.10000	0.10	66.57- 106.57	86.57	
20.7	20.7	0.000	69239	0.10000	0.10	147.16- 187.16	167.16	
Average of Peak Amounts =					0.1			

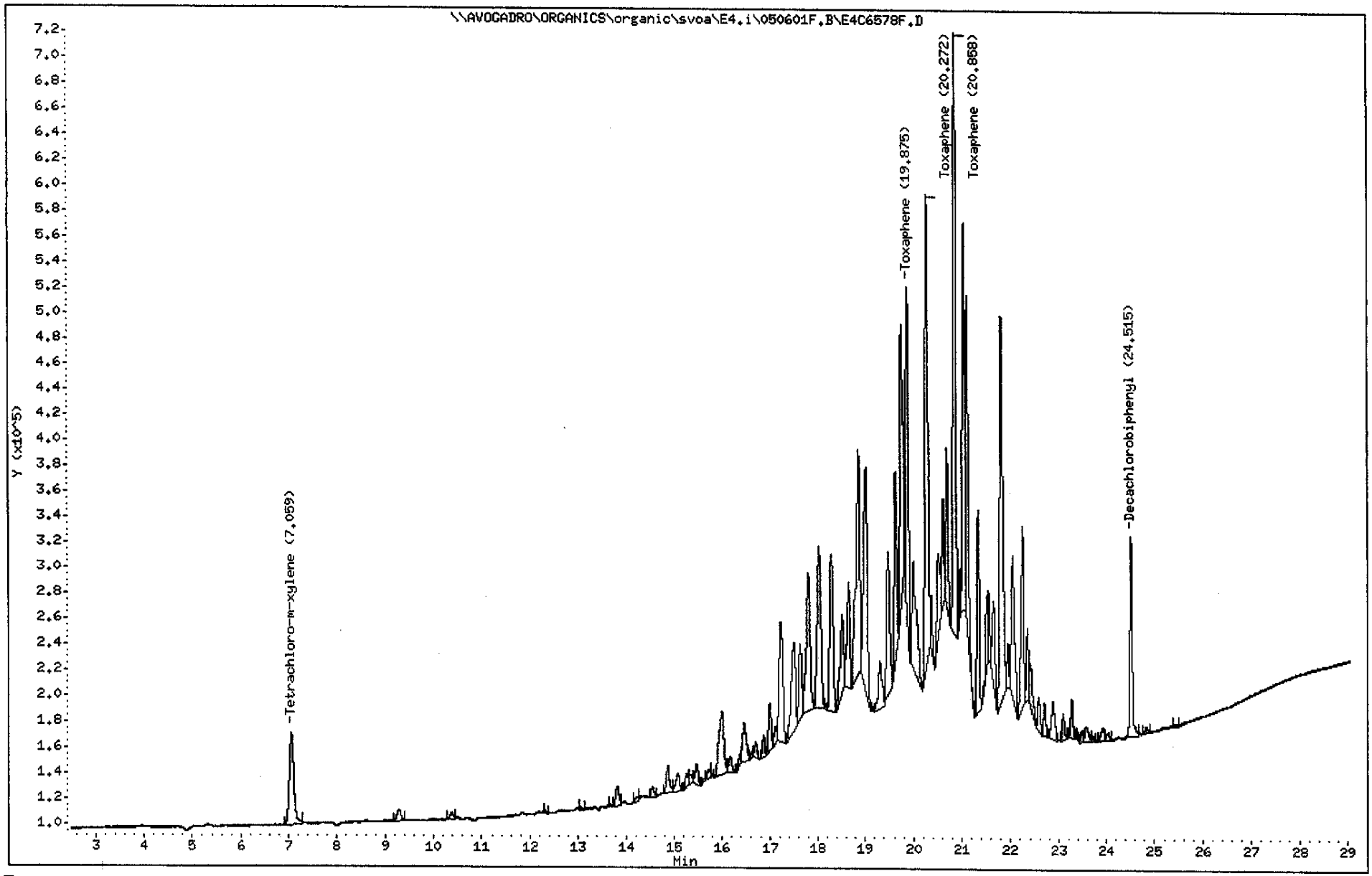
SC06/08/05

Data File: E4C6577R.D
Report Date: 03-Jun-2005 10:40

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

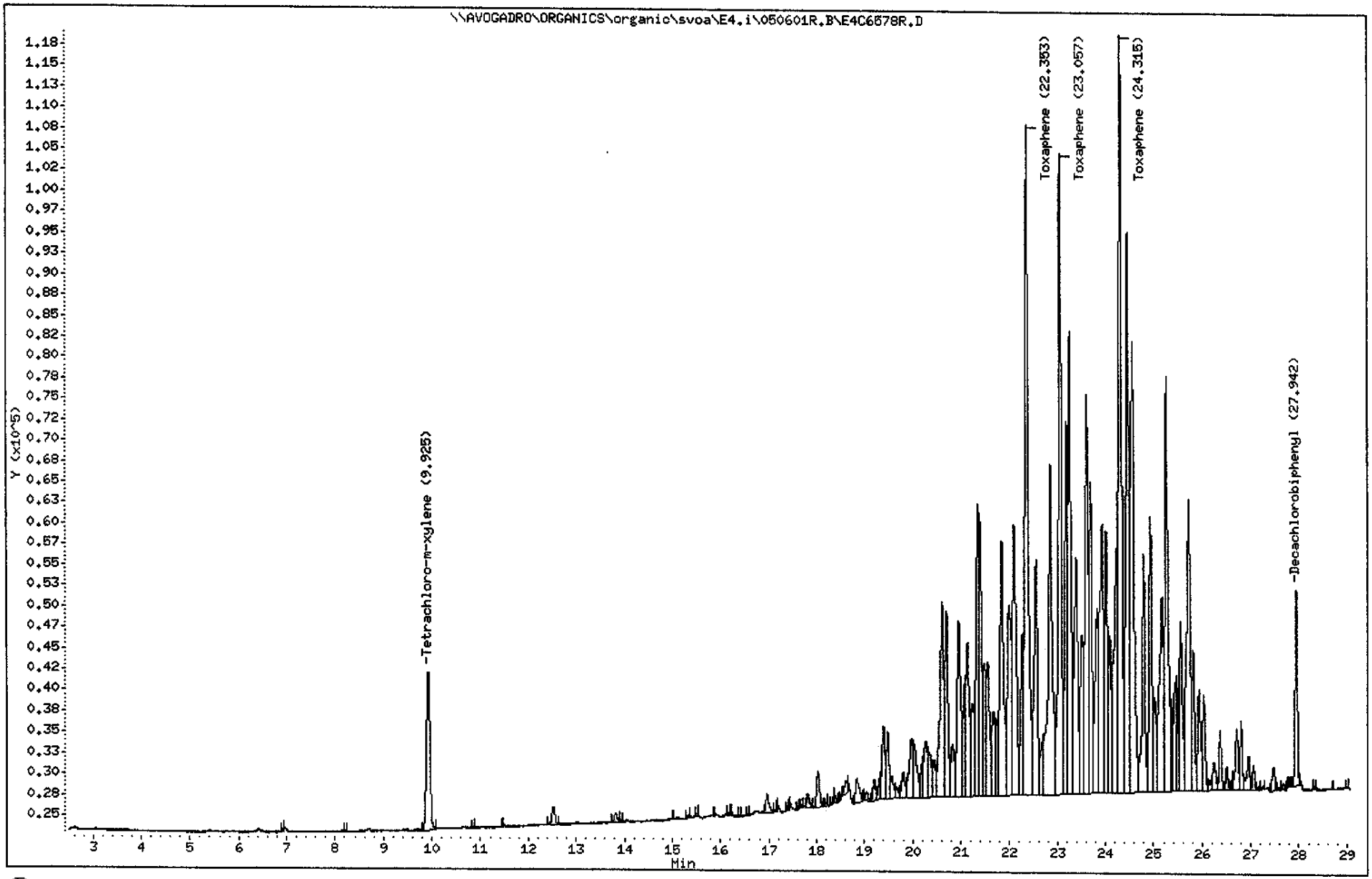
Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6578F.D
Date : 01-JUN-2005 20:16
Client ID: TOXAPHD1
Instrument: E4.i
Sample Info: TOXAPHD1,TOXAPHD1,,toxaph.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



5050

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6578R.D
Date : 01-JUN-2005 20:16
Client ID: TOXAPHD1
Sample Info: TOXAPHD1,TOXAPHD1,,toxaph.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



9050

Data File: E4C6578F.D
Report Date: 03-Jun-2005 10:39

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6578F.D
Lab Smp Id: TOXAPHD1 Client Smp ID: TOXAPHD1
Inj Date : 01-JUN-2005 20:16
Operator : SRC: Inst ID: E4.i
Smp Info : TOXAPHD1,TOXAPHD1,,toxaph.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 03-Jun-2005 09:06 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxaph.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.06	0.000	466913	0.00500	0.0093		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	533783	0.01000	0.010		(a)
30 Toxaphene					CAS #: 8001-35-2		
19.9	19.9	0.000	968611	0.50000	0.50	80.00- 120.00	100.00(a)
20.3	20.3	0.000	1559710	0.50000	0.50	141.03- 181.03	161.03
20.9	20.9	0.000	1763488	0.50000	0.50	162.06- 202.06	182.06
Average of Peak Amounts =					0.5		

SZ 06/09/05

Data File: E4C6578F.D
Report Date: 03-Jun-2005 10:39

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E4C6578R.D
Report Date: 03-Jun-2005 10:40

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6578R.D
Lab Smp Id: TOXAPHD1 Client Smp ID: TOXAPHD1
Inj Date : 01-JUN-2005 20:16
Operator : SRC: Inst ID: E4.i
Smp Info : TOXAPHD1,TOXAPHD1,,toxaph.sub,,
Misc Info : 1,1,,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 03-Jun-2005 09:01 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxaph.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
9.92	9.92	0.000	95381	0.00500	0.0097			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
27.9	27.9	0.000	77416	0.01000	0.0095			(a)
30 Toxaphene						CAS #: 8001-35-2		
22.4	22.4	0.000	377243	0.50000	0.50	80.00- 120.00	100.00	(a)
23.1	23.1	0.000	327649	0.50000	0.50	66.85- 106.85	86.85	
24.3	24.3	0.000	414413	0.50000	0.50	89.85- 129.85	109.85	
Average of Peak Amounts =					0.5			

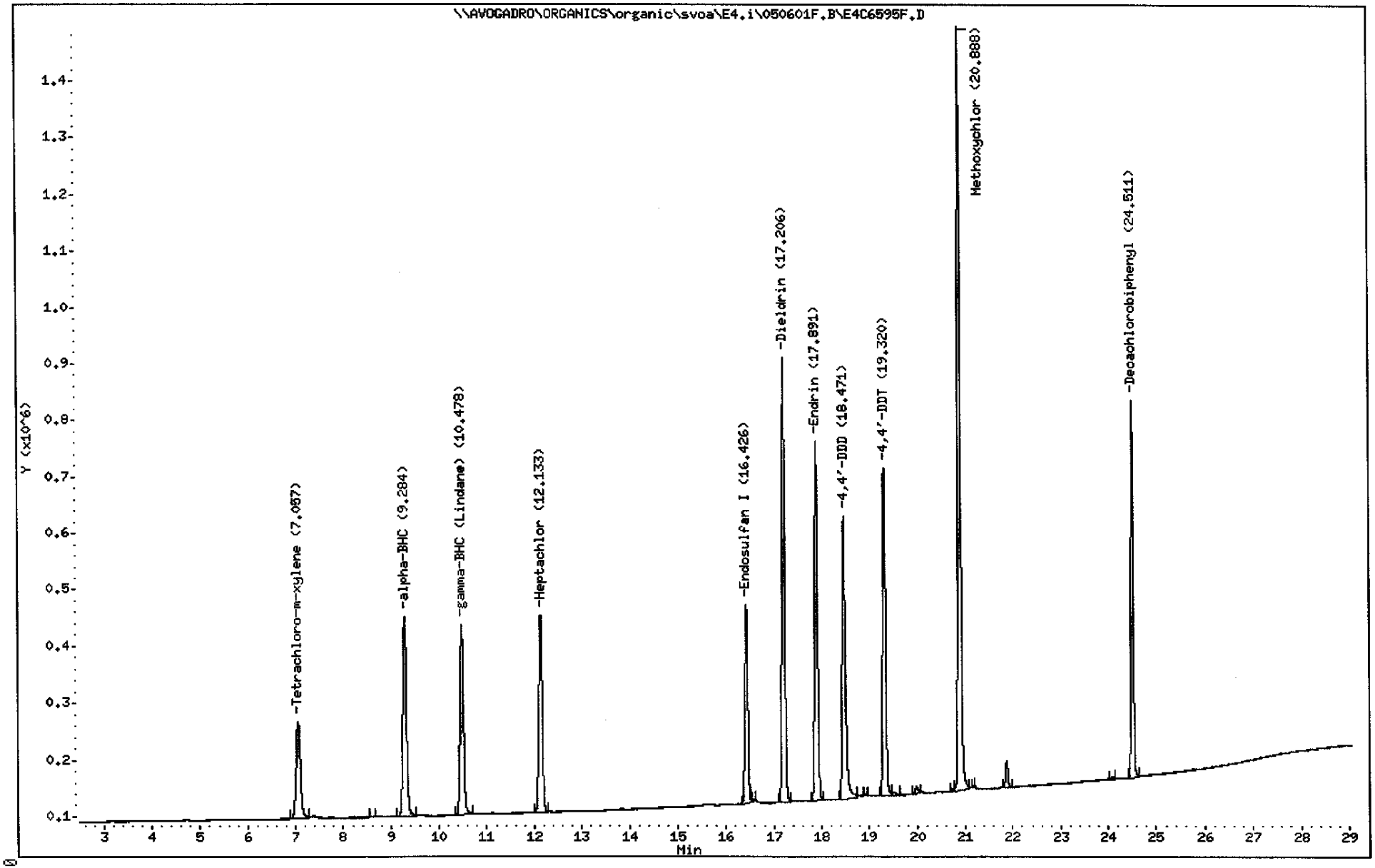
SZ 06/09/05

Data File: E4C6578R.D
Report Date: 03-Jun-2005 10:40

QC Flag Legend

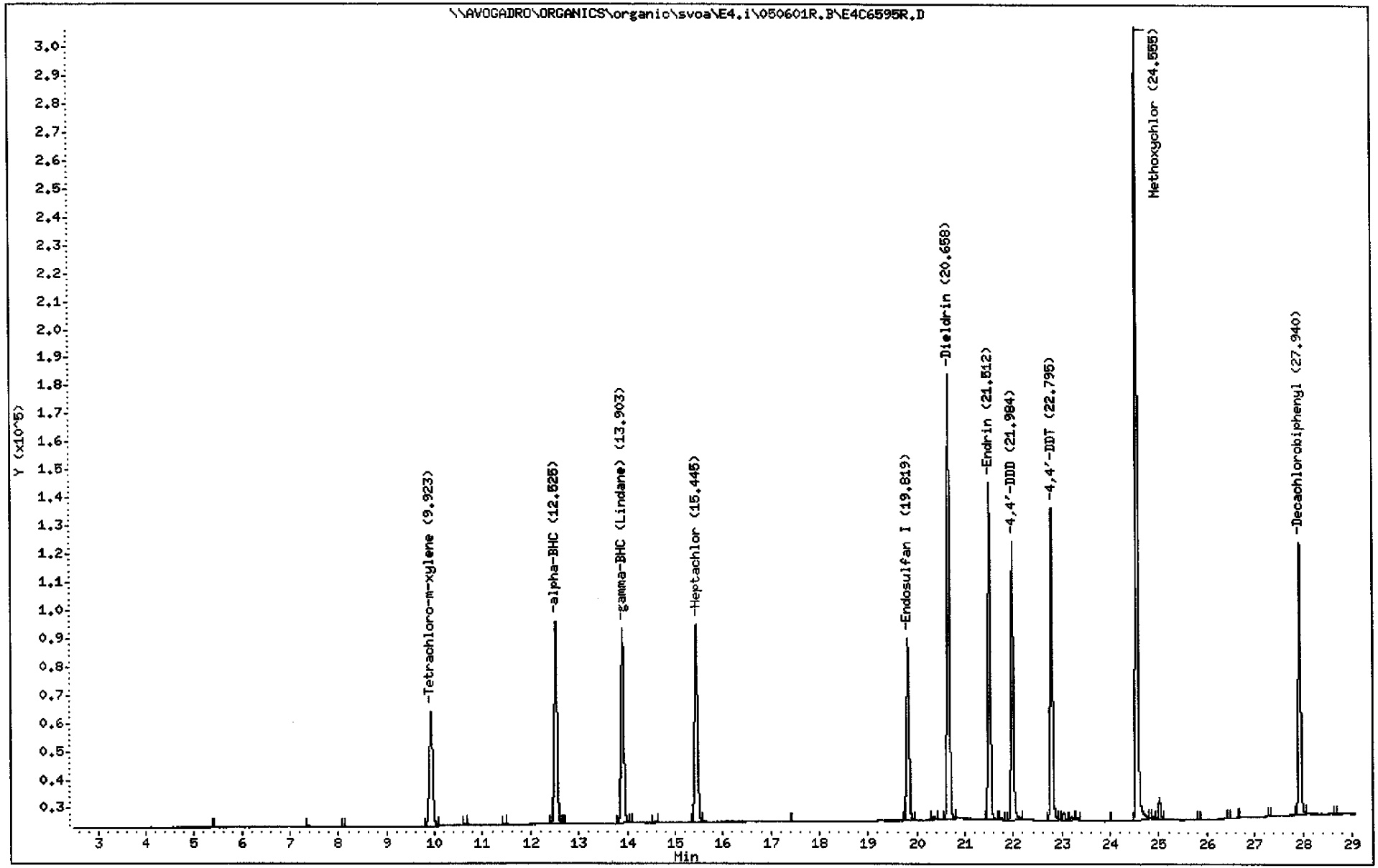
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6595F.D
Date : 02-JUN-2005 06:32
Client ID: INDAMDA
Instrument: E4.i
Sample Info: INDAMDA,INDAMDA,,inda.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0511

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6595R.D
Date : 02-JUN-2005 06:32
Client ID: INDAMDA
Instrument: E4.i
Sample Info: INDAMDA,INDAMDA,,inda.sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0512

Data File: E4C6595F.D
Report Date: 09-Jun-2005 09:04

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6595F.D
Lab Smp Id: INDAMDA Client Smp ID: INDAMDA
Inj Date : 02-JUN-2005 06:32
Operator : SRC: Inst ID: E4.i
Smp Info : INDAMDA,INDAMDA,,inda.sub,,
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 07-Jun-2005 11:30 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 24 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.06	0.000	1075849	0.02000	0.021		(a)
3 alpha-BHC					CAS #: 319-84-6		
9.28	9.29	-0.010	1797369	0.02000	0.021		(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	1643394	0.02000	0.021		(a)
5 Heptachlor					CAS #: 76-44-8		
12.1	12.1	0.000	1614077	0.02000	0.021		(a)
10 Endosulfan I					CAS #: 959-98-8		
16.4	16.4	0.000	1441062	0.02000	0.020		(a)

SZ 06/09/05

Data File: E4C6595F.D
Report Date: 09-Jun-2005 09:04

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	==========	=====
14 Dieldrin						CAS #: 60-57-1	
17.2	17.2	0.000	3118044	0.04000	0.041		(a)
15 Endrin						CAS #: 72-20-8	
17.9	17.9	0.000	2595426	0.04000	0.042		(a)
16 4,4'-DDD						CAS #: 72-54-8	
18.5	18.5	0.000	2329139	0.04000	0.042		(a)
18 4,4'-DDT						CAS #: 50-29-3	
19.3	19.3	0.000	2245556	0.04000	0.043		(a)
21 Methoxychlor						CAS #: 72-43-5	
20.9	20.9	0.000	5054061	0.20000	0.21		(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	2091931	0.04000	0.040		(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6595R.D
Report Date: 09-Jun-2005 09:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6595R.D
Lab Smp Id: INDAMDA Client Smp ID: INDAMDA
Inj Date : 02-JUN-2005 06:32
Operator : SRC: Inst ID: E4.i
Smp Info : INDAMDA,INDAMDA,,inda.sub,,
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 07-Jun-2005 11:28 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 24 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.92	9.92	0.000	202040	0.02000	0.021		(a)
3 alpha-BHC					CAS #: 319-84-6		
12.5	12.5	0.000	293234	0.02000	0.020		(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
13.9	13.9	0.000	272355	0.02000	0.020		(a)
5 Heptachlor					CAS #: 76-44-8		
15.4	15.4	0.000	287404	0.02000	0.021		(a)

SV 06/09/05

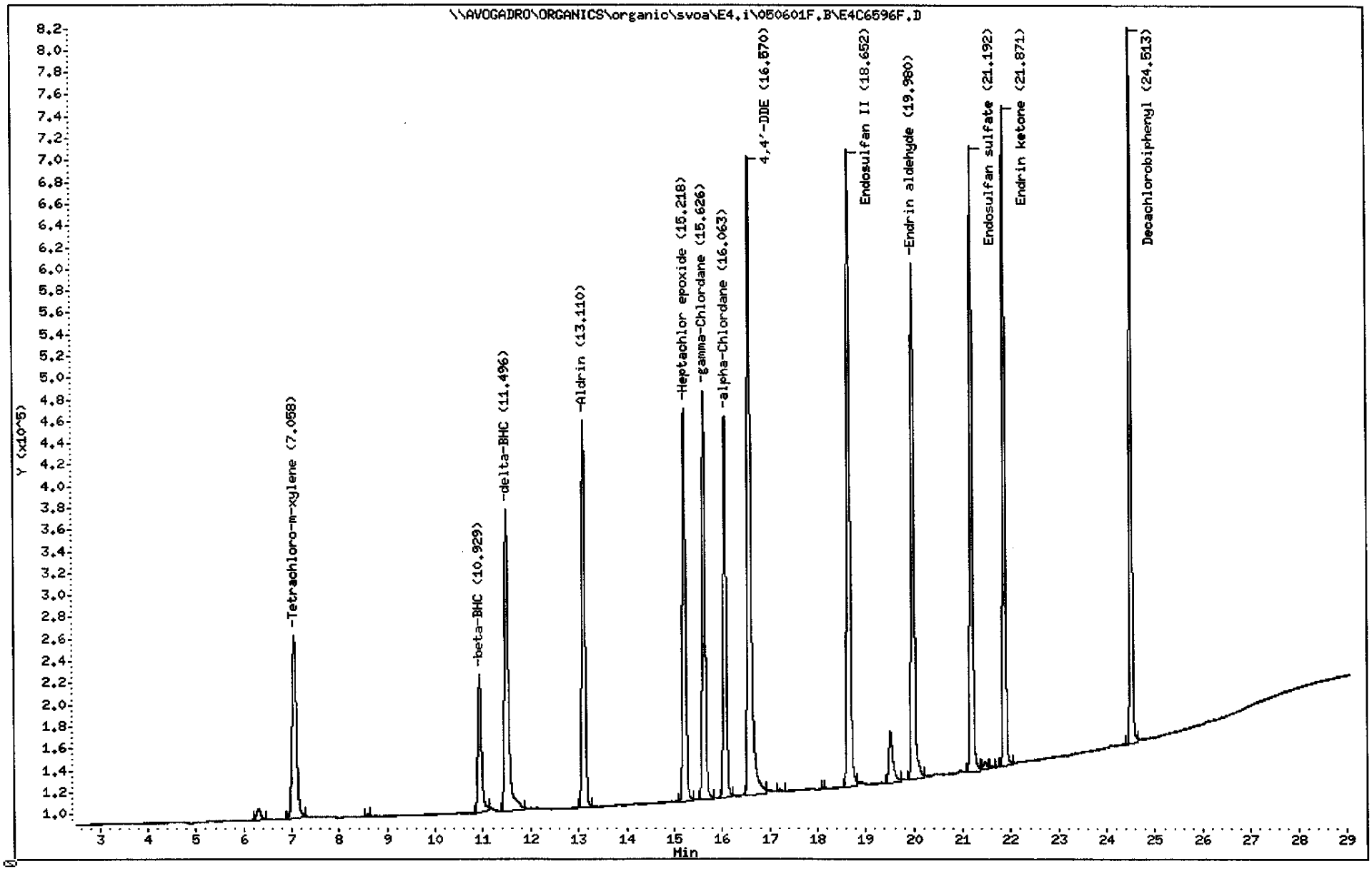
Data File: E4C6595R.D
Report Date: 09-Jun-2005 09:05

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	=======	========	========	=======	=======	============	=====
10 Endosulfan I						CAS #: 959-98-8	
19.8	19.8	0.000	237824	0.02000	0.020		(a)
14 Dieldrin						CAS #: 60-57-1	
20.7	20.7	0.000	533794	0.04000	0.041		(a)
15 Endrin						CAS #: 72-20-8	
21.5	21.5	0.000	391964	0.04000	0.041		(a)
16 4,4'-DDD						CAS #: 72-54-8	
22.0	22.0	0.000	318825	0.04000	0.041		(a)
18 4,4'-DDT						CAS #: 50-29-3	
22.8	22.8	0.000	339111	0.04000	0.041		(a)
21 Methoxychlor						CAS #: 72-43-5	
24.6	24.6	0.000	854720	0.20000	0.21		(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
27.9	27.9	0.000	323003	0.04000	0.040		(a)

QC Flag Legend

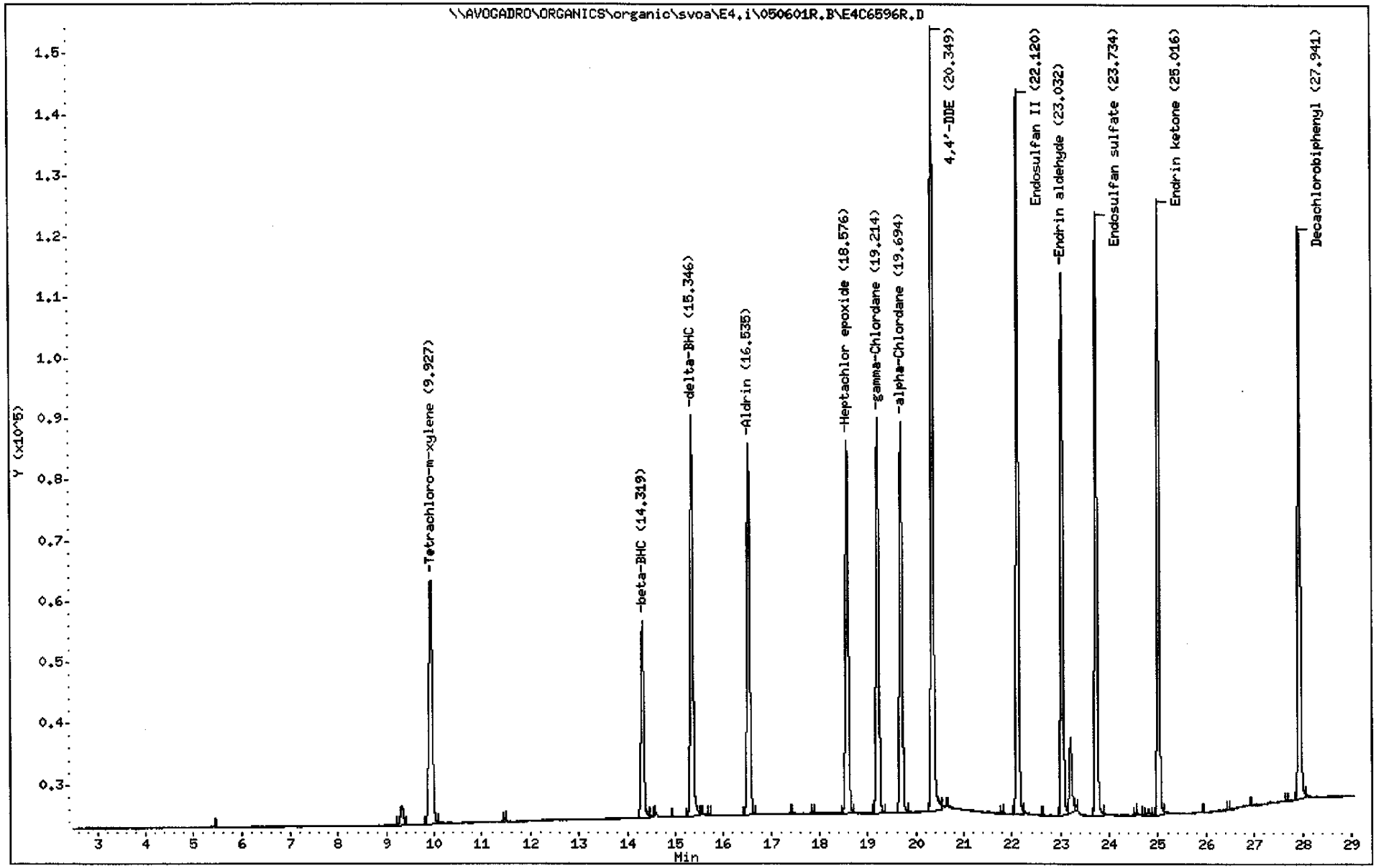
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6596F.D
Date : 02-JUN-2005 07:09
Client ID: INDBMDA
Instrument: E4.i
Sample Info: INDBMDA,INDBMDA,,indb,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0517

Data File: \\AVOCADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6596R.D
Date : 02-JUN-2005 07:09
Client ID: INDBMDA
Instrument: E4.i
Sample Info: INDBMDA,INDBMDA,,indb,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0518

Data File: E4C6596F.D
Report Date: 09-Jun-2005 09:04

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6596F.D
Lab Smp Id: INDBMDA Client Smp ID: INDBMDA
Inj Date : 02-JUN-2005 07:09
Operator : SRC: Inst ID: E4.i
Smp Info : INDBMDA,INDBMDA,,indb.sub,,
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 07-Jun-2005 11:30 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.06	7.06	0.000	1053303	0.02000	0.021			(a)
6 Aldrin					CAS #: 309-00-2			
13.1	13.1	0.000	1578303	0.02000	0.021			(a)
7 beta-BHC					CAS #: 319-85-7			
10.9	10.9	0.000	650438	0.02000	0.021			(a)
8 delta-BHC					CAS #: 319-86-8			
11.5	11.5	0.000	1513852	0.02000	0.022			(a)
9 Heptachlor epoxide					CAS #: 1024-57-3			
15.2	15.2	0.000	1506251	0.02000	0.021			(a)

SZ 06/09/05

Data File: E4C6596F.D
Report Date: 09-Jun-2005 09:04

				AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
RT	EXP RT	DLT RT	RESPONSE					
11 gamma-Chlordane						CAS #: 5103-74-2		
15.6	15.6	0.000	1579617	0.02000	0.021			(a)
12 alpha-Chlordane						CAS #: 5103-71-9		
16.1	16.1	0.000	1450652	0.02000	0.021			(a)
13 4,4'-DDE						CAS #: 72-55-9		
16.6	16.6	0.000	2927138	0.04000	0.042			(a)
17 Endosulfan II						CAS #: 33213-65-9		
18.7	18.7	0.000	2578441	0.04000	0.042			(a)
19 Endrin aldehyde						CAS #: 7421-93-4		
20.0	20.0	0.000	1903439	0.04000	0.042			(a)
20 Endosulfan sulfate						CAS #: 1031-07-8		
21.2	21.2	0.000	2043304	0.04000	0.043			(a)
22 Endrin ketone						CAS #: 53494-70-5		
21.9	21.9	0.000	2075289	0.04000	0.043			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
24.5	24.5	0.000	2075075	0.04000	0.040			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E4C6596R.D
Report Date: 09-Jun-2005 09:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6596R.D
Lab Smp Id: INDBMDA Client Smp ID: INDBMDA
Inj Date : 02-JUN-2005 07:09
Operator : SRC: Inst ID: E4.i
Smp Info : INDBMDA,INDBMDA,,indb.sub,,
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 07-Jun-2005 11:28 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.93	9.92	0.010	199375	0.02000	0.020		(a)
6 Aldrin					CAS #: 309-00-2		
16.5	16.5	0.000	241758	0.02000	0.020		(a)
7 beta-BHC					CAS #: 319-85-7		
14.3	14.3	0.000	128846	0.02000	0.020		(a)
8 delta-BHC					CAS #: 319-86-8		
15.3	15.3	0.000	249228	0.02000	0.020		(a)

SZ 06/09/05

Data File: E4C6596R.D
Report Date: 09-Jun-2005 09:05

				AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
RT	EXP RT	DLT RT	RESPONSE					
9 Heptachlor epoxide						CAS #: 1024-57-3		
18.6	18.6	0.000	242891	0.02000	0.020			(a)
11 gamma-Chlordane						CAS #: 5103-74-2		
19.2	19.2	0.000	246067	0.02000	0.020			(a)
12 alpha-Chlordane						CAS #: 5103-71-9		
19.7	19.7	0.000	235637	0.02000	0.020			(a)
13 4,4'-DDE						CAS #: 72-55-9		
20.3	20.3	0.000	452002	0.04000	0.041			(a)
17 Endosulfan II						CAS #: 33213-65-9		
22.1	22.1	0.000	386198	0.04000	0.041			(a)
19 Endrin aldehyde						CAS #: 7421-93-4		
23.0	23.0	0.000	283353	0.04000	0.041			(a)
20 Endosulfan sulfate						CAS #: 1031-07-8		
23.7	23.7	0.000	304537	0.04000	0.044			(a)
22 Endrin ketone						CAS #: 53494-70-5		
25.0	25.0	0.000	299991	0.04000	0.043			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
27.9	27.9	0.000	318971	0.04000	0.039			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PBLK4B

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: MB-18317

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6599F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 05/31/05

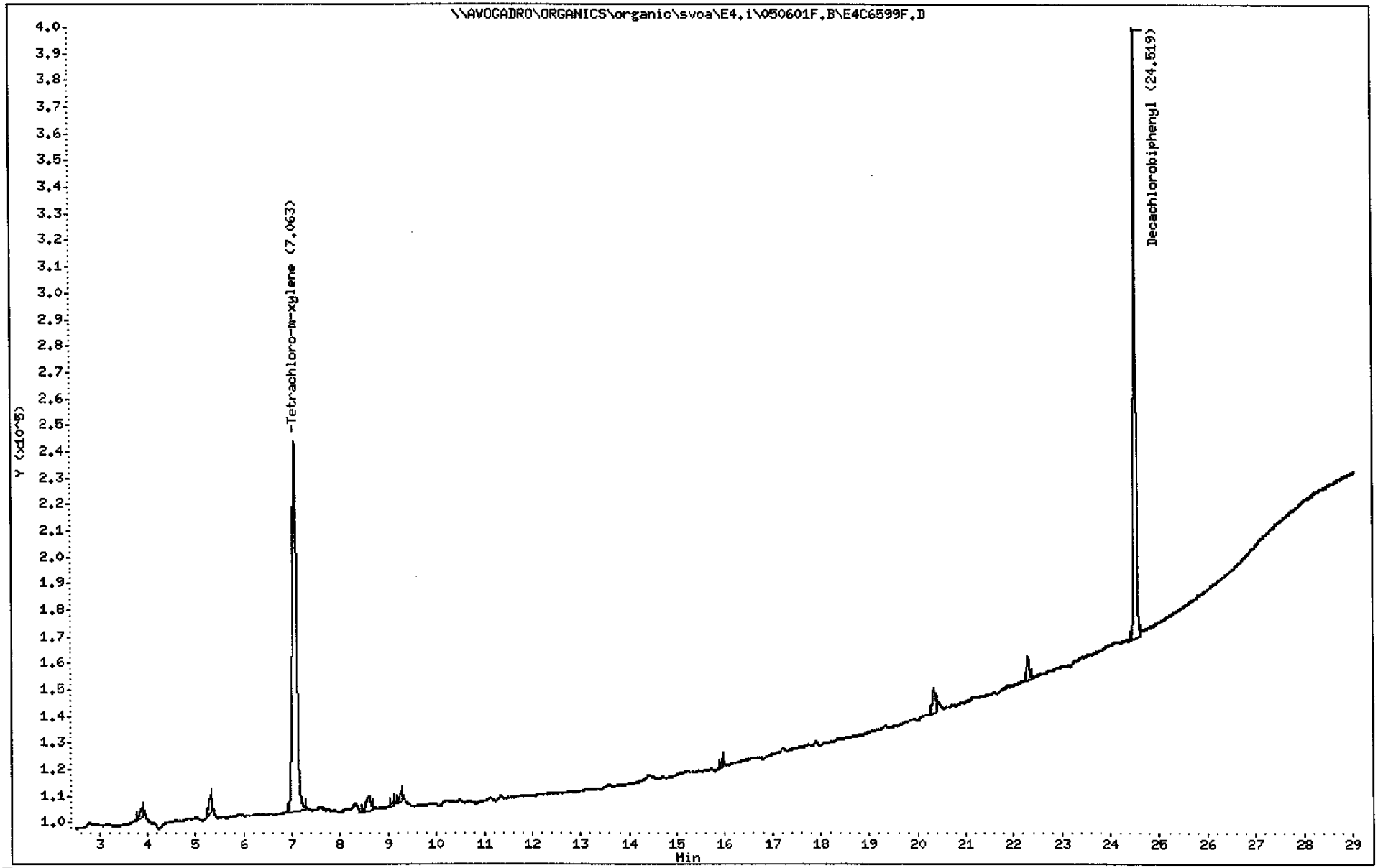
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

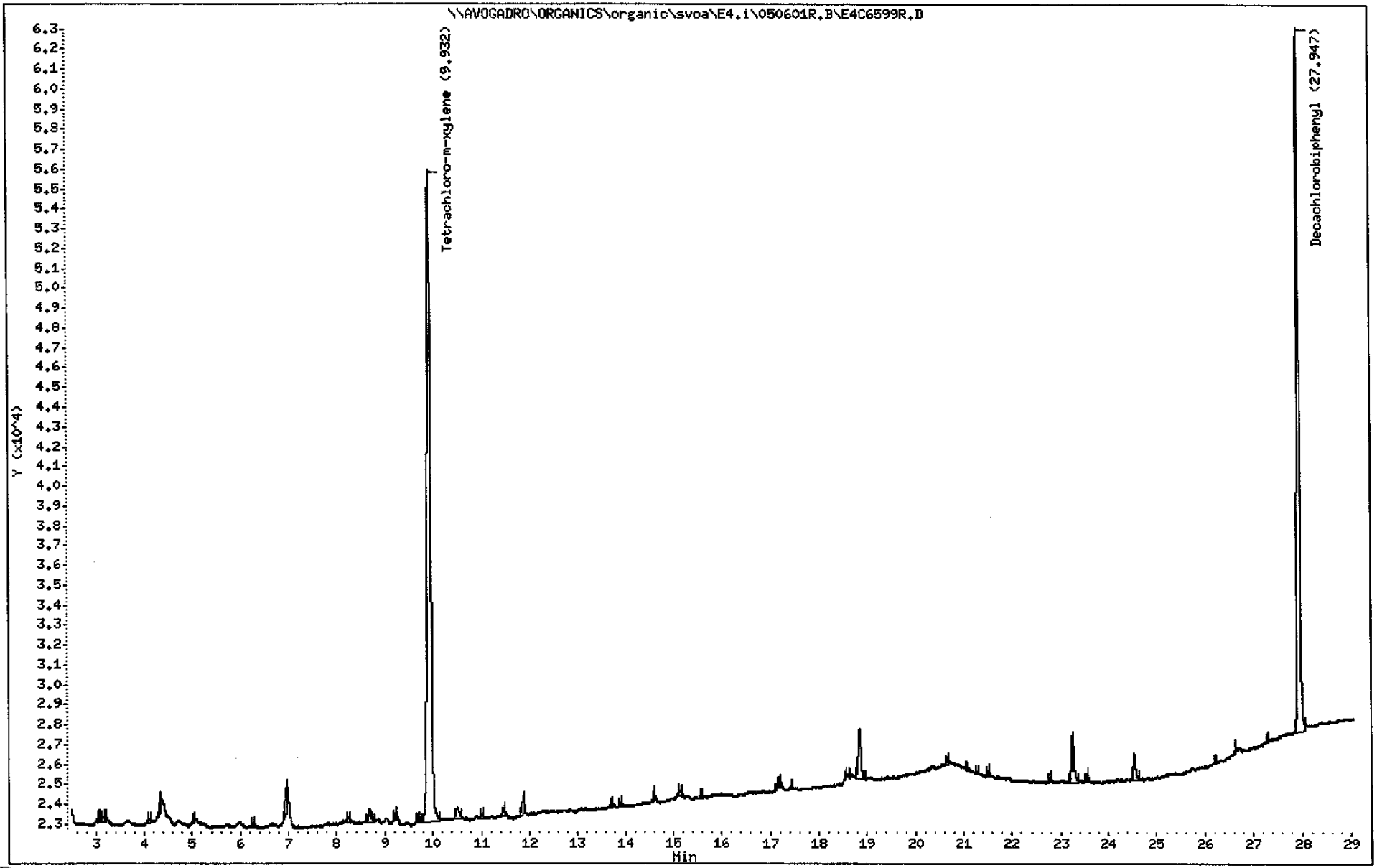
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6599F.D
Date : 02-JUN-2005 12:14
Client ID: PBLK4B
Instrument: E4.i
Sample Info: MB-18317,PBLK4B,18317,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



0524

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6599R.D
Date : 02-JUN-2005 12:14
Client ID: PBLK4B
Instrument: E4.i
Sample Info: MB-18317,PBLK4B,18317,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



0525

Data File: E4C6599F.D
Report Date: 09-Jun-2005 10:58

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6599F.D
Lab Smp Id: MB-18317 Client Smp ID: PBLK4B
Inj Date : 02-JUN-2005 12:14
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : MB-18317,PBLK4B,18317,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 07-Jun-2005 11:30 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 27 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.06	0.000	860439	0.01711	0.17		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	720760	0.01384	0.14		

SZ 06/09/05

Data File: E4C6599R.D
Report Date: 09-Jun-2005 10:59

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6599R.D
Lab Smp Id: MB-18317 Client Smp ID: PBLK4B
Inj Date : 02-JUN-2005 12:14
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : MB-18317,PBLK4B,18317,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 07-Jun-2005 11:28 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 27 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.93	9.92	0.010	170597	0.01740	0.17		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
27.9	27.9	0.000	119067	0.01458	0.15		

SL 06/09/05

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKD2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: PIBLKD2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6585F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKD2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: PIBLKD2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6585R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

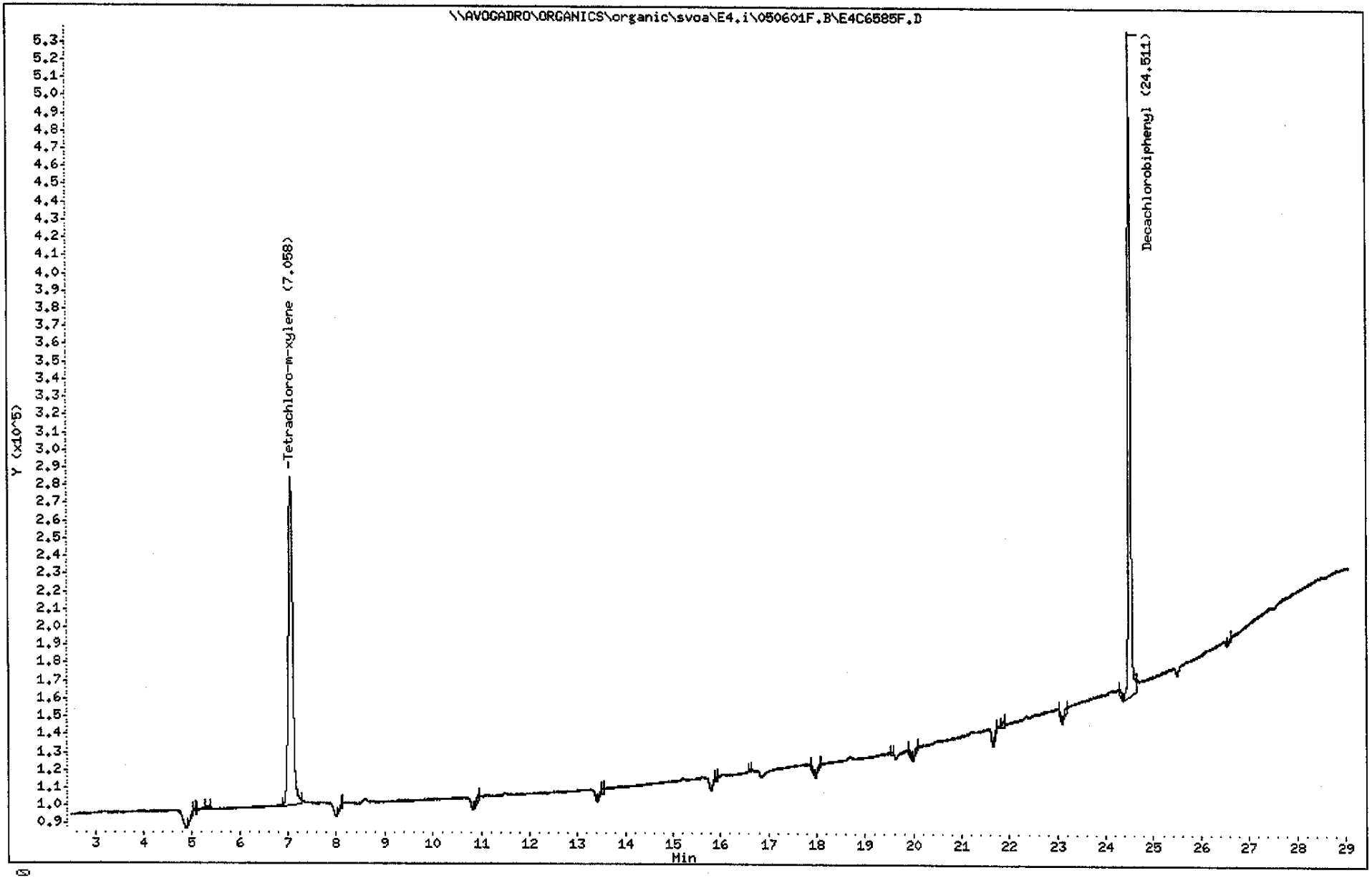
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

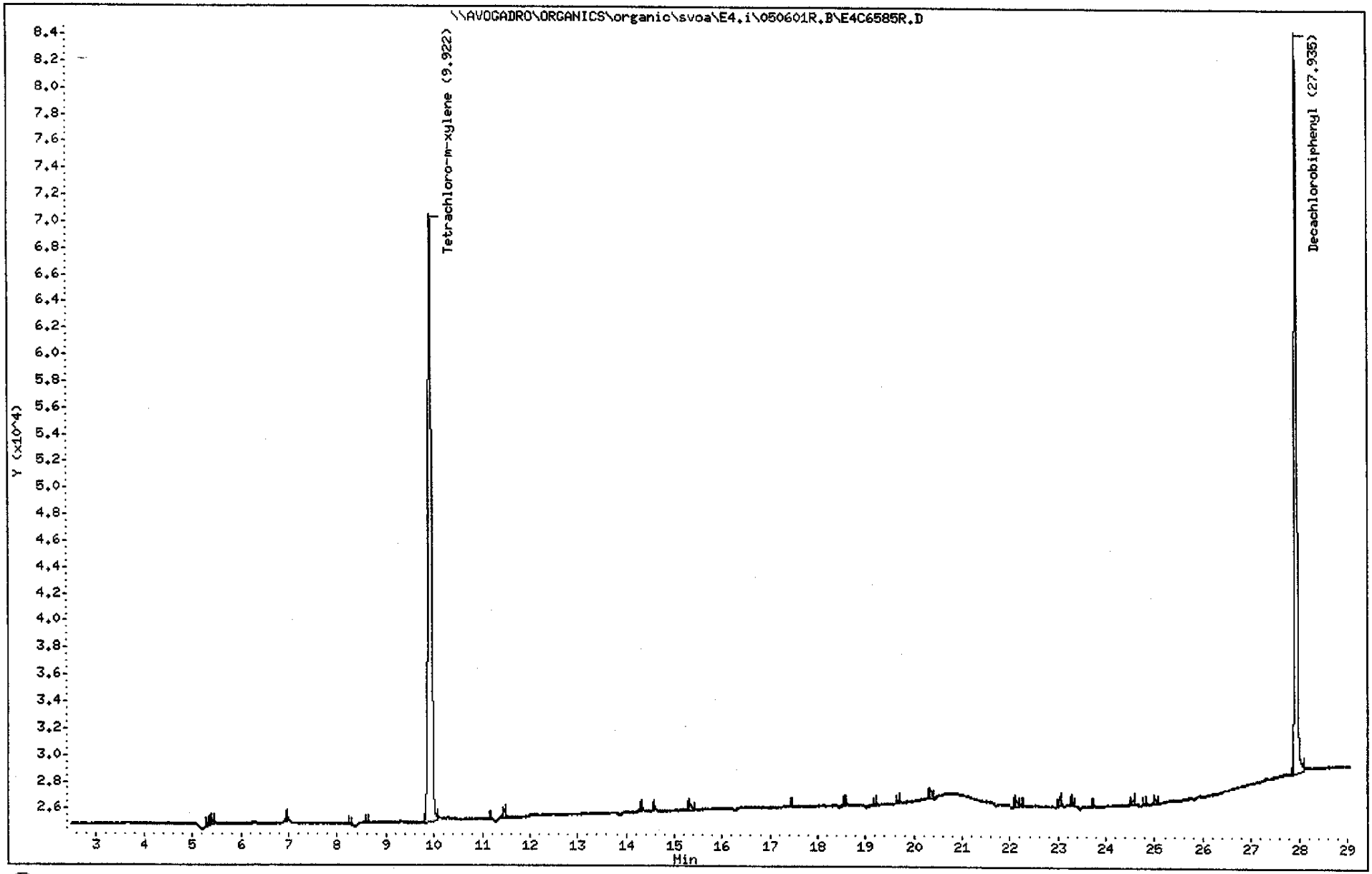
Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6585F.D
Date : 02-JUN-2005 00:30
Client ID: PIBLKD2
Instrument: E4.i
Sample Info: PIBLKD2,PIBLKD2,,,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0530

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6585R.D
Date : 02-JUN-2005 00:30
Client ID: PIBLKD2
Sample Info: PIBLKD2,PIBLKD2,,,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0531

Data File: E4C6585F.D
Report Date: 03-Jun-2005 10:39

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6585F.D
Lab Smp Id: PIBLKD2 Client Smp ID: PIBLKD2
Inj Date : 02-JUN-2005 00:30
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKD2,PIBLKD2,,,,
Misc Info : 3,,INSTBLANK,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 03-Jun-2005 09:06 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CLP.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene			CAS #: 877-09-8				
7.06	7.06	0.000	1163207	0.02314	0.23		
$ 2 Decachlorobiphenyl			CAS #: 2051-24-3				
24.5	24.5	0.000	1264447	0.02428	0.24		

SZ 06/03/05

Data File: E4C6585R.D
Report Date: 03-Jun-2005 10:41

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6585R.D
Lab Smp Id: PIBLKD2 Client Smp ID: PIBLKD2
Inj Date : 02-JUN-2005 00:30
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKD2,PIBLKD2,,,,
Misc Info : 3,,INSTBLANK,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 03-Jun-2005 09:01 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CLP.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			CONCENTRATIONS				
				ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.92	9.92	0.000	227533	0.02321	0.23		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
27.9	27.9	0.000	193040	0.02363	0.24		

SZ 06/03/05

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKDA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: PIBLKDA

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6594F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKDA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: PIBLKDA

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6594R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

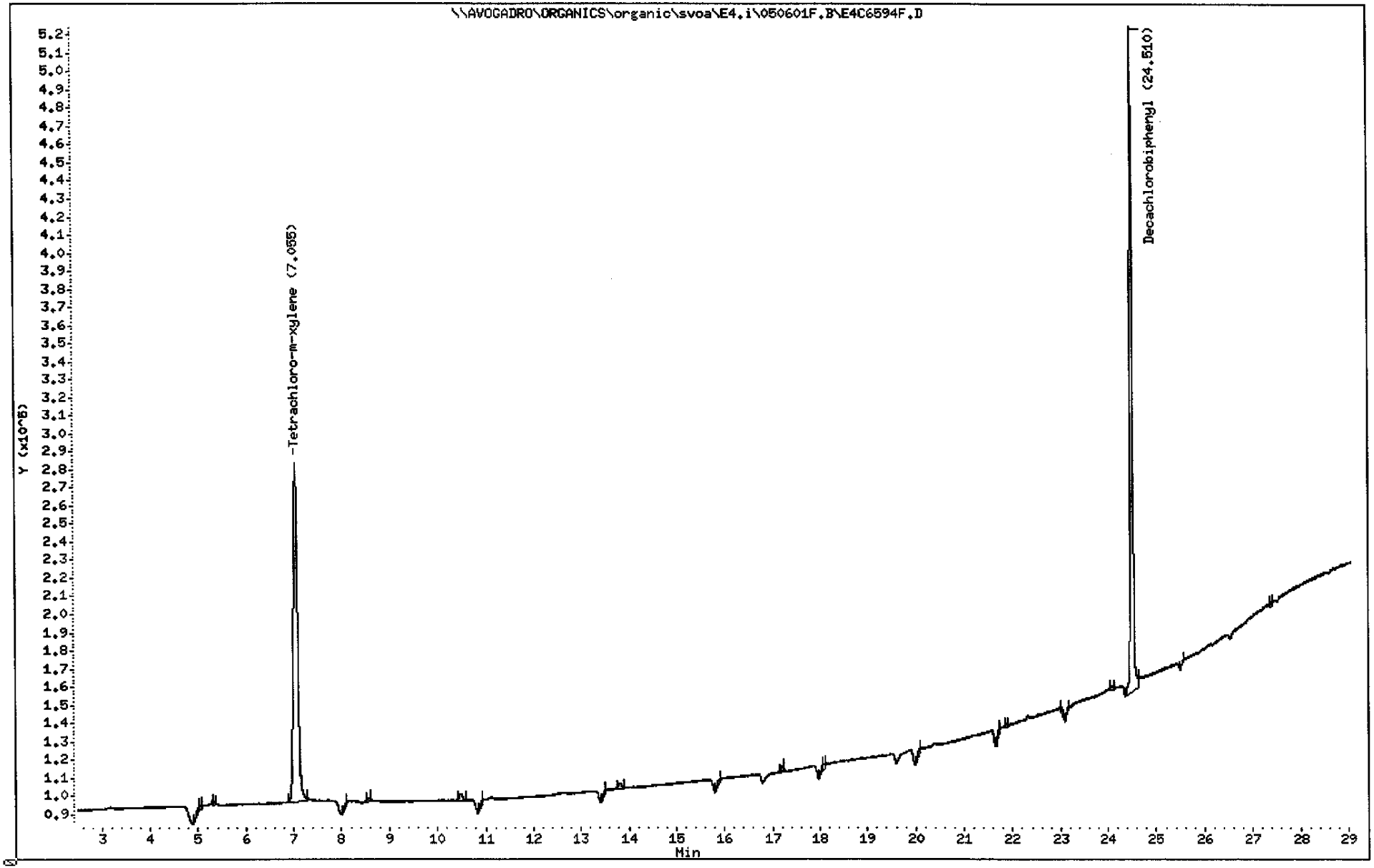
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

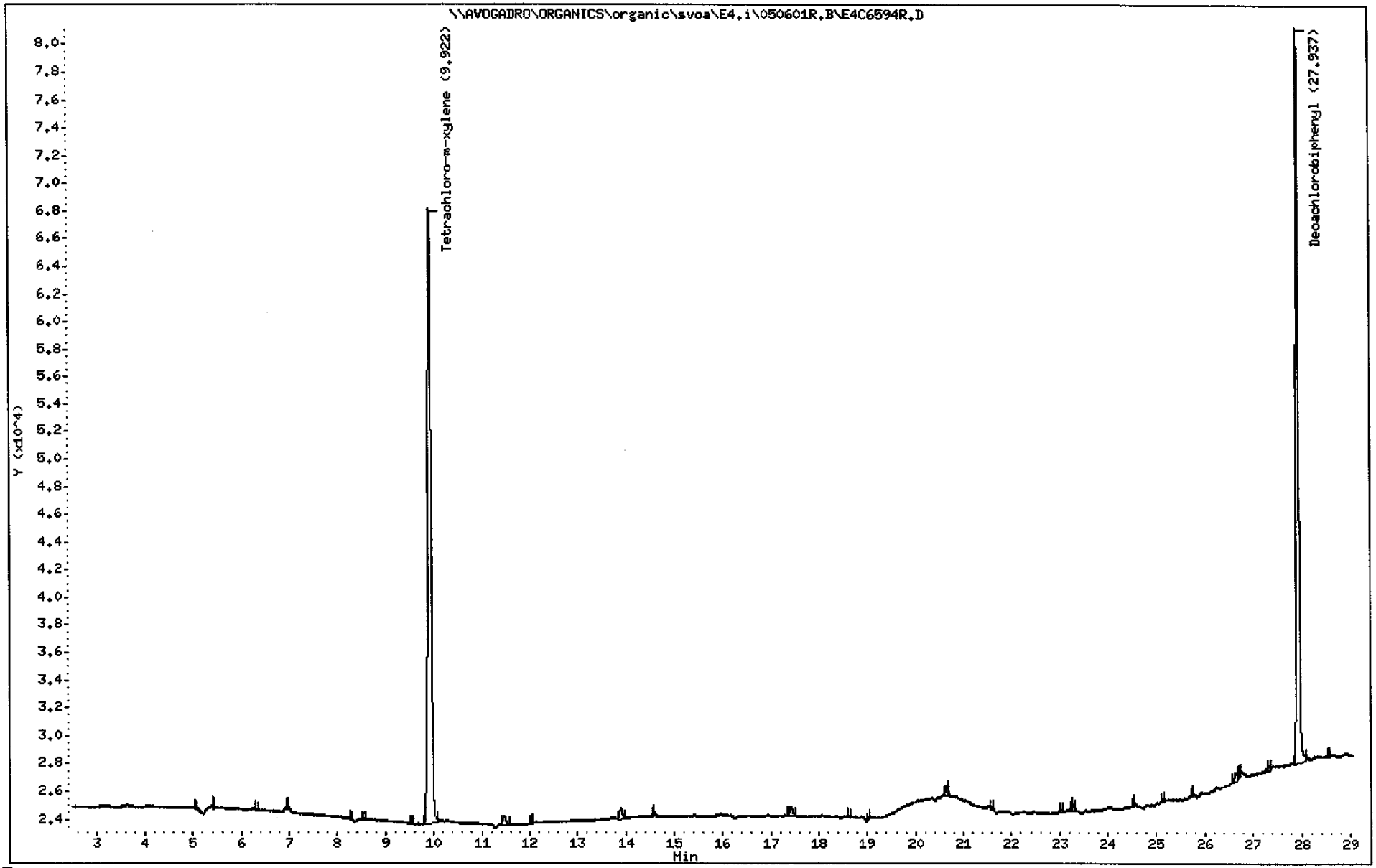
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6594F.D
Date : 02-JUN-2005 05:56
Client ID: PIBLKDA
Instrument: E4.i
Sample Info: PIBLKDA,PIBLKDA,,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0536

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6594R.D
Date : 02-JUN-2005 05:56
Client ID: PIBLKDA
Instrument: E4.i
Sample Info: PIBLKDA,PIBLKDA,,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0537

Data File: E4C6594F.D
Report Date: 09-Jun-2005 09:04

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6594F.D
Lab Smp Id: PIBLKDA Client Smp ID: PIBLKDA
Inj Date : 02-JUN-2005 05:56
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKDA,PIBLKDA,,clp.sub,,
Misc Info : 3,,INSTBLANK,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 07-Jun-2005 11:30 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.06	7.06	0.000	1158256	0.02304	0.23		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	1209678	0.02323	0.23		

SZ 06/09/05

Data File: E4C6594R.D
Report Date: 09-Jun-2005 09:04

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6594R.D
Lab Smp Id: PIBLKDA Client Smp ID: PIBLKDA
Inj Date : 02-JUN-2005 05:56
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKDA,PIBLKDA,,clp.sub,,
Misc Info : 3,,INSTBLANK,1,,
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 07-Jun-2005 11:28 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.92	9.92	0.000	222366	0.02268	0.23		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
27.9	27.9	0.000	181930	0.02227	0.22		

SL 06/09/05

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKDB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: PIBLKDB

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6607F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKDB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: PIBLKDB

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6607R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

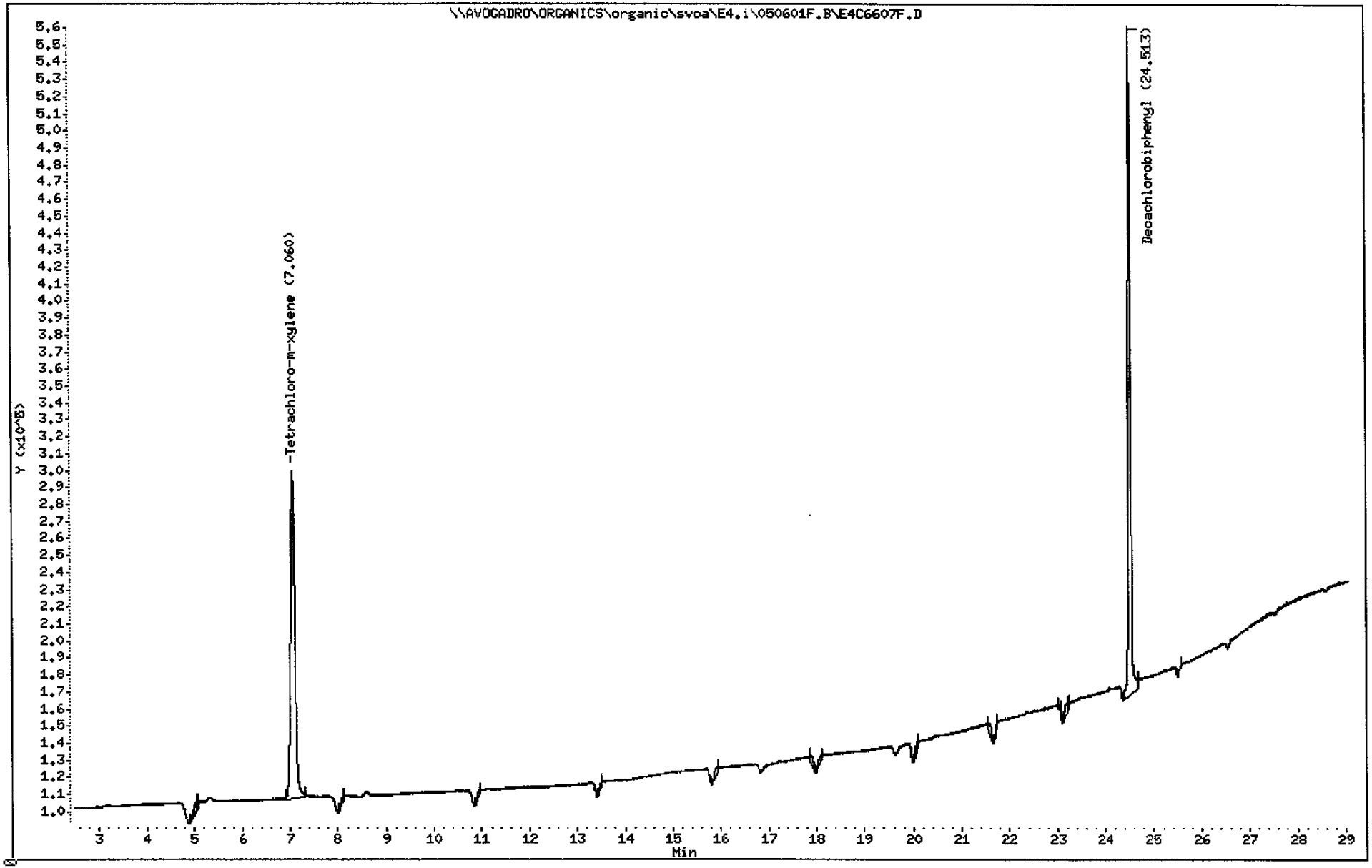
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

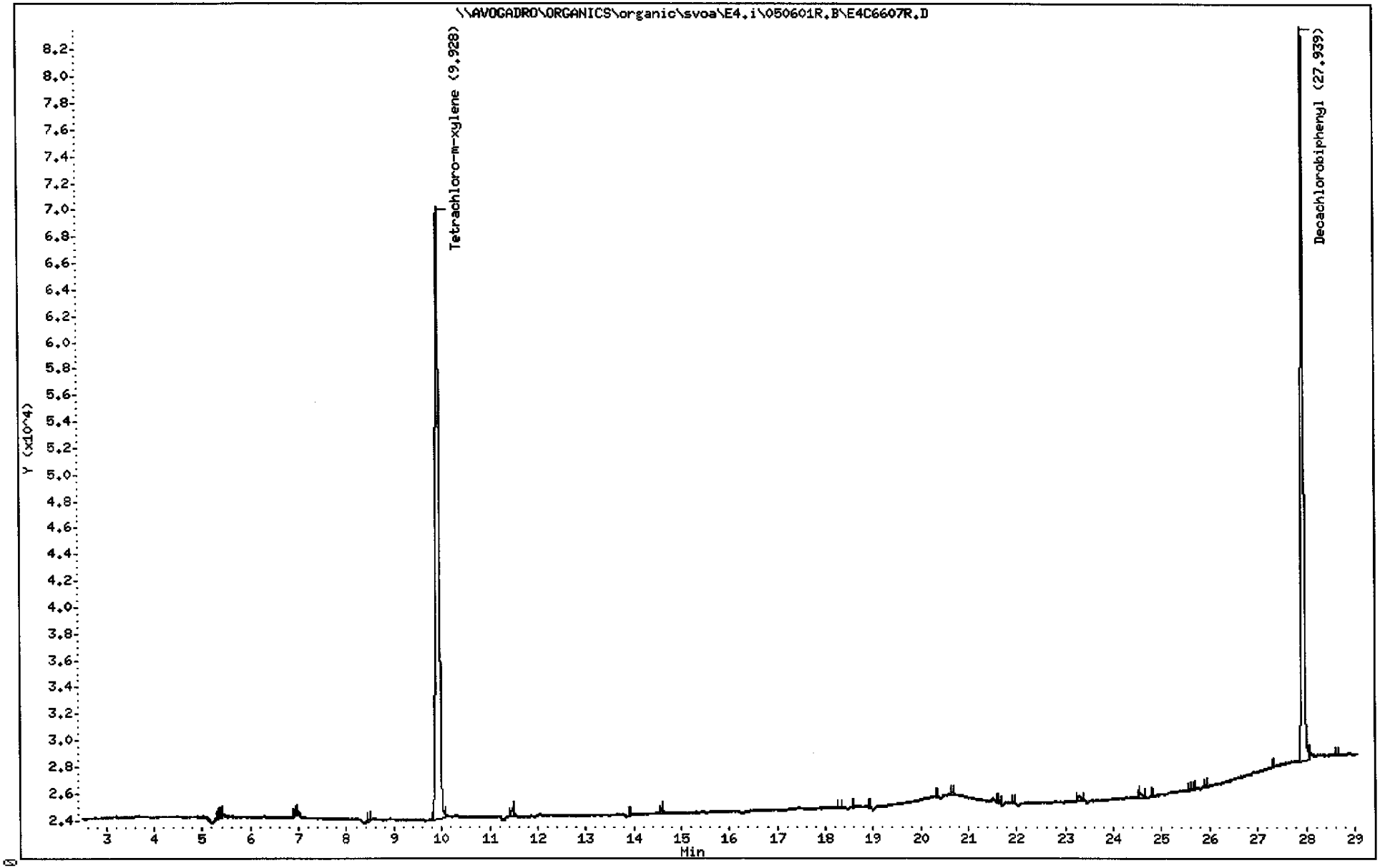
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Me		

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6607F.D
Date : 02-JUN-2005 17:04
Client ID: PIBLKDB
Instrument: E4.i
Sample Info: PIBLKDB,PIBLKDB,,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPest
Column diameter: 0.53



0542

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6607R.D
Date : 02-JUN-2005 17:04
Client ID: PIBLKDB
Instrument: E4.i
Sample Info: PIBLKDB,PIBLKDB,,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC:
Column phase: CLPPESTII
Column diameter: 0.53



0543

Data File: E4C6607F.D
Report Date: 09-Jun-2005 09:04

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6607F.D
Lab Smp Id: PIBLKDB Client Smp ID: PIBLKDB
Inj Date : 02-JUN-2005 17:04
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKDB,PIBLKDB,,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 07-Jun-2005 11:30 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.06	0.000	1207925	0.02403	0.24		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	1324496	0.02544	0.25		

SZ 06/09/05

Data File: E4C6607R.D
Report Date: 09-Jun-2005 09:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6607R.D
Lab Smp Id: PIBLKDB Client Smp ID: PIBLKDB
Inj Date : 02-JUN-2005 17:04
Operator : SRC: Inst ID: E4.i
Smp Info : PIBLKDB,PIBLKDB,,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 07-Jun-2005 11:28 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
9.93	9.92	0.010	229375	0.02339	0.23		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
27.9	27.9	0.000	189664	0.02322	0.23		

5z 06/09/05

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

P4BLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: LCS-18317

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6600F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 05/31/05

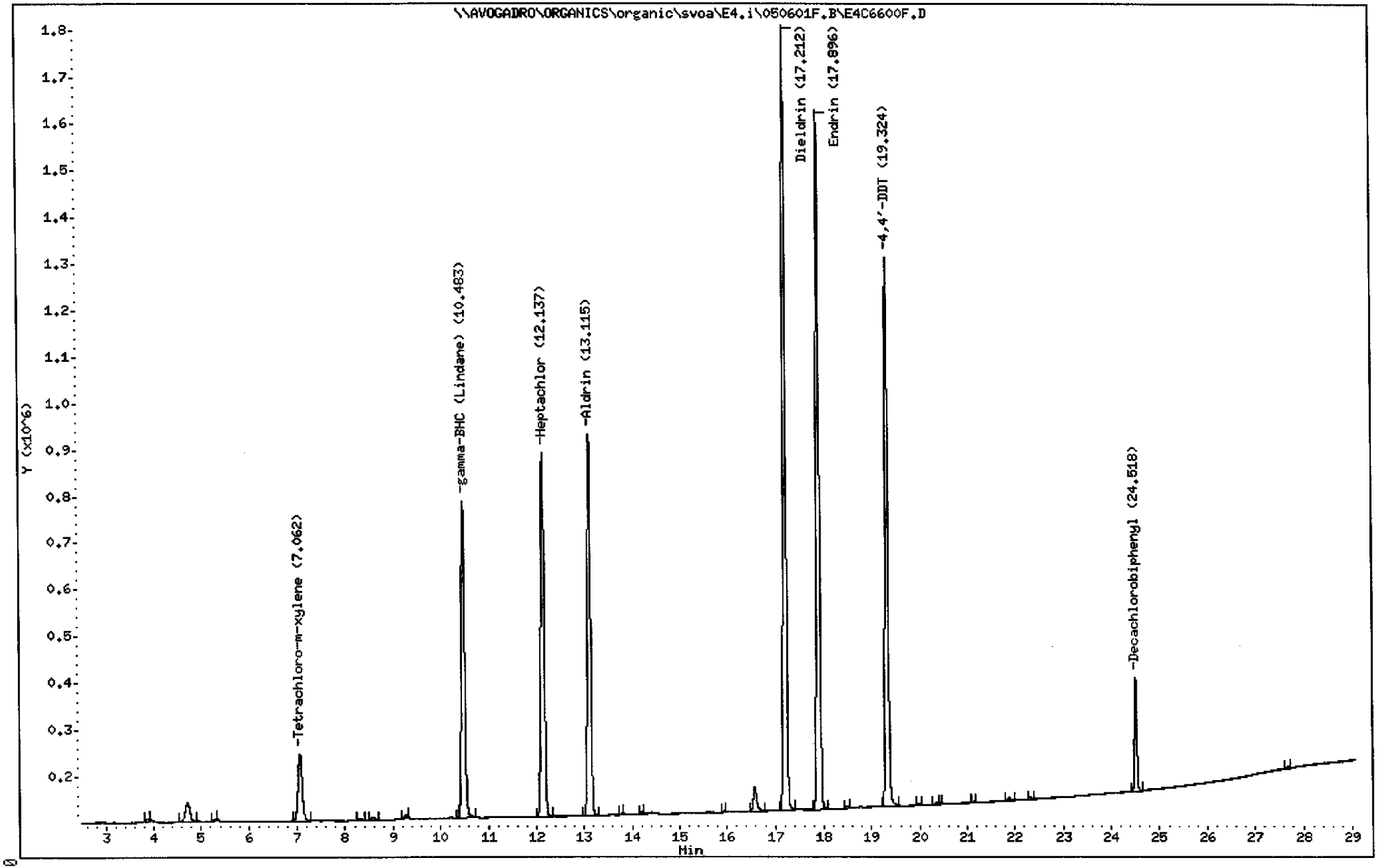
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

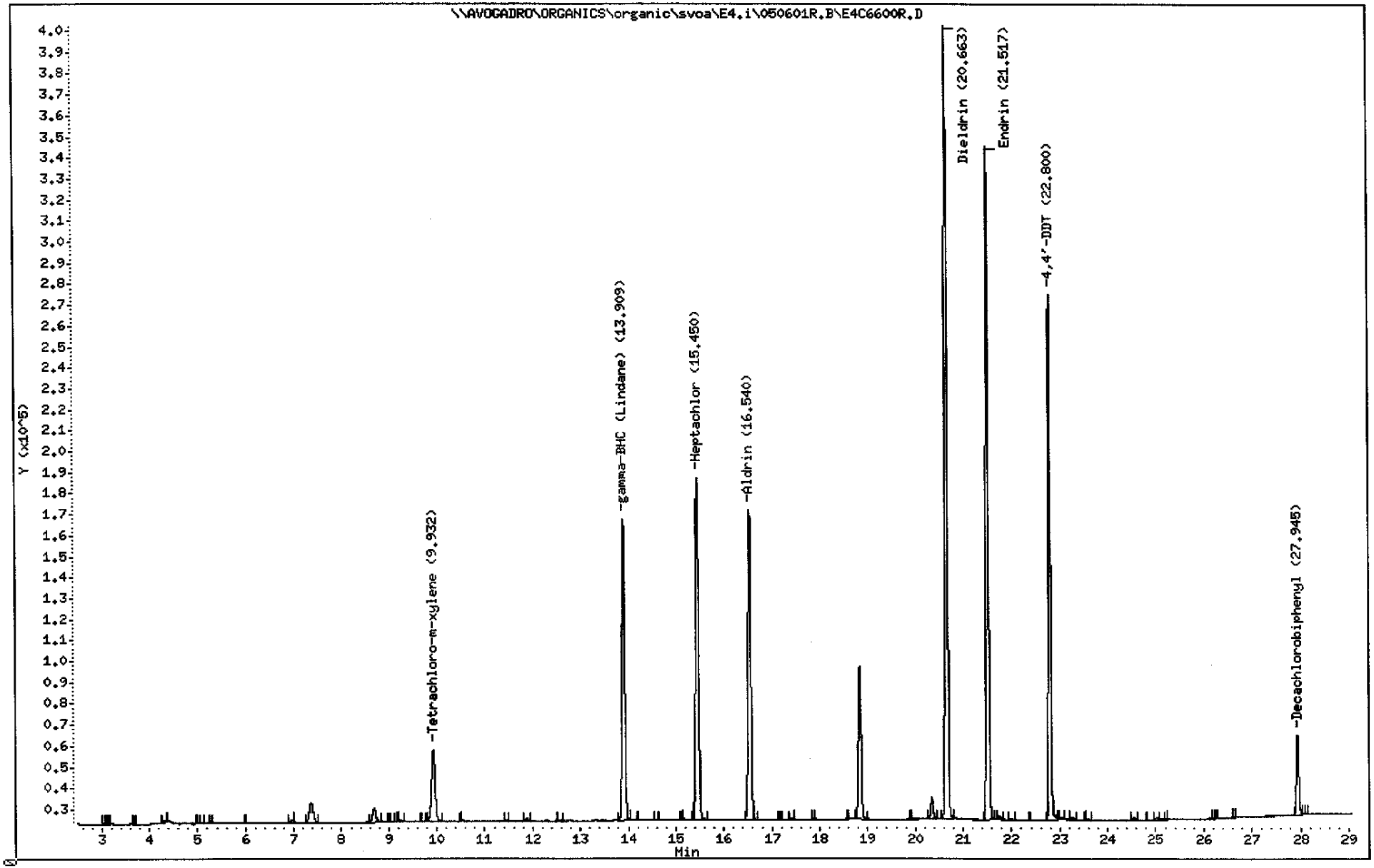
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.41	
76-44-8	Heptachlor	0.47	
309-00-2	Aldrin	0.48	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.89	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.99	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.87	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6600F.D
Date : 02-JUN-2005 12:50
Client ID: P4BLCS
Instrument: E4.i
Sample Info: LCS-18317,P4BLCS,18317,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



0547

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6600R.D
Date : 02-JUN-2005 12:50
Client ID: P4BLCS
Instrument: E4.i
Sample Info: LCS-18317,P4BLCS,18317,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



0548

Data File: E4C6600F.D
Report Date: 09-Jun-2005 10:58

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6600F.D
Lab Smp Id: LCS-18317 Client Smp ID: P4BLCS
Inj Date : 02-JUN-2005 12:50
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : LCS-18317,P4BLCS,18317,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 07-Jun-2005 11:30 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 28 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.06	0.000	879939	0.01750	0.18		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	764398	0.01468	0.15		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	3228867	0.04197	0.42		
5 Heptachlor					CAS #: 76-44-8		
12.1	12.1	0.000	3589009	0.04732	0.47		

SZ 06/09/05

Data File: E4C6600F.D
Report Date: 09-Jun-2005 10:58

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
6 Aldrin					CAS #: 309-00-2		
13.1	13.1	0.000	3633730	0.04756	0.48		
14 Dieldrin					CAS #: 60-57-1		
17.2	17.2	0.000	6740870	0.08925	0.89		
15 Endrin					CAS #: 72-20-8		
17.9	17.9	0.000	6163555	0.09894	0.99		
18 4,4'-DDT					CAS #: 50-29-3		
19.3	19.3	0.000	4602301	0.08728	0.87		

Data File: E4C6600R.D
Report Date: 09-Jun-2005 10:59

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6600R.D
Lab Smp Id: LCS-18317 Client Smp ID: P4BLCS
Inj Date : 02-JUN-2005 12:50
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : LCS-18317,P4BLCS,18317,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 07-Jun-2005 11:28 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 28 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.93	9.92	0.010	177019	0.01805	0.18		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
27.9	27.9	0.000	123520	0.01512	0.15		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
13.9	13.9	0.000	550593	0.04144	0.41		
5 Heptachlor					CAS #: 76-44-8		
15.5	15.4	0.100	654020	0.04685	0.47		

SZ 06/09/05

Data File: E4C6600R.D
Report Date: 09-Jun-2005 10:59

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	=======	========	========	=======	=======	==========	=====
6 Aldrin						CAS #: 309-00-2	
16.5	16.5	0.000	577390	0.04806	0.48		
14 Dieldrin						CAS #: 60-57-1	
20.7	20.7	0.000	1262329	0.09655	0.97		
15 Endrin						CAS #: 72-20-8	
21.5	21.5	0.000	1021727	0.10645	1.1		
18 4,4'-DDT						CAS #: 50-29-3	
22.8	22.8	0.000	755150	0.09048	0.90		

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01BMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6605F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/27/05

Extraction: (Type) SEPF Date Extracted: 05/31/05

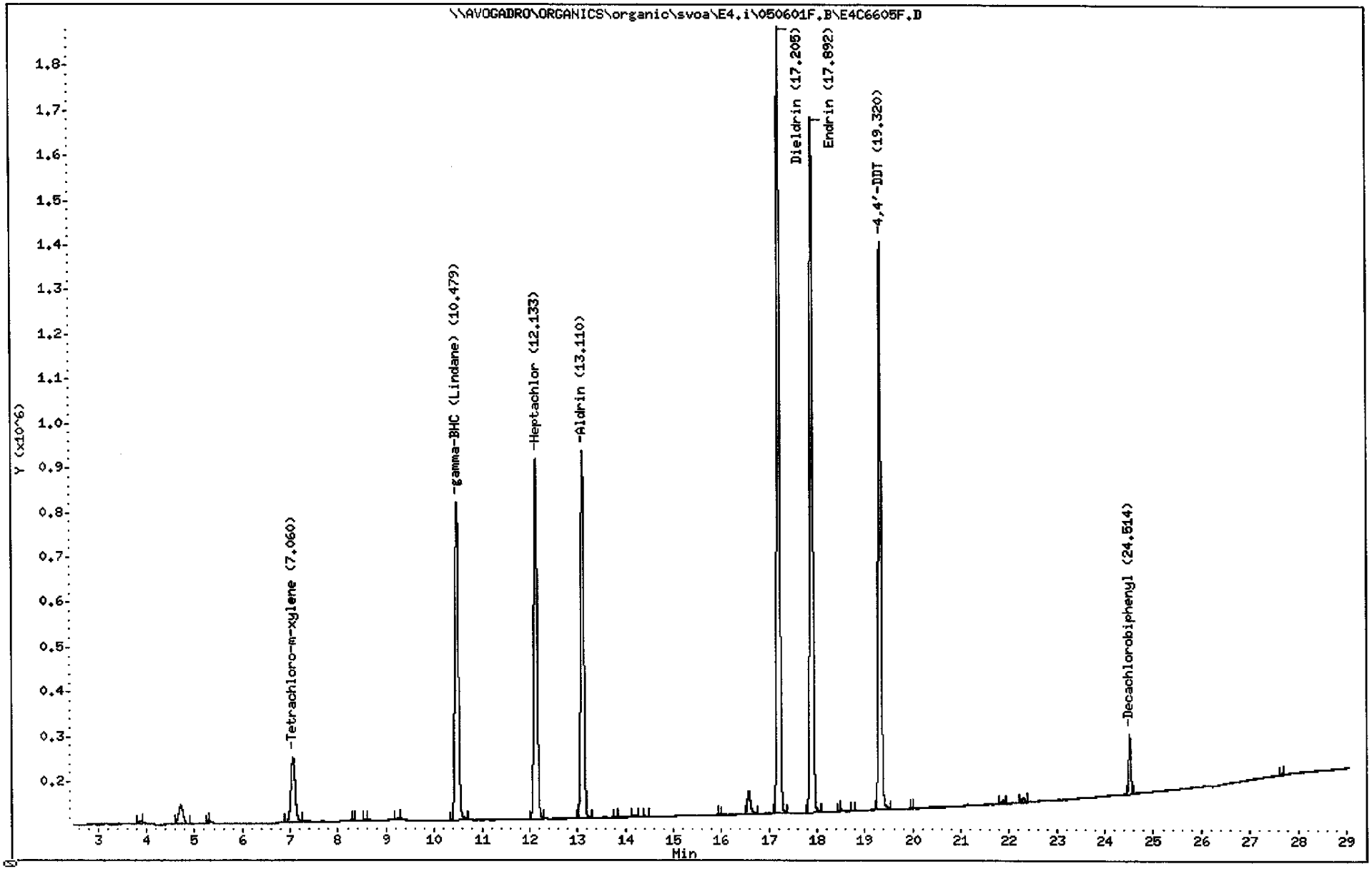
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

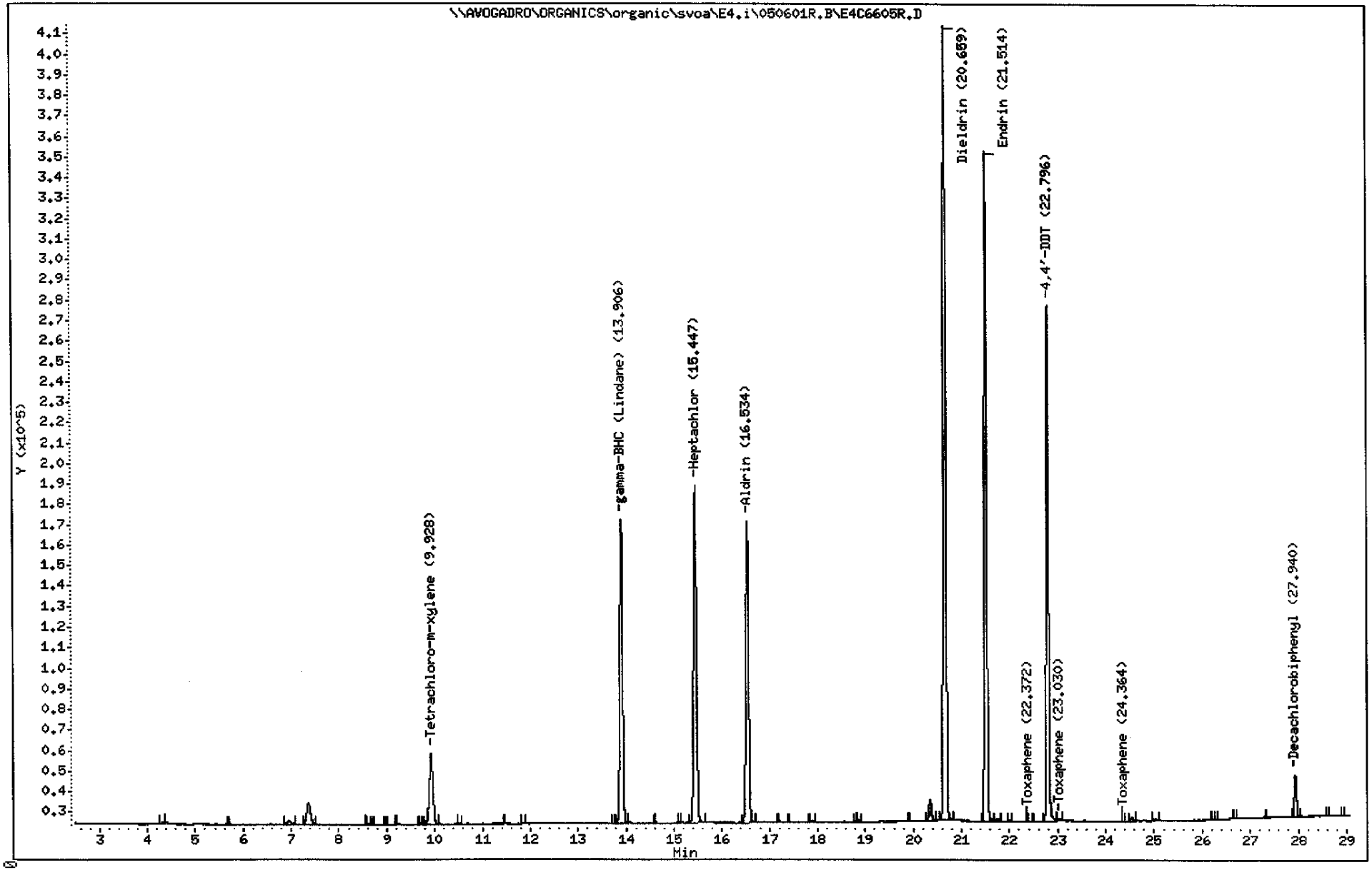
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.43	
76-44-8	Heptachlor	0.48	
309-00-2	Aldrin	0.48	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.93	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	1.0	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.91	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6605F.D
Date : 02-JUN-2005 15:52
Client ID: MW-01MS
Instrument: E4.i
Sample Info: D0618-01BMS,,18317,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



0554

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6605R.D
Date : 02-JUN-2005 15:52
Client ID: MW-01MS
Instrument: E4.i
Sample Info: D0618-01BMS,,18317,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



0555

Data File: E4C6605F.D
Report Date: 09-Jun-2005 10:59

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6605F.D
Lab Smp Id: D0618-01BMS Client Smp ID: MW-01MS
Inj Date : 02-JUN-2005 15:52
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0618-01BMS,,18317,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 07-Jun-2005 11:30 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 33 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.06	7.06	0.000	900712	0.01792	0.18		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
24.5	24.5	0.000	415286	0.00798	0.080		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
10.5	10.5	0.000	3370310	0.04381	0.44		
5 Heptachlor					CAS #: 76-44-8		
12.1	12.1	0.000	3685489	0.04859	0.49		

SL 06/09/05

Data File: E4C6605F.D
Report Date: 09-Jun-2005 10:59

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
6 Aldrin					CAS #: 309-00-2		
13.1	13.1	0.000	3632147	0.04754	0.48		
14 Dieldrin					CAS #: 60-57-1		
17.2	17.2	0.000	6989373	0.09254	0.93		
15 Endrin					CAS #: 72-20-8		
17.9	17.9	0.000	6401135	0.10276	1.0		
18 4,4'-DDT					CAS #: 50-29-3		
19.3	19.3	0.000	4861273	0.09219	0.92		

Data File: E4C6605R.D
Report Date: 09-Jun-2005 11:00

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6605R.D
Lab Smp Id: D0618-01BMS Client Smp ID: MW-01MS
Inj Date : 02-JUN-2005 15:52
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0618-01BMS,,18317,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 07-Jun-2005 11:28 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 33 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.93	9.92	0.010	176854	0.01804	0.18		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
27.9	27.9	0.000	67158	0.00822	0.082		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
13.9	13.9	0.000	570132	0.04291	0.43		
5 Heptachlor					CAS #: 76-44-8		
15.4	15.4	0.000	666633	0.04776	0.48		

SL 06/09/05

Data File: E4C6605R.D
Report Date: 09-Jun-2005 11:00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
6 Aldrin					CAS #: 309-00-2		
16.5	16.5	0.000	574459	0.04782	0.48		
14 Dieldrin					CAS #: 60-57-1		
20.7	20.7	0.000	1300418	0.09947	0.99		
15 Endrin					CAS #: 72-20-8		
21.5	21.5	0.000	1054099	0.10983	1.1		
18 4,4'-DDT					CAS #: 50-29-3		
22.8	22.8	0.000	759112	0.09095	0.91		

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0618

Matrix: (soil/water) WATER Lab Sample ID: D0618-01BMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4C6606F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 05/27/05

Extraction: (Type) SEPF Date Extracted: 05/31/05

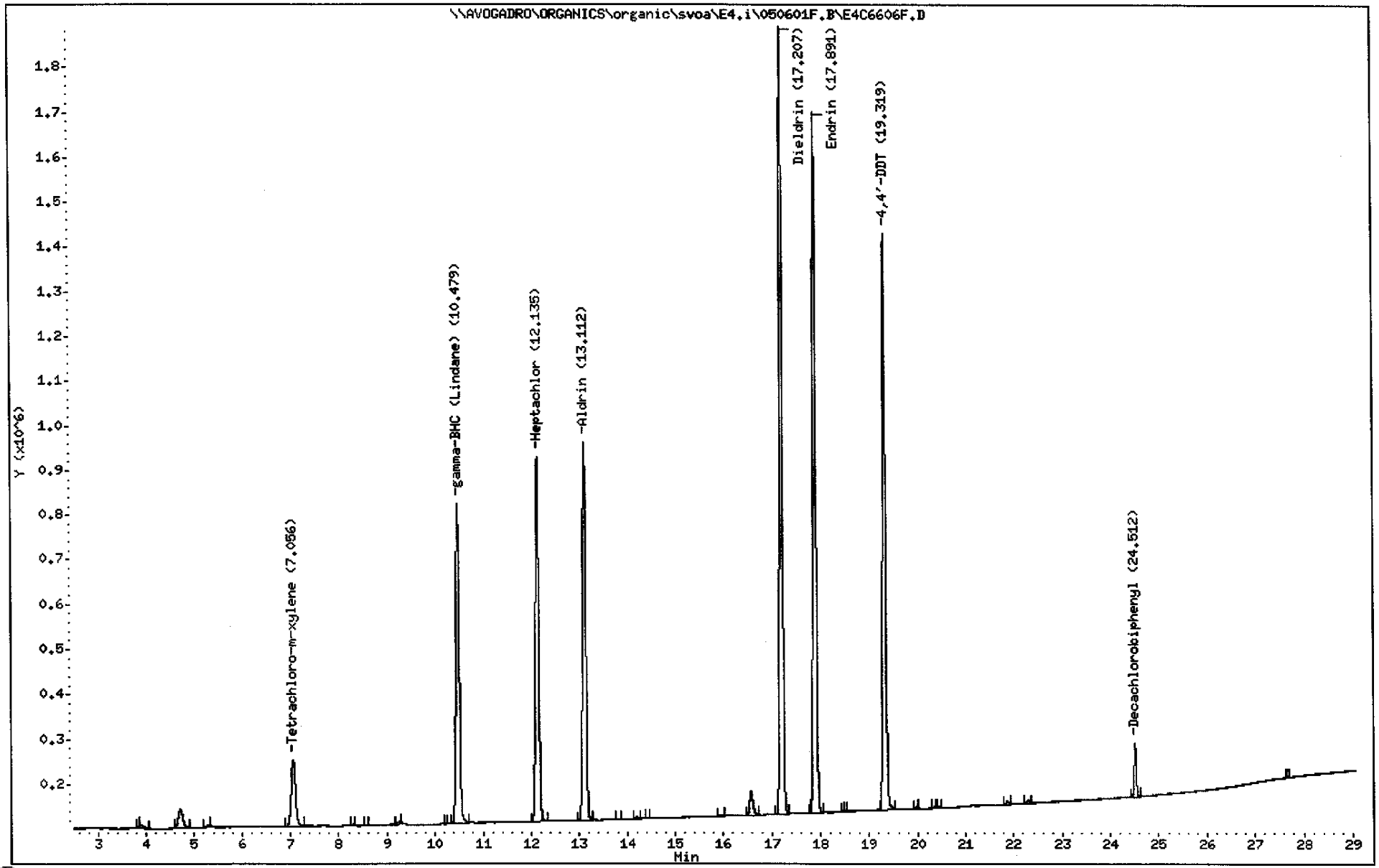
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/02/05

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

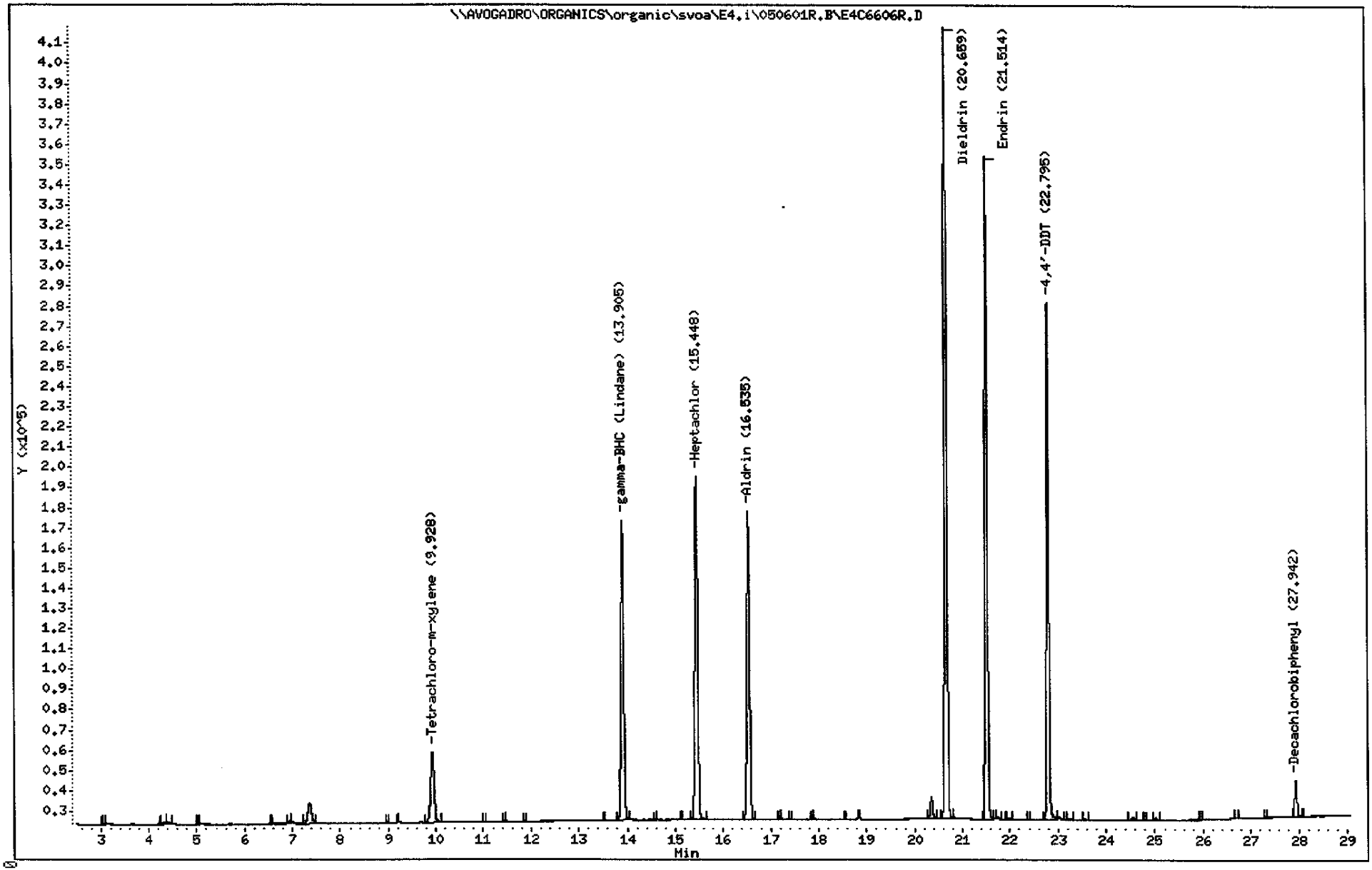
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.43	
76-44-8	Heptachlor	0.49	
309-00-2	Aldrin	0.49	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.93	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	1.0	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.93	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6606F.D
Date : 02-JUN-2005 16:28
Client ID: MW-01MSD
Instrument: E4.i
Sample Info: D0618-01BMSD,,18317,clp.sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPest
Column diameter: 0.53



1950

Data File: \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6606R.D
Date : 02-JUN-2005 16:28
Client ID: MW-01MSD
Instrument: E4.i
Sample Info: D0618-01BMSD,,18317,clp,sub,,
Volume Injected (uL): 1.0
Operator: SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



0562

Data File: E4C6606F.D
Report Date: 09-Jun-2005 10:59

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\E4C6606F.D
Lab Smp Id: D0618-01BMSD Client Smp ID: MW-01MSD
Inj Date : 02-JUN-2005 16:28
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0618-01BMSD,,18317,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601F.B\clp-1262e4f.m
Meth Date : 07-Jun-2005 11:30 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584F.D
Als bottle: 34 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.06	7.06	0.000	913484	0.01817	0.18		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
24.5	24.5	0.000	369333	0.00709	0.071		
4 gamma-BHC (Lindane)						CAS #: 58-89-9	
10.5	10.5	0.000	3386961	0.04403	0.44		
5 Heptachlor						CAS #: 76-44-8	
12.1	12.1	0.000	3764195	0.04962	0.50		

SZ 06/09/05

Data File: E4C6606F.D
Report Date: 09-Jun-2005 10:59

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
6 Aldrin					CAS #: 309-00-2		
13.1	13.1	0.000	3732296	0.04885	0.49		
14 Dieldrin					CAS #: 60-57-1		
17.2	17.2	0.000	7016719	0.09290	0.93		
15 Endrin					CAS #: 72-20-8		
17.9	17.9	0.000	6419394	0.10305	1.0		
18 4,4'-DDT					CAS #: 50-29-3		
19.3	19.3	0.000	4937332	0.09363	0.94		

Data File: E4C6606R.D
Report Date: 09-Jun-2005 11:00

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\E4C6606R.D
Lab Smp Id: D0618-01BMSD Client Smp ID: MW-01MSD
Inj Date : 02-JUN-2005 16:28
Operator : SRC: LIMS Inst ID: E4.i
Smp Info : D0618-01BMSD,,18317,clp.sub,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\E4.i\050601R.B\clp1262-e4r.m
Meth Date : 07-Jun-2005 11:28 mtl Quant Type: ESTD
Cal Date : 01-JUN-2005 23:54 Cal File: E4C6584R.D
Als bottle: 34 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
9.93	9.92	0.010	180891	0.01845	0.18		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
27.9	27.9	0.000	60986	0.00747	0.075		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
13.9	13.9	0.000	572312	0.04307	0.43		
5 Heptachlor					CAS #: 76-44-8		
15.4	15.4	0.000	681391	0.04881	0.49		

SC 06/09/05

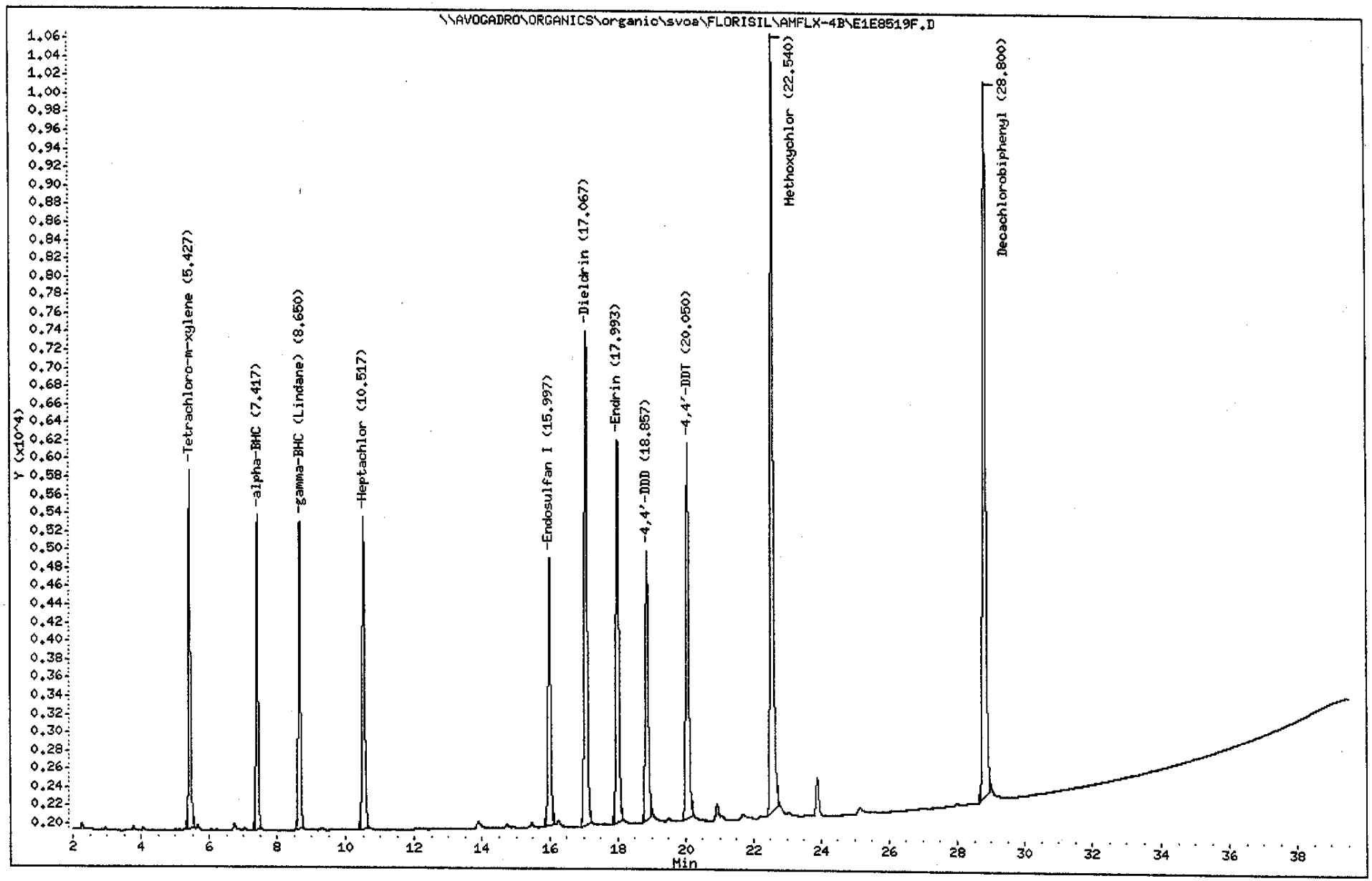
Data File: E4C6606R.D
Report Date: 09-Jun-2005 11:00

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
6 Aldrin					CAS #: 309-00-2		
16.5	16.5	0.000	593287	0.04938	0.49		
14 Dieldrin					CAS #: 60-57-1		
20.7	20.7	0.000	1305565	0.09986	1.00		
15 Endrin					CAS #: 72-20-8		
21.5	21.5	0.000	1054875	0.10991	1.1		
18 4,4'-DDT					CAS #: 50-29-3		
22.8	22.8	0.000	773068	0.09262	0.93		

Data File: \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8519F.D
Date : 05-JAN-2005 14:37
Client ID: AMFLX-4B
Sample Info: AMFLX-4B,,,,,
Volume Injected (uL): 1.0
Column phase: CLPestII

Instrument: E4.i

Operator: GML
Column diameter: 0.53



2950

Data File: E1E8519F.D
Report Date: 10-Jan-2005 16:34

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8519F.D
Lab Smp Id: AMFLX-4B Client Smp ID: AMFLX-4B
Inj Date : 05-JAN-2005 14:37
Operator : GML Inst ID: E4.i
Smp Info : AMFLX-4B,,,,,
Misc Info :
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\CLPFLO-F.m
Meth Date : 05-Jan-2005 18:10 mtl Quant Type: ESTD
Cal Date : 05-JAN-2005 13:34 Cal File: E1E8518F.D
Als bottle: 4 QC Sample: FLORISIL
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: florisil.sub
Subtraction File: \\AVOGADRO\ORGANICS
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.43	5.41	0.020	14633	0.00996	0.0100		
3 alpha-BHC					CAS #: 319-84-6		
7.42	7.40	0.020	13414	0.00874	0.0087		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
8.65	8.63	0.020	13892	0.00897	0.0090		
5 Heptachlor					CAS #: 76-44-8		
10.5	10.5	0.000	16292	0.00963	0.0096		

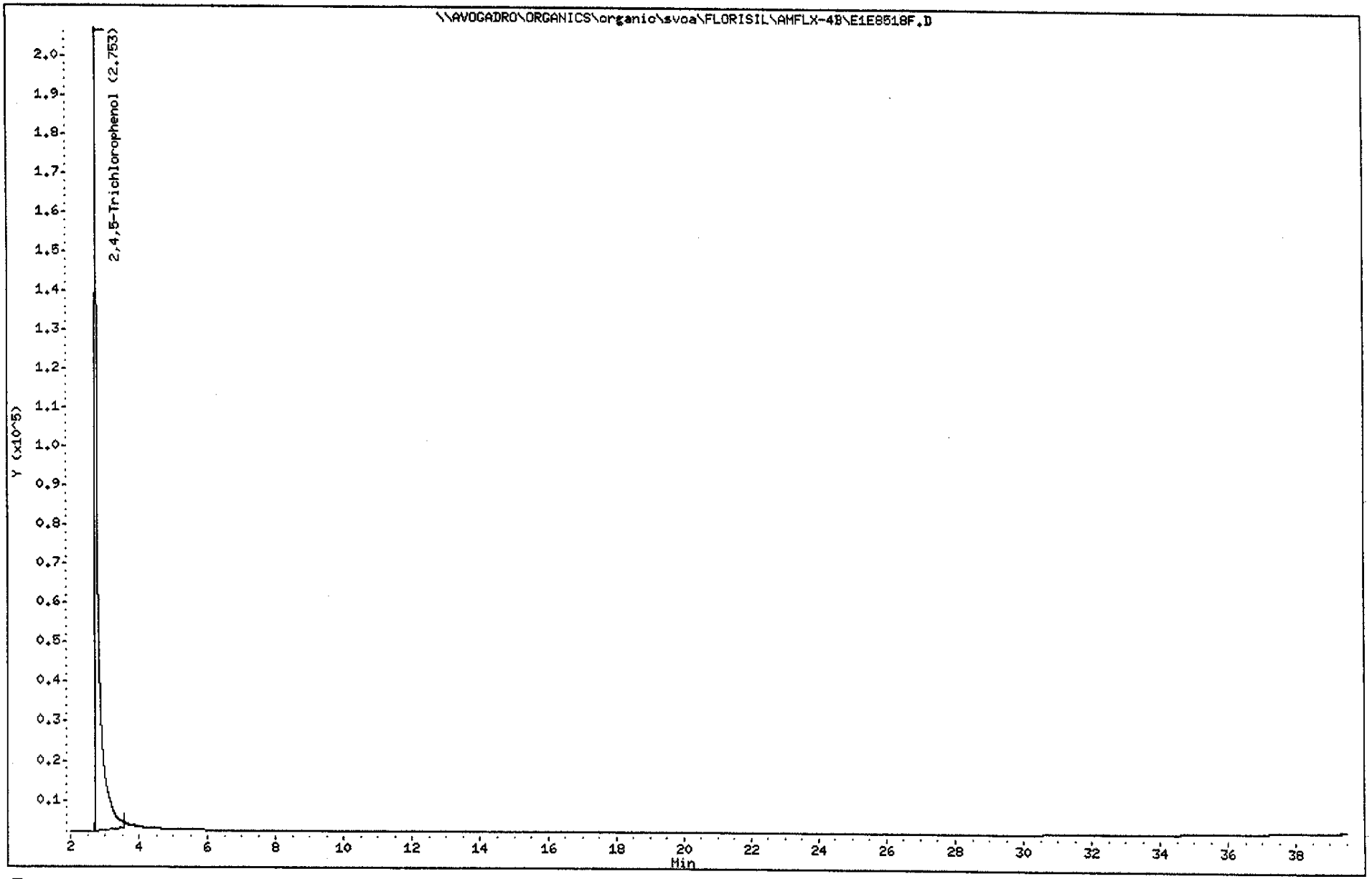
Data File: E1E8519F.D
Report Date: 10-Jan-2005 16:34

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
==	=======	========	========	=======	=======	============	=====
10 Endosulfan I						CAS #: 959-98-8	
16.0	16.0	0.000	15813	0.00986	0.0099		
14 Dieldrin						CAS #: 60-57-1	
17.1	17.1	0.000	28471	0.01864	0.019		
15 Endrin						CAS #: 72-20-8	
18.0	18.0	0.000	22886	0.01945	0.019		
16 4,4'-DDD						CAS #: 72-54-8	
18.9	18.8	0.100	16716	0.01892	0.019		
18 4,4'-DDT						CAS #: 50-29-3	
20.1	20.0	0.100	22998	0.01858	0.019		
21 Methoxychlor						CAS #: 72-43-5	
22.5	22.5	0.000	49775	0.10278	0.10		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.8	28.8	0.000	48951	0.02165	0.022		

SZ 01/10/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8518F.D
Date : 05-JAN-2005 13:34
Client ID: 4
Sample Info: 2,4,5-TCP,,,,,
Volume Injected (uL): 1.0
Column phase: CLPestII

Instrument: E4.i
Operator: GML
Column diameter: 0.53



0570

Data File: E1E8518F.D
Report Date: 10-Jan-2005 16:34

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8518F.D
Lab Smp Id: 2 Client Smp ID: 4
Inj Date : 05-JAN-2005 13:34
Operator : GML Inst ID: E4.i
Smp Info : 2,4,5-TCP,,,,,
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\CLPFLO-F.m
Meth Date : 05-Jan-2005 18:10 mtl Quant Type: ESTD
Cal Date : 05-JAN-2005 13:34 Cal File: E1E8518F.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 245TCP.sub
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

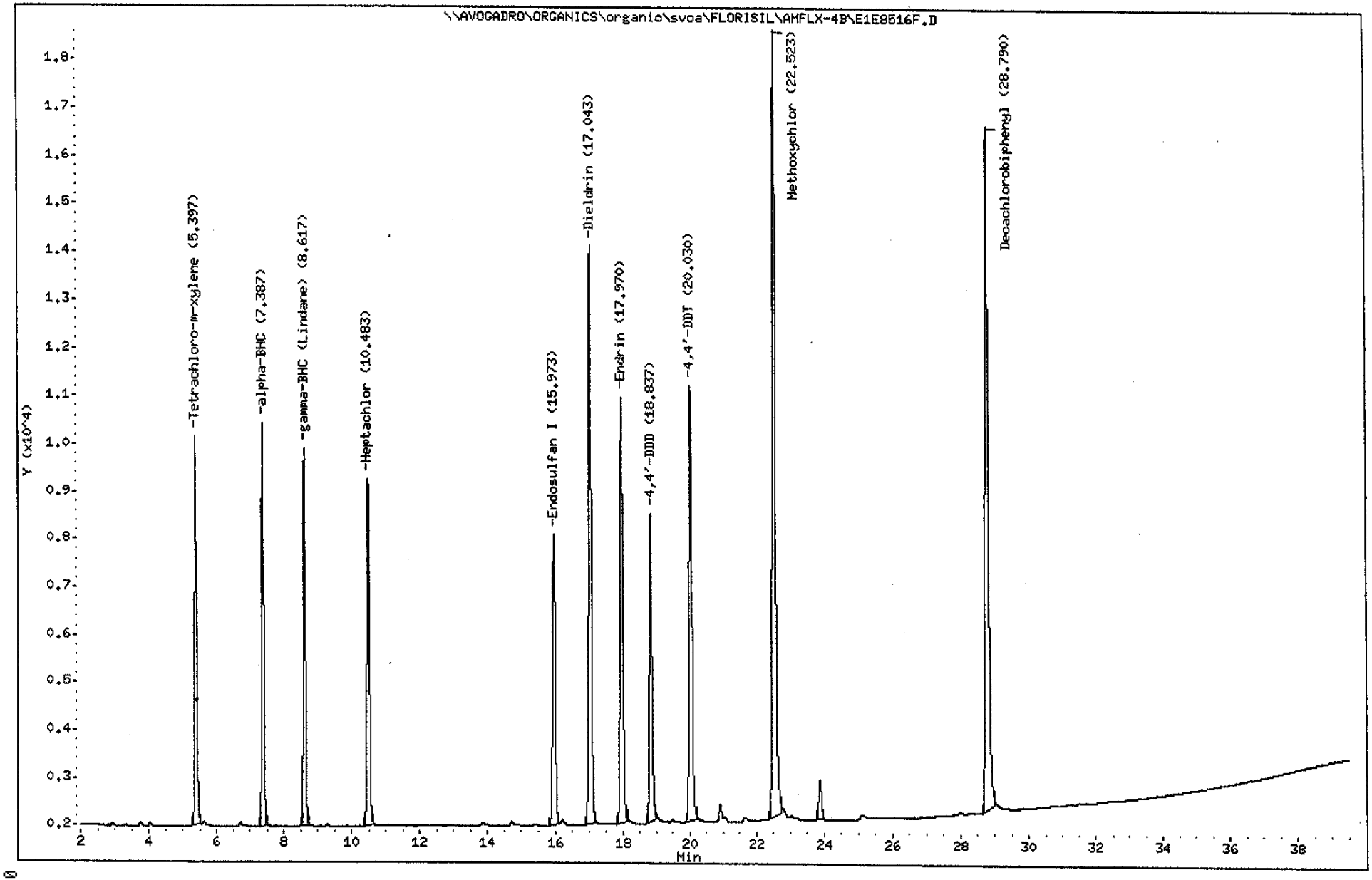
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	============	=====
32 2,4,5-Trichlorophenol					CAS #:		
2.75	2.76	-0.010	1202629	0.10000	0.10		

SZ 01/10/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8516F.D
Date : 05-JAN-2005 12:09
Client ID: INDABH
Sample Info: INDABH,INDABH,,inda.sub
Volume Injected (uL): 1.0
Column phase: CLPestII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0571

Data File: E1E8516F.D
Report Date: 10-Jan-2005 16:34

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8516F.D
Lab Smp Id: INDABH Client Smp ID: INDABH
Inj Date : 05-JAN-2005 12:09
Operator : SRC: Inst ID: E4.i
Smp Info : INDABH,INDABH,,inda.sub
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\CLPFLO-F.m
Meth Date : 05-Jan-2005 18:10 mtl Quant Type: ESTD
Cal Date : 05-JAN-2005 13:34 Cal File: E1E8518F.D
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

RT	EXP RT	DLT RT	AMOUNTS RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.40	5.41	-0.010	29385	0.02000	0.020			(a)
3 alpha-BHC						CAS #: 319-84-6		
7.39	7.40	-0.010	30713	0.02000	0.020			(a)
4 gamma-BHC (Lindane)						CAS #: 58-89-9		
8.62	8.63	-0.010	30981	0.02000	0.020			(a)
5 Heptachlor						CAS #: 76-44-8		
10.5	10.5	0.000	33832	0.02000	0.020			(a)
10 Endosulfan I						CAS #: 959-98-8		
16.0	16.0	0.000	32091	0.02000	0.020			(a)

Data File: E1E8516F.D
Report Date: 10-Jan-2005 16:34

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
==	======	========	========	=======	=======	============	=====
14 Dieldrin						CAS #: 60-57-1	
17.0	17.1	-0.100	61091	0.04000	0.040		(a)
15 Endrin						CAS #: 72-20-8	
18.0	18.0	0.000	47077	0.04000	0.040		(a)
16 4,4'-DDD						CAS #: 72-54-8	
18.8	18.8	0.000	35337	0.04000	0.040		(a)
18 4,4'-DDT						CAS #: 50-29-3	
20.0	20.0	0.000	49520	0.04000	0.040		(a)
21 Methoxychlor						CAS #: 72-43-5	
22.5	22.5	0.000	96860	0.20000	0.20		(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
28.8	28.8	0.000	90434	0.04000	0.040		(a)

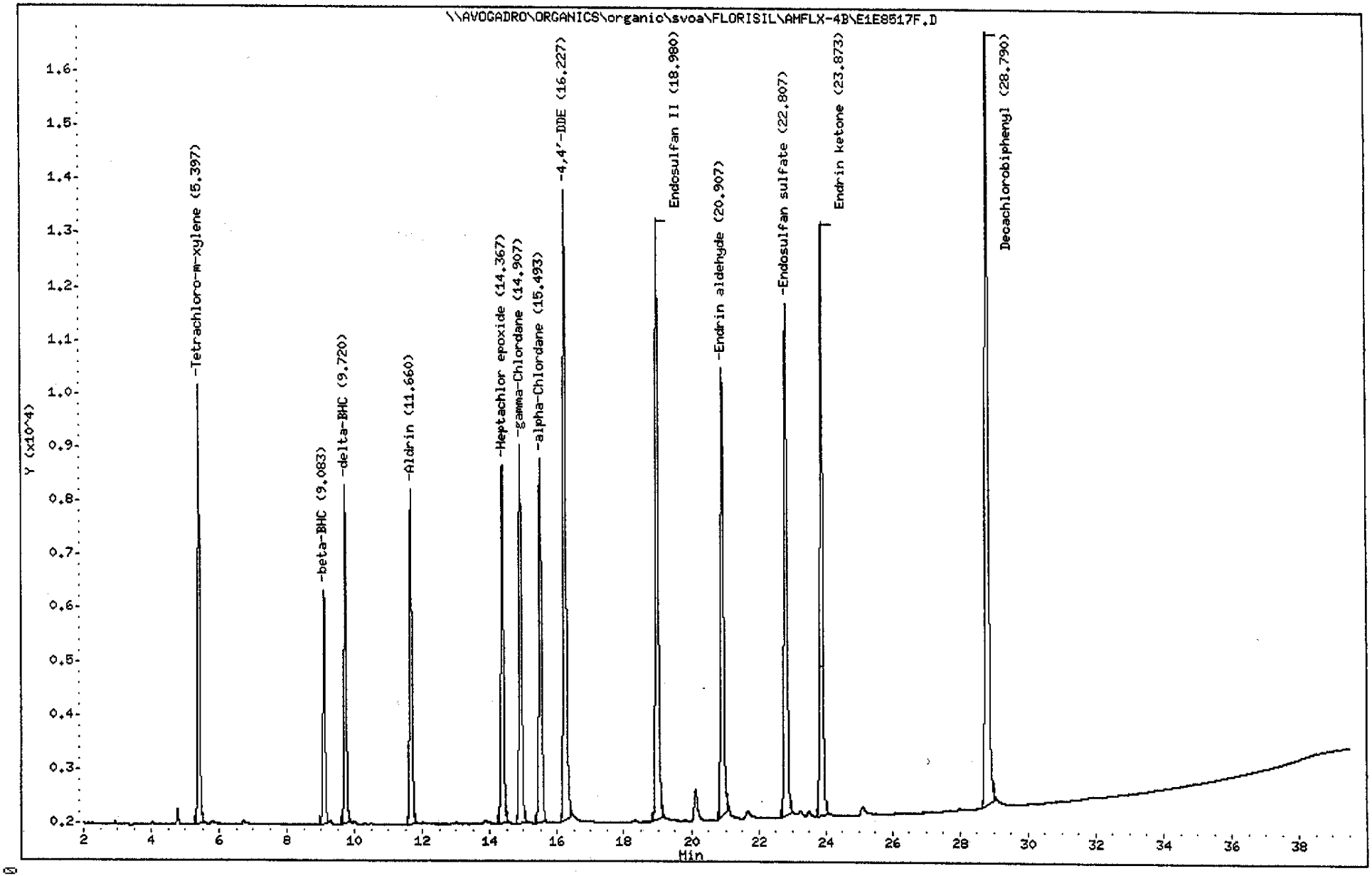
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SZ 01/10/05

Data File: \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8517F.D
Date : 05-JAN-2005 12:52
Client ID: INDBBH
Sample Info: INDBBH,INDBBH,,indb.sub
Volume Injected (uL): 1.0
Column phase: CLPestII

Instrument: E4.i
Operator: SRC:
Column diameter: 0.53



0574

Data File: E1E8517F.D
Report Date: 10-Jan-2005 16:34

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\E1E8517F.D
Lab Smp Id: INDBBH Client Smp ID: INDBBH
Inj Date : 05-JAN-2005 12:52
Operator : SRC: Inst ID: E4.i
Smp Info : INDBBH,INDBBH,,indb.sub
Misc Info : 2,,,1
Comment :
Method : \\AVOGADRO\ORGANICS\organic\svoa\FLORISIL\AMFLX-4B\CLPFLO-F.m
Meth Date : 05-Jan-2005 18:10 mtl Quant Type: ESTD
Cal Date : 05-JAN-2005 13:34 Cal File: E1E8518F.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Target Version: 4.03 Sample Matrix: WATER
Processing Host: TARGET9

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.40	5.41	-0.010	29663	0.02000	0.020		(a)
6 Aldrin					CAS #: 309-00-2		
11.7	11.7	0.000	29653	0.02000	0.020		(a)
7 beta-BHC					CAS #: 319-85-7		
9.08	9.08	0.000	18994	0.02000	0.020		(a)
8 delta-BHC					CAS #: 319-86-8		
9.72	9.72	0.000	26091	0.02000	0.020		(a)
9 Heptachlor epoxide					CAS #: 1024-57-3		
14.4	14.4	0.000	33866	0.02000	0.020		(a)

Data File: E1E8517F.D
Report Date: 10-Jan-2005 16:34

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
11 gamma-Chlordane						CAS #: 5103-74-2		
14.9	14.9	0.000	36868	0.02000	0.020			(a)
12 alpha-Chlordane						CAS #: 5103-71-9		
15.5	15.5	0.000	35259	0.02000	0.020			(a)
13 4,4'-DDE						CAS #: 72-55-9		
16.2	16.2	0.000	63244	0.04000	0.040			(a)
17 Endosulfan II						CAS #: 33213-65-9		
19.0	19.0	0.000	60845	0.04000	0.040			(a)
19 Endrin aldehyde						CAS #: 7421-93-4		
20.9	20.9	0.000	47079	0.04000	0.040			(a)
20 Endosulfan sulfate						CAS #: 1031-07-8		
22.8	22.8	0.000	52998	0.04000	0.040			(a)
22 Endrin ketone						CAS #: 53494-70-5		
23.9	23.9	0.000	59703	0.04000	0.040			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
28.8	28.8	0.000	91681	0.04000	0.041			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SZ 01/10/05

Sample Receiving Logbook

Workorder No. D0618

Client Name: Day

Date Recv'd 5/27/05 **Sample #s** 01-10 **Storage Locations:** V0A

Date Recv'd 5/27/05 **Sample #s** 01,05,06,07,08,09 **Storage Locations:** J1, M3

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

OUT		IN	
Relinquished By	**Received By**	**Relinquished By**	**Received By**
Date: 05/31/05 Init: JS	Date: 05/31/05 Init: MM	Date: 05/31/05 Init: JS	Date: Init:
Samp. #s 01, 05, 06, 07, 08, 09 B		empty empty.	
Date: 05/31/05 Init: JS	Date: 05/31/05 Init: KG	Date: 05/31/05 Init: KG	Date: 05/31/05 Init: JS
Samp. #s 01, 05, 06, 09		empty	
Date: 6/2/05 Init: KB	Date: 6/2/05 Init: BW	Date: 6/2/05 Init: BW	Date: 6/2/05 Init: KB
Samp. #s 1, 5, 6, 9		1, 5, 6, 9	
Date: 6/6/05 Init: KB	Date: 6/6/05 Init: BW	Date: 6/6/05 Init: BW	Date: 6/6/05 Init: KB
Samp. #s 1, 5, 6, 9		1, 5, 6, 9	
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			

Comments: _____

Please record analyst's initials, date, and sample #s removed. Add any comments if necessary (broken bottles, empty jars, etc.)

Logbook ID: 30.0287-04/05 **Reviewed:** SBL 6/10/05

MITKEM CORPORATION: ORGANIC PREP - CLP Pesticides/PCB

Date	Analysis	Method & SOP #	Sample Matrix	Project(s)
5/31/05	OLM PP	AQ: 3510C(SepF) 3520C(Liq/Liq) Other:_____ Soil: 3540C(Soxhlet) 3550B(Sonic)	Aqueous Soil Other:	D0618

Blank ID	LCS ID	Analyst:	Spiker:	Witness:	Solvent Lot #	Acid Lot #	Time Started: 8:00 Time Ended: 11:00	GPC Batch #	Florisil Lot #
18317	18317	MM	KG	MM	B11E23				

Lab ID	Sample ID	Wt/Vol Extracted	Surrogate Added	Matrix Spike Added	pH	KD prior to GPC Date/Analyst	Vol. pre GPC	GPC Date/Analyst	KD after GPC Date/Analyst	Vol. pre Florisil	Florisil Date/Analyst		Final Vol.	Date Ext.
MB 18317		1000 mL	OPW 050419A 1 mL							10 mL	06-01-05	KG	1 mL	06-01-05
LCS 18317				OPW 050223B 1 mL										
D0618	01B													
	01B MS			OPW 050223B 1 mL										
	01B MSD			OPW 050223B 1 mL										
	05B													
	06B			MM 5/31/05										
D0618	09B	1000 mL	OPW 050419A 1 mL							10 mL	06-01-05	KG	1 mL	06-01-05

5/31/05 MM

5/31/05 MM

Comments: _____

Sonicator Tuned? Yes (No)

Water Bath Temp

Sodium Sulfate Lot #: OHR 050602 A

Logbook ID 50.0188-09/04

Reviewed By: SBC 6/10/05

Page #: 0059

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PESTICIDES/PCB ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred by	Received by	Storage Location	Comments
06/1/05	D0001	15A	KG	SZ	R11	
06/1/05	D0001	16A	KG			
06/1/05	MB-16770		KG			
	D0001	09A				
		10A				
		11A				
		12A				
		13A				
		14A				
		15A				
06/1/05	D0001	16A	KG	SZ	R11	
06/02/05	MB-18317		KG			
	LCS-18317					
	D0618	01B				
		MS 01B				
		MSD 01B				
		05B				
		06B				
06/02/05	D0618	09B	KG			
06/02/05	MB-18337		KG			
	LCS-18337					
	LCSD-18337					
06/02/05	D0623	08B	KG			
06/02/05	MB-~~18337~~ 16768 KG		KG			
	D0001	09A				
		10A				
		11A				
		12A				
		13A				
		14A				
06/02/05	D0001	15A	KG	SZ	R11	

Logbook ID: 60.0132-10/04 Reviewed by SZ 6/10/05 Page #: 086

MITKEM CORPORATION - PEST/PCB RUN LOGBOOK: INSTRUMENT E4

Sequence: E405060 01 | Method: SOM 3X | ICAL Date: 6/01/05

Date	Sample ID		Client ID	File Name		Dilution	F	R	Comments	Analyst
6/01/05	Prime			E4C65	67-69				ICAL pass	SZ
	Rese	D1	Rese D1		70			x	PW050601A	
	PEM	D1	PEM D1		71		xV	V x	PW050525A	
	AR1660		AR1660 D1		72				PW050117A	
	AR1221		AR1221 D1		73				PW050309B	
	AR1232		AR1232 D1		74				PW050309C	
	AR1242		AR1242 D1		75				PW050309D	
	AR1248		AR1248 D1		76				PW050309E	
	AR1254		AR1254 D1		77				PW050221B	
	Toxaph		Toxaph D1		78				PW050504A	
	INDAL		INDAL D1		79				PW050510F	
	INDBL		INDBL D1		80				PW050110E	
	INDAM		INDAM D1		81		x	x	PW050510D	
	INDBM		INDBM D1		82		x	x	PW050110C	
	INDAH		INDAH D1		83				PW050510B	
6/01/05	INDBH	D1	INDBH D1		84				PW050110A	
6/02/05	PIBLK	D2	PIBLK D2		85				PW050504E	
	PEM	D2	PEM D2		86		xV	V	PW050525A	
	MB-18254		PBLK4I		87		V			
	20S-18254		PBLCS		88		-	↑	re-inject ⇒ big to V	
	D0583-01B	D1B	DL MW-11PT24DL		89	10X	V			
		D1B	MW-11PT24		90		V	+DL	x-BHC, Dieldrin need DL?	
		D1BMS	-24MS		91		V			
		D1BMSD	24MSD		92		V			
	D0583-03B		MW-11PT48		93		V			
	PIBLK	DA	PIBLK DA		94		V		5:56	
	INDAM	DA	INDAM DA		95		V	V		
6/02/05	INDBM	DA	INDBM DA	E4C65	96		V	V		SZ

Standard ID's

Comments

Reviewed by SDL 6/10/05

Logbook ID 60.0196-12/04

Page # 040

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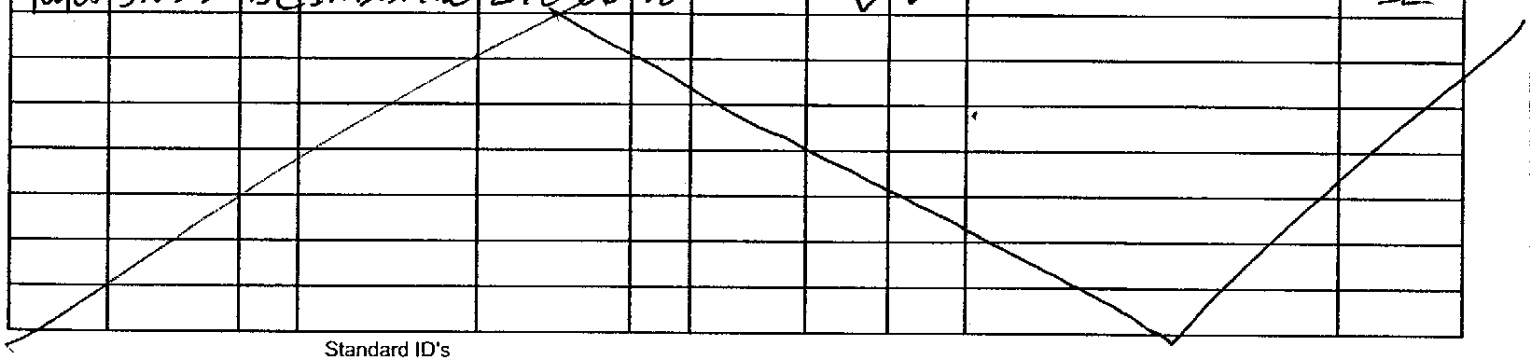
MITKEM CORPORATION - PEST/PCB RUN LOGBOOK: INSTRUMENT E4

Sequence: E4 05 0601 | Method: SOM3X | ICAL Date: 6/01/05

Date	Sample ID	Client ID	File Name		Dilution	F	R	Comments	Analyst
6/02/05	RES		E4C65	97				QC or dd.	SZ
	LCS-18284	P4I LCS	↓	98		✓			
	MB-18337	PBLK4B	E4C 65	99		✓			
	LCS-18317	P4 BLCS	E4C 66	00		✓			
	D0618-01B	MW-01		01		✓			
	-05B	-06		02		✓			
	-06B	MW-07		03		✓			
	-09B	RIN-3		04		✓			
	✓ -01BMS	MW-01MS		05		✓			
	D0618-01BMSD	MW-01MSD		06		✓			
	PIBLK DB	PIBLK DB		07		✓		17:09	
	PEM DB	PEM DB		08		+✓	✓+	PW050602A new	
	PEM DB			10		✓	✓	PW050525A old	
	MB-18337	PBLK4C		11		✓			
	LCS-18337	P4CLCS		12		✓			
	LCSD-18337	P4CLCSD		13		✓			
	D0623-08B	55FB05R6		14		✓			
	PIBLK DC			15					
	PIBLK DC	PIBLK DC		16		✓		21:54	
↓	INDAM DC	INDAM DC	↓	17		✓	✓		↓
6/02/05	INDBM DC	INDBM DC	E4C 66	18		✓	✓		SZ



Standard ID's

AM PW 050510D
BM PW 050110C

Comments

Reviewed by SBL 6/10/05

Logbook ID 60.0196-12/04

Page # 041

0581

MITKEM CORPORATION

* Total Petroleum Hydrocarbons *

MITKEM CORPORATION

Analysis Report: Fuel Identification

Client: DAY
Analysis: 310.13
Matrix: Soil
Extraction Date: 05/31/2005

Lab ID	Client ID	Result	Analysis Date:
D0618-06B	MW-07	see below	06/06/2005
D0618-07B	PW-3	see below	06/06/2005
D0618-08B	MW-7	see below	06/06/2005

Fuel Identification:

Sample D0618-06B contains resolved and unresolved peaks in the retention time range for low boiling-point petroleum product such as kerosene or jet fuel.

Sample D0618-07B contains TPH consisting of primarily a single large peak. This indicates a single chemical component, rather than a petroleum product, which is a complex mixture of a large number of chemical components. This extract could be analyzed by GC/MS to identify this large peak.

Sample D0618-08B does not contain sufficient hydrocarbons to identify a petroleum product.

Mitkem Corporation

Date: *20-Jun-05*

Client: Day Environmental, Inc.
Client Sample ID: MW-07
Lab ID: D0618-06

Project: Jamestown
Collection Date: 05/25/05 14:07

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL PETROLEUM HYDROCARBONS (TPH) BY GC-FID				**TPH_W**			
Extractable Total Petroleum Hydrocarbon	0.86		0.35	mg/L	1	06/06/2005 18:09	18319
Surr: para-Terphenyl	79.0		24.4-123	%REC	1	06/06/2005 18:09	18319

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Quantitation Report (QT Reviewed)

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1443.D Vial: 13
Acq On : 6-6-05 18:09:48 PM Operator: TT
Sample : D0618-06B Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:14 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1)	I 5a-Androstane	16.18	44890771	40.000	ug/ml
	System Monitoring Compounds				
2)	S para-Terphenyl	17.03	48101893	39.500	ug/ml
Spiked Amount	50.000	Recovery	=	79.00%	
	Target Compounds				
3)	NONANE C9	0.00	0	N.D.	ug/mld
4)	DECANE C10	0.00	0	N.D.	ug/mld
5)	DODECANE C12	0.00	0	N.D.	ug/mld
6)	TETRADECANE C14	0.00	0	N.D.	ug/mld
7)	HEXADECANE C 16	0.00	0	N.D.	ug/ml
8)	OCTADECANE C18	0.00	0	N.D.	ug/ml
9)	NONADECANE C19	0.00	0	N.D.	ug/ml
10)	EICOSANE C20	0.00	0	N.D.	ug/mld
11)	DOCOSANE C22	0.00	0	N.D.	ug/mld
12)	TETRACOSANE C24	0.00	0	N.D.	ug/mld
13)	HEXACOSANE C26	0.00	0	N.D.	ug/mld
14)	OCTACOSANE C28	0.00	0	N.D.	ug/mld
15)	TRIACONTANE C30	0.00	0	N.D.	ug/mld
16)	HEXATRIACONTANE C36	0.00	0	N.D.	ug/ml

JS 6/10/06

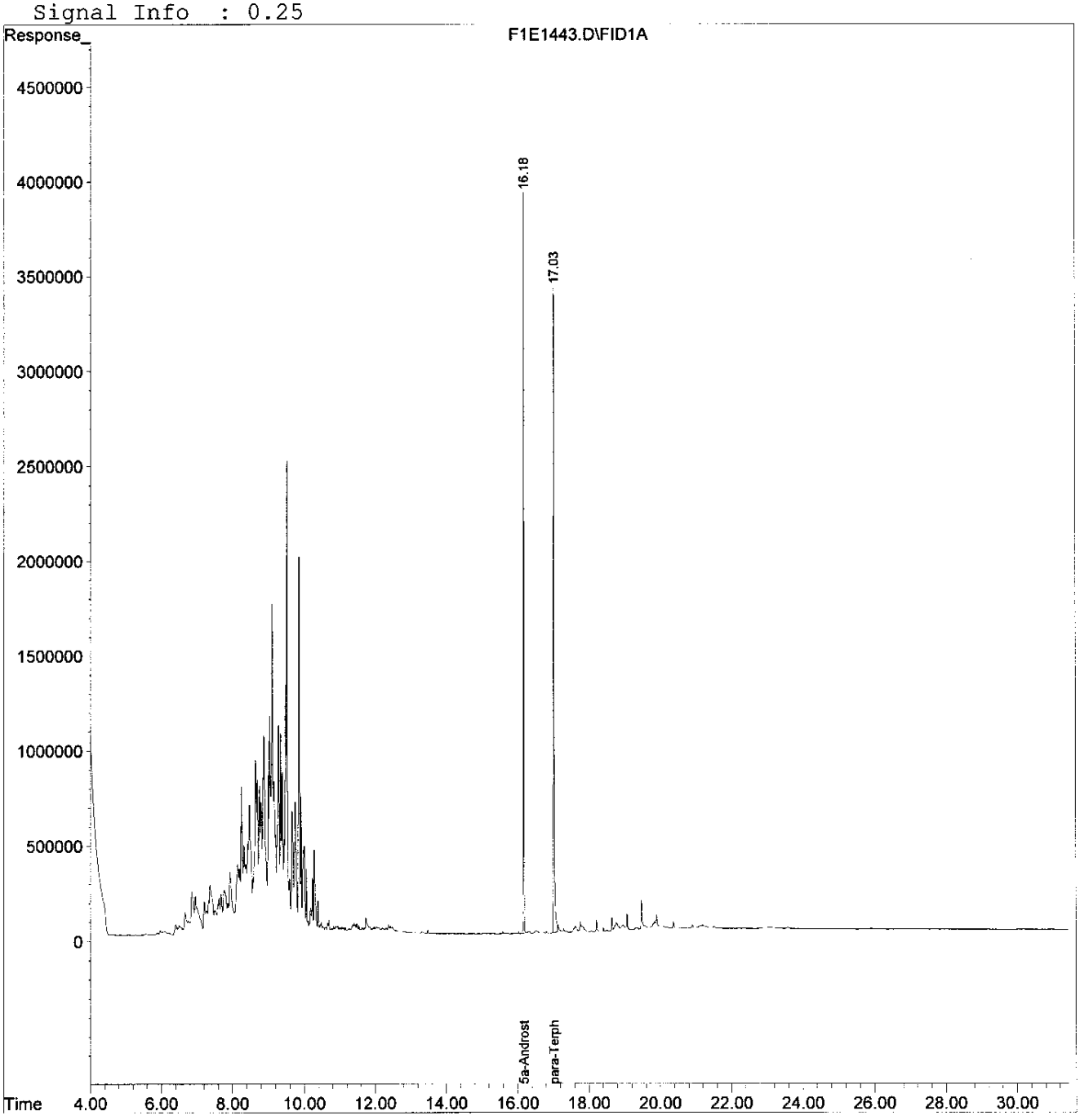
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1443.D Vial: 13
Acq On : 6-6-05 18:09:48 PM Operator: TT
Sample : D0618-06B Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:14 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Area Percent Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1443.D Vial: 13
Acq On : 6-6-05 18:09:48 PM Operator: TT
Sample : D0618-06B Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,

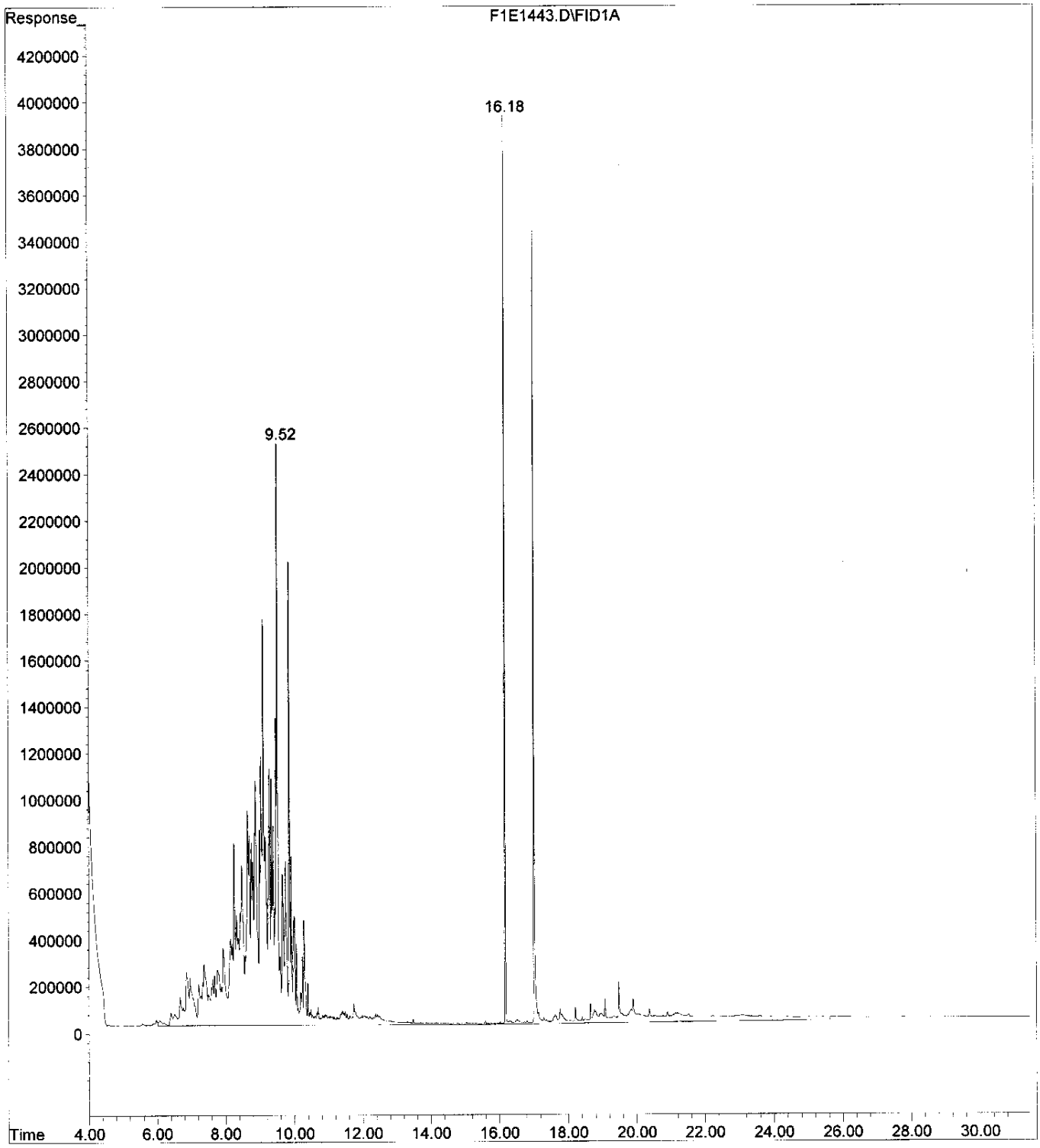
Signal : F1E1443.D\FID1A

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	9.520	6.020	15.911	M	2497487	881726067	100.00%	80.514%
2	16.180	15.940	25.631	M	3903363	213396568	24.20%	19.486%

Sum of corrected areas: 1095122634

F1E1443.D ET0209F.M Fri Jun 10 14:15:21 2005 D

File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1443.D
Operator : TT
Acquired : 6-6-05 18:09:48 PM using AcqMethod ETPH-B.M
Instrument : F1
Sample Name: D0618-06B
Misc Info :
Vial Number: 13



Mitkem Corporation

Date: *20-Jun-05*

Client: Day Environmental, Inc.
Client Sample ID: PW-3
Lab ID: D0618-07
Project: Jamestown
Collection Date: 05/25/05 14:19

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL PETROLEUM HYDROCARBONS (TPH) BY GC-FID				**TPH_W**			
Extractable Total Petroleum Hydrocarbon	1.1		0.35	mg/L	1	06/06/2005 18:48	18319
Surr: para-Terphenyl	70.5		24.4-123	%REC	1	06/06/2005 18:48	18319

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Quantitation Report (QT Reviewed)

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1445.D Vial: 14
Acq On : 6-6-05 18:48:12 PM Operator: TT
Sample : D0618-07B Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:22 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1)	I 5a-Androstane	16.19	72426151	40.000	ug/mlm
	System Monitoring Compounds				
2)	S para-Terphenyl	17.03	69256981	35.250	ug/ml
Spiked Amount 50.000			Recovery =	70.50%	
	Target Compounds				
3)	NONANE C9	0.00	0	N.D.	ug/mld
4)	DECANE C10	0.00	0	N.D.	ug/mld
5)	DODECANE C12	0.00	0	N.D.	ug/mld
6)	TETRADECANE C14	0.00	0	N.D.	ug/mld
7)	HEXADECANE C 16	0.00	0	N.D.	ug/mld
8)	OCTADECANE C18	0.00	0	N.D.	ug/mld
9)	NONADECANE C19	0.00	0	N.D.	ug/mld
10)	EICOSANE C20	0.00	0	N.D.	ug/mld
11)	DOCOSANE C22	0.00	0	N.D.	ug/mld
12)	TETRACOSANE C24	0.00	0	N.D.	ug/mld
13)	HEXACOSANE C26	0.00	0	N.D.	ug/mld
14)	OCTACOSANE C28	0.00	0	N.D.	ug/mld
15)	TRIACONTANE C30	0.00	0	N.D.	ug/mld
16)	HEXATRIACONTANE C36	0.00	0	N.D.	ug/mld

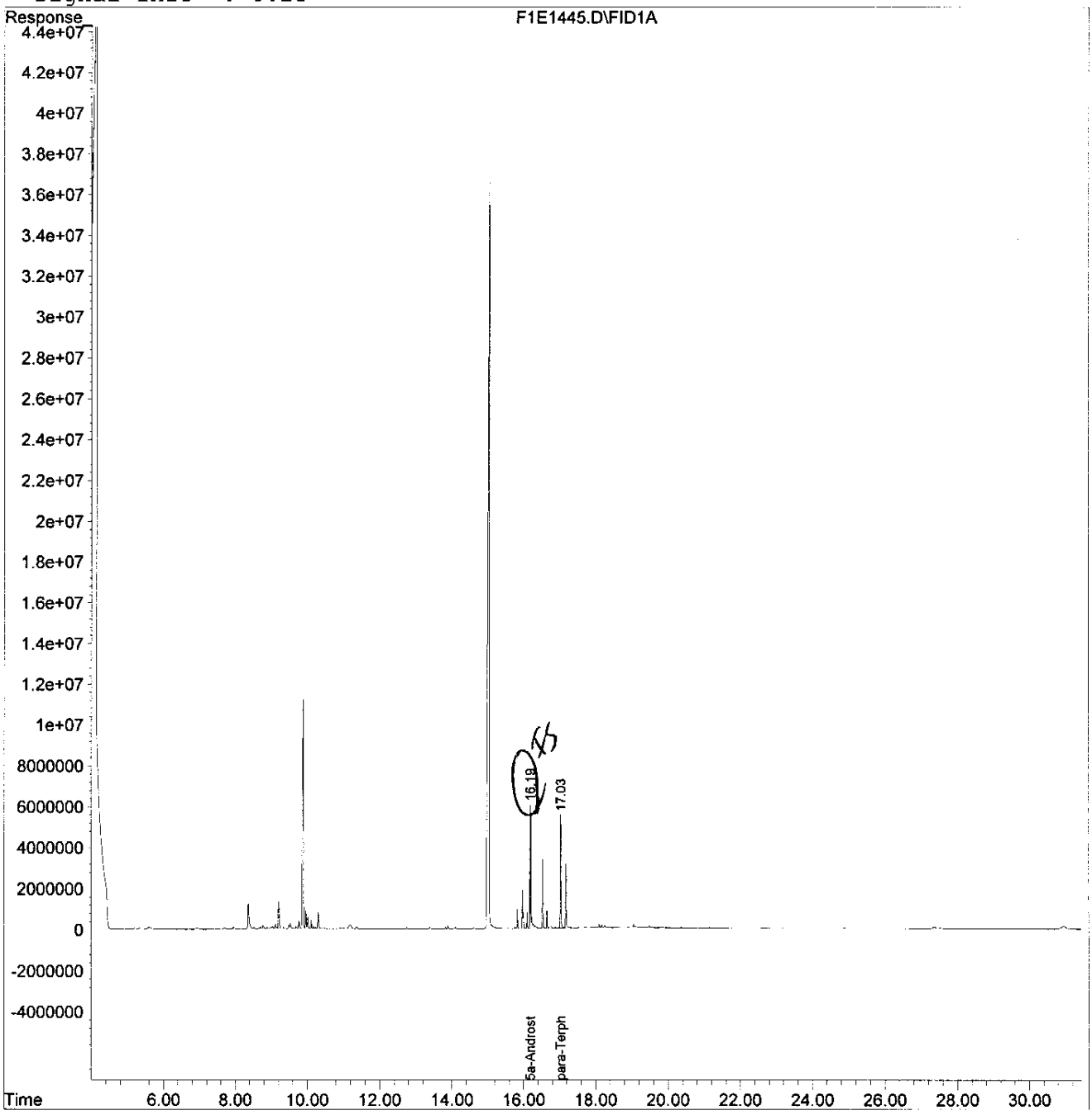
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1445.D Vial: 14
Acq On : 6-6-05 18:48:12 PM Operator: TT
Sample : D0618-07B Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:22 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

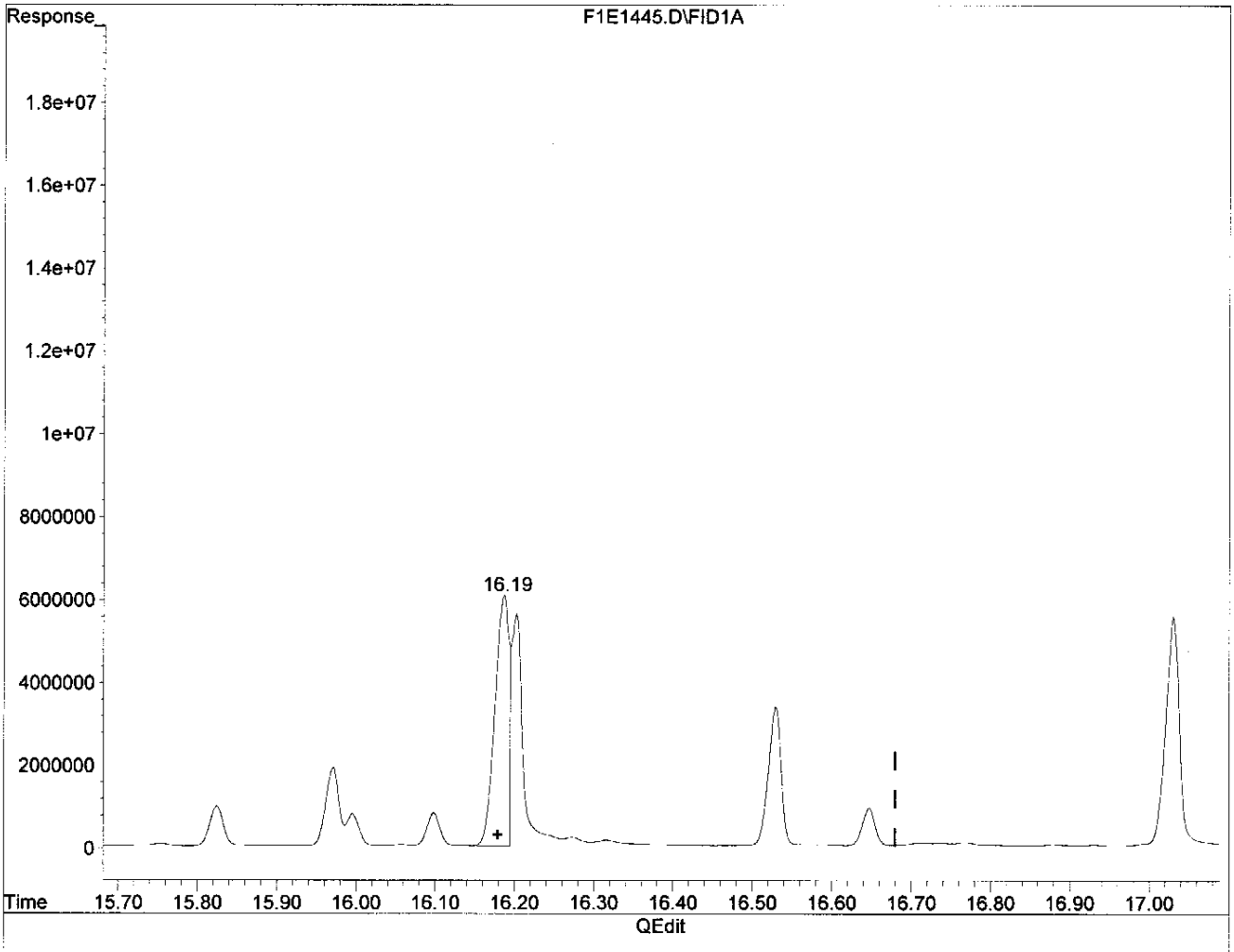
Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1445.D Vial: 14
Acq On : 6-6-05 18:48:12 PM Operator: TT
Sample : D0618-07B Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:15 19105 Quant Results File: ET0209F.RES

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration



(1) 5a-Androstane (I)

16.19min 40.000ug/ml m

response 72426151

TS 6/10/5

(+) = Expected Retention Time

F1E1445.D ET0209F.M Fri Jun 10 14:21:59 2005 D

Area Percent Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1445.D Vial: 14
Acq On : 6-6-05 18:48:12 PM Operator: TT
Sample : D0618-07B Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,

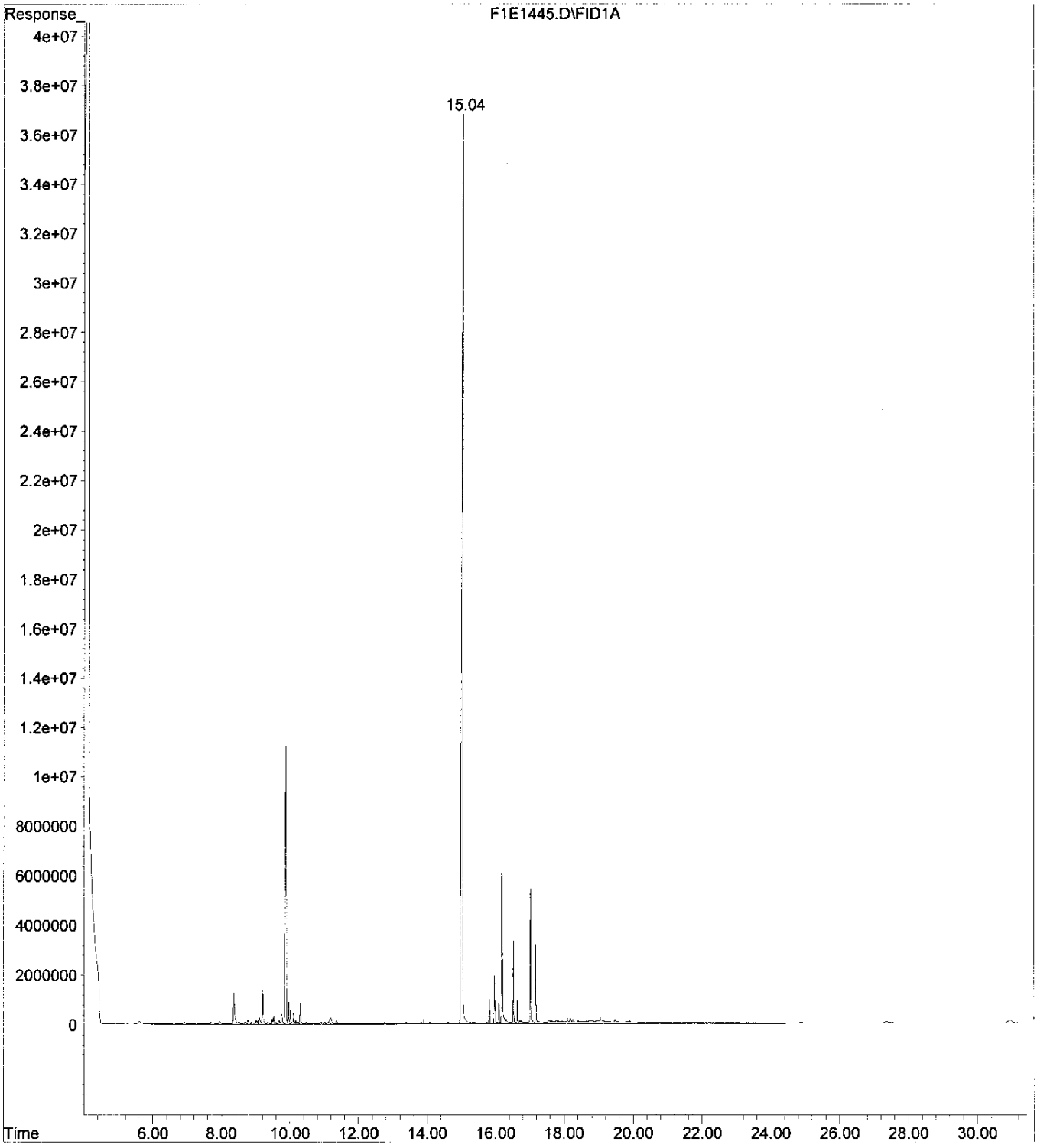
Signal : F1E1445.D\FID1A

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	15.041	6.047	25.492	M	36829098	2176851327	100.00%	100.000%

Sum of corrected areas: 2176851327

F1E1445.D ET0209F.M Fri Jun 10 14:23:15 2005 D

File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1445.D
Operator : TT
Acquired : 6-6-05 18:48:12 PM using AcqMethod ETPH-B.M
Instrument : F1
Sample Name: D0618-07B
Misc Info :
Vial Number: 14



Mitkem Corporation

Date: *20-Jun-05*

Client: Day Environmental, Inc.
Client Sample ID: MW-7
Lab ID: D0618-08
Project: Jamestown
Collection Date: 05/25/05 14:29

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL PETROLEUM HYDROCARBONS (TPH) BY GC-FID				**TPH_W**			
Extractable Total Petroleum Hydrocarbon	ND		0.35	mg/L	1	06/06/2005 19:26	18319
Surr: para-Terphenyl	91.9		24.4-123	%REC	1	06/06/2005 19:26	18319

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Quantitation Report (QT Reviewed)

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1447.D Vial: 15
Acq On : 6-6-05 19:26:18 PM Operator: TT
Sample : D0618-08B Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:52 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1)	I 5a-Androstane	16.18	48552434	40.000	ug/ml
	System Monitoring Compounds				
2)	S para-Terphenyl	17.03	60527074	45.955	ug/ml
Spiked Amount	50.000	Recovery	=	91.91%	
	Target Compounds				
3)	NONANE C9	0.00	0	N.D.	ug/ml
4)	DECANE C10	0.00	0	N.D.	ug/ml
5)	DODECANE C12	0.00	0	N.D.	ug/mld
6)	TETRADECANE C14	0.00	0	N.D.	ug/ml
7)	HEXADECANE C 16	0.00	0	N.D.	ug/ml
8)	OCTADECANE C18	0.00	0	N.D.	ug/ml
9)	NONADECANE C19	0.00	0	N.D.	ug/ml
10)	EICOSANE C20	0.00	0	N.D.	ug/mld
11)	DOCOSANE C22	0.00	0	N.D.	ug/mld
12)	TETRACOSANE C24	0.00	0	N.D.	ug/mld
13)	HEXACOSANE C26	0.00	0	N.D.	ug/mld
14)	OCTACOSANE C28	0.00	0	N.D.	ug/mld
15)	TRIACONTANE C30	0.00	0	N.D.	ug/mld
16)	HEXATRIACONTANE C36	0.00	0	N.D.	ug/ml

TS 6/10/(

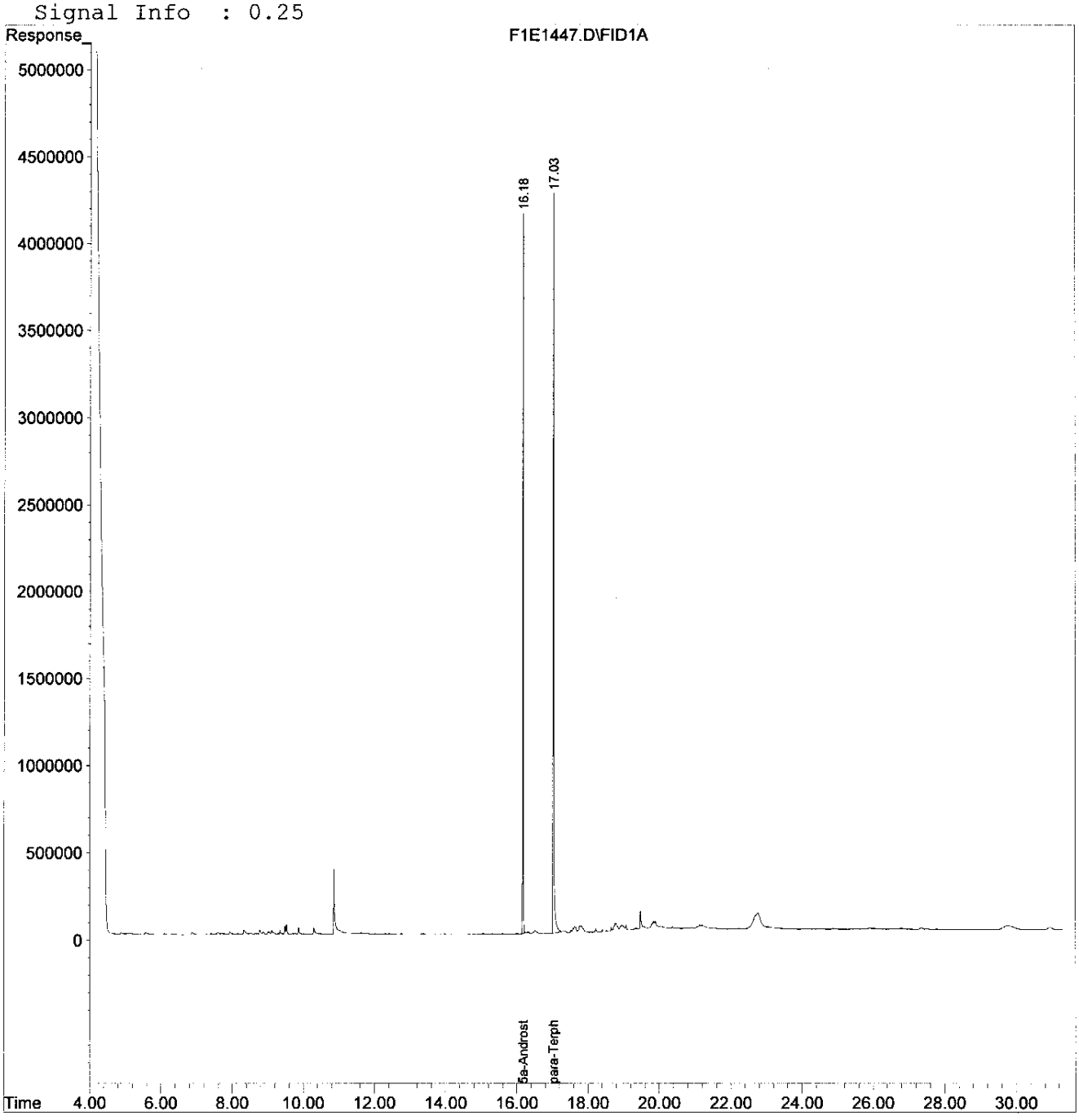
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1447.D Vial: 15
Acq On : 6-6-05 19:26:18 PM Operator: TT
Sample : D0618-08B Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:52 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Area Percent Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1447.D Vial: 15
Acq On : 6-6-05 19:26:18 PM Operator: TT
Sample : D0618-08B Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,

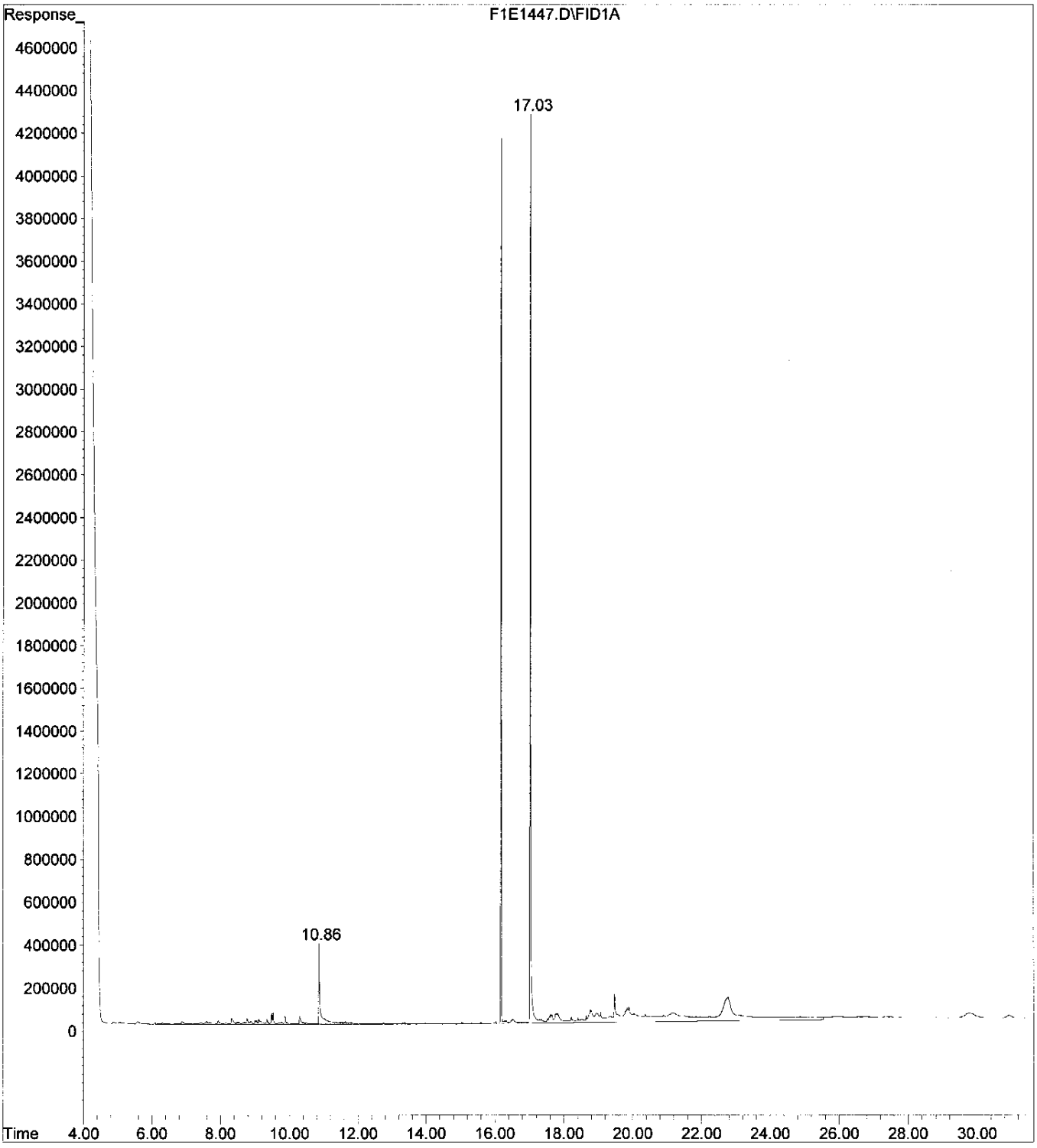
Signal : F1E1447.D\FID1A

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	10.865	6.102	14.717	M	376937	34331391	14.47%	12.644%
2	17.027	14.745	25.548	M	4253115	237182615	100.00%	87.356%

Sum of corrected areas: 271514005

F1E1447.D ET0209F.M Fri Jun 10 14:19:16 2005 D

File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1447.D
Operator : TT
Acquired : 6-6-05 19:26:18 PM using AcqMethod ETPH-B.M
Instrument : F1
Sample Name: D0618-08B
Misc Info :
Vial Number: 15



FRONT COLUMN **Response Factors ETPH --- 02/09/05**

	Level 1A	Level 1	Level 2	Level 3	Level 4	Level 5
Conc. (ug/ml)	2.5	25	50	100	200	400
5α -Androstane	41,631,943	41,182,066	40,458,488	39,790,653	40,715,035	40,366,679
para-Terphenyl	2,845,145	26,759,907	52,552,838	114,800,604	224,099,212	437,321,177
Nonane C9	3,210,367	25,365,229	49,005,064	102,712,624	197,929,246	383,764,192
Decane C10	3,141,618	25,250,666	48,816,617	102,530,202	198,133,186	384,777,205
Dodecane C12	2,949,485	24,647,323	48,098,028	101,867,434	198,140,624	386,524,869
Tetradecane C14	2,821,514	24,812,506	48,529,205	102,496,833	199,115,126	387,916,136
Hexadecane C16	2,966,067	25,483,942	49,659,585	104,657,934	203,222,679	395,850,402
Octadecane C18	3,052,323	25,705,733	50,004,574	105,286,022	204,423,195	397,646,118
Nonadecane C19	3,082,330	25,989,628	50,479,415	106,077,351	205,976,756	400,419,680
Eicosane C20	3,156,746	26,261,776	51,003,334	107,155,085	207,989,071	404,477,973
Docosane C22	3,191,238	26,312,587	51,061,126	107,023,008	207,726,711	403,685,034
Tetracosane C24	3,138,493	26,255,421	51,073,413	107,332,243	208,556,870	405,236,280
Hexacosane C26	3,114,817	26,322,792	51,300,482	107,806,932	209,490,672	407,107,131
Octacosane C28	3,076,613	26,126,130	51,013,525	107,374,884	209,017,778	406,604,686
Triacontane C30	2,991,603	25,880,534	50,661,998	106,864,784	208,549,850	406,204,364
Hexatriacontane C36	2,817,198	24,275,238	48,429,383	103,610,708	203,708,937	398,305,575
RRF of C9-C36	1.1725	0.9954	0.9874	1.0575	1.0042	0.9853
Mean= 1.0337		Std. Dev= 0.0730		RSD(%)= 7.0608		
RRF of C10-C28	1.1771	1.0001	0.9905	1.0597	1.0056	0.9865
Mean= 1.0366		Std. Dev= 0.0738		RSD(%)= 7.1160		

Response Factor Report F1

Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:38:46 2005

Calibration Files
L1A =F1D8893.D L1 =F1D8895.D L2 =F1D8897.D
L3 =F1D8899.D L4 =F1D8901.D L5 =F1D8903.D

		Compound	L1A	L1	L2	L3	L4	L5	Avg		%RSD
1)	I	5a-Androstane	ISTD								
2)	S	para-Terphenyl	1.093	1.040	1.039	1.154	1.101	1.083	1.085	0	3.96
3)		NONANE C9	1.234	0.985	0.969	1.033	0.972	0.951	1.024	0	10.40
4)		DECANE C10	1.207	0.981	0.965	1.031	0.973	0.953	1.018	0	9.46
5)		DODECANE C12	1.134	0.958	0.951	1.024	0.973	0.958	1.000	0	7.09
6)		TETRADECANE C14	1.084	0.964	0.960	1.030	0.978	0.961	0.996	0	5.10
7)		HEXADECANE C 16	1.140	0.990	0.982	1.052	0.998	0.981	1.024	0	6.13
8)		OCTADECANE C18	1.173	0.999	0.989	1.058	1.004	0.985	1.035	0	7.04
9)		NONADECANE C19	1.185	1.010	0.998	1.066	1.012	0.992	1.044	0	7.08
10)		EICOSANE C20	1.213	1.020	1.009	1.077	1.022	1.002	1.057	0	7.66
11)		DOCOSANE C22	1.226	1.022	1.010	1.076	1.020	1.000	1.059	0	8.13
12)		TETRACOSANE C24	1.206	1.020	1.010	1.079	1.024	1.004	1.057	0	7.35
13)		HEXACOSANE C26	1.197	1.023	1.014	1.084	1.029	1.009	1.059	0	6.86
14)		OCTACOSANE C28	1.182	1.015	1.009	1.079	1.027	1.007	1.053	0	6.53
15)		TRIACONTANE C30	1.150	1.006	1.002	1.074	1.024	1.006	1.044	0	5.61
16)		HEXATRIACONTANE C36	1.083	0.943	0.958	1.042	1.001	0.987	1.002	0	5.23

(#) = Out of Range

ET0209F.M Wed Feb 09 10:40:03 2005 HPDOS9

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8893.D Vial: 1
Acq On : 2-8-05 14:37:29 PM Operator: TT
Sample : ETPH L1A Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:34 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I 5a-Androstane	16.26	41631943	40.000	ng	
	System Monitoring Compounds					
2)	S para-Terphenyl	17.09	2845145	2.631	ng	
Spiked Amount	50.000		Recovery =	5.26%		
	Target Compounds					
3)	NONANE C9	6.34	3210367	3.183	ng	m
4)	DECANE C10	8.06	3141618	3.127	ng	
5)	DODECANE C12	10.31	2949485	2.980	ng	
6)	TETRADECANE C14	11.99	2821514	2.825	ng	
7)	HEXADECANE C 16	13.42	2966067	2.902	ng	
8)	OCTADECANE C18	14.69	3052323	2.966	ng	
9)	NONADECANE C19	15.28	3082330	2.967	ng	
10)	EICOSANE C20	15.84	3156746	3.007	ng	2/9/5
11)	DOCOSANE C22	16.88	3191238	3.037	ng	
12)	TETRACOSANE C24	17.85	3138493	2.986	ng	
13)	HEXACOSANE C26	18.73	3114817	2.950	ng	
14)	OCTACOSANE C28	19.56	3076613	2.930	ng	
15)	TRIACONTANE C30	20.49	2991603	2.869	ng	
16)	HEXATRIACONTANE C36	25.57	2817198	2.827	ng	m

2/9/5

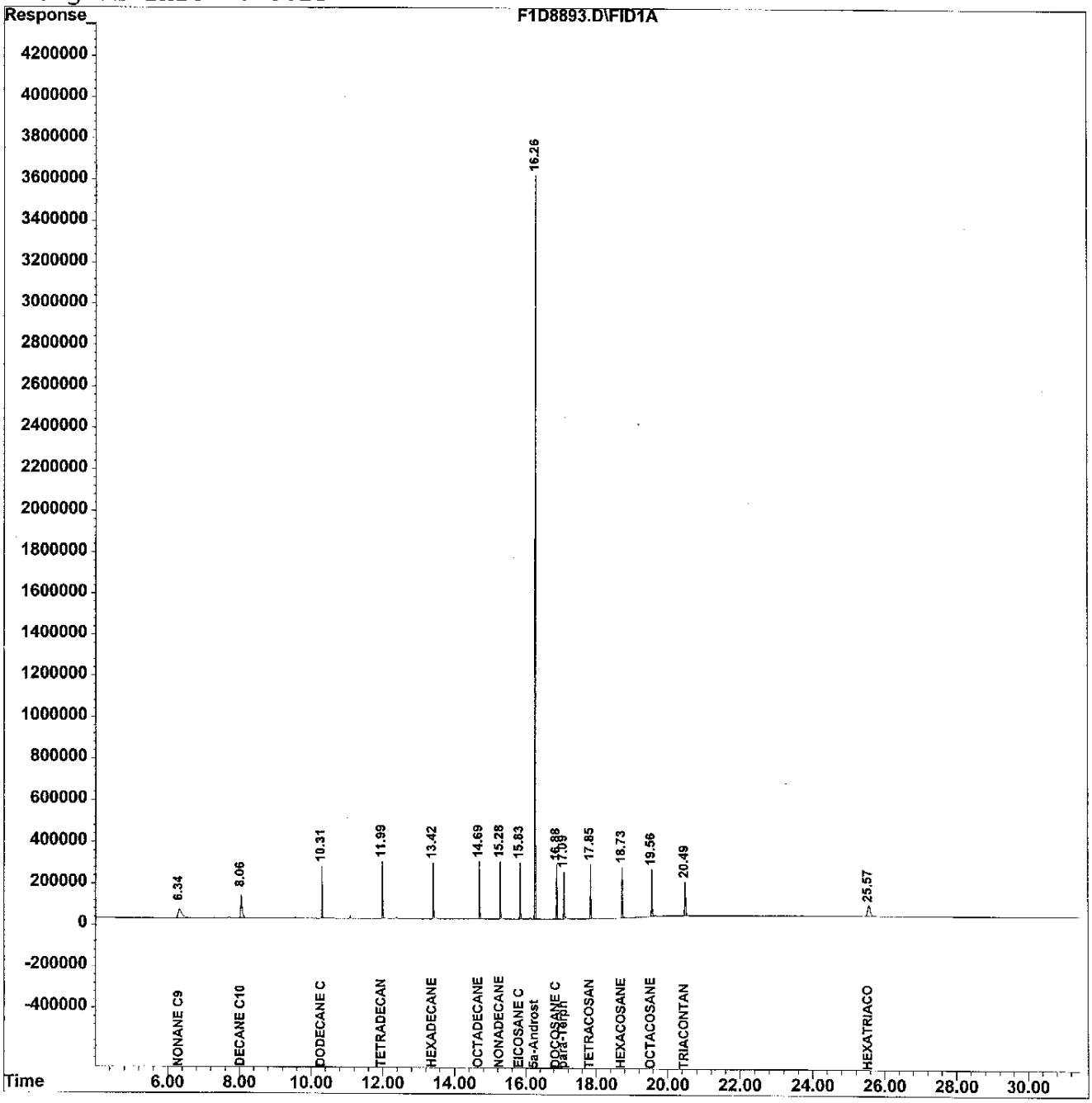
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8893.D Vial: 1
Acq On : 2-8-05 14:37:29 PM Operator: TT
Sample : ETPH L1A Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:34 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8895.D Vial: 2
Acq On : 2-8-05 15:15:45 PM Operator: TT
Sample : ETPH L1 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:35 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc Units
	Internal Standards			
1) I	5a-Androstane	16.26	41182066	40.000 ng
	System Monitoring Compounds			
2) S	para-Terphenyl	17.09	26759907	25.013 ng
Spiked Amount	50.000	Recovery	=	50.03%
	Target Compounds			
3)	NONANE C9	6.33	25365229	25.425 ng
4)	DECANE C10	8.06	25250666	25.407 ng
5)	DODECANE C12	10.31	24647323	25.172 ng
6)	TETRADECANE C14	11.99	24812506	25.115 ng
7)	HEXADECANE C 16	13.42	25483942	25.208 ng
8)	OCTADECANE C18	14.69	25705733	25.252 ng
9)	NONADECANE C19	15.28	25989628	25.290 ng
10)	EICOSANE C20	15.84	26261776	25.293 ng
11)	DOCOSANE C22	16.88	26312587	25.313 ng
12)	TETRACOSANE C24	17.85	26255421	25.252 ng
13)	HEXACOSANE C26	18.74	26322792	25.205 ng
14)	OCTACOSANE C28	19.56	26126130	25.157 ng
15)	TRIACONTANE C30	20.49	25880534	25.094 ng
16)	HEXATRIACONTANE C36	25.58	24275238	24.622 ng

2/9/5

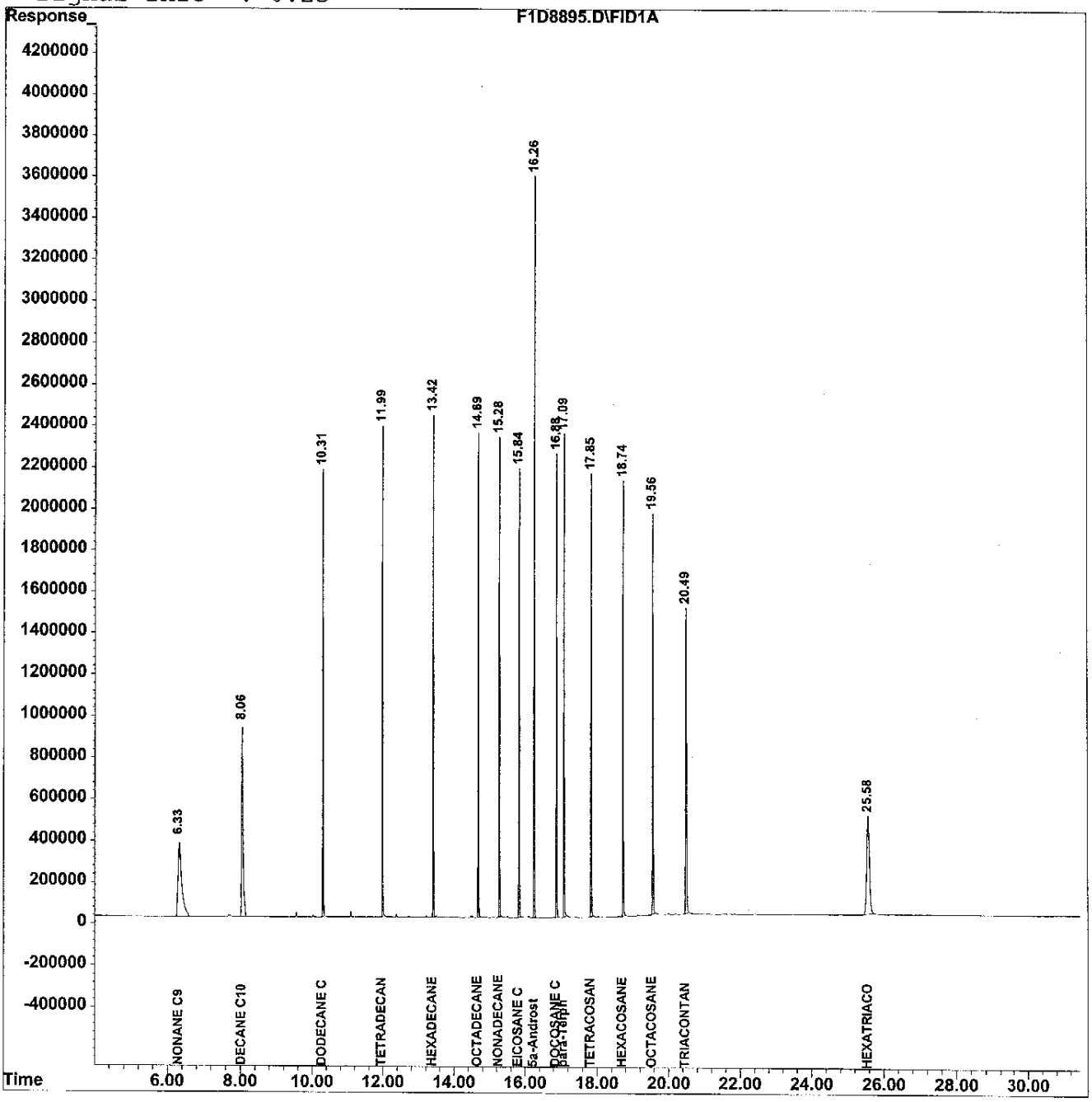
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8895.D Vial: 2
Acq On : 2-8-05 15:15:45 PM Operator: TT
Sample : ETPH L1 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:35 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8897.D Vial: 3
Acq On : 2-8-05 15:53:55 PM Operator: TT
Sample : ETPH L2 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:54 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:53:34 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc Units
	Internal Standards			
1) I	5a-Androstane	16.26	40458488	40.000 ng
	System Monitoring Compounds			
2) S	para-Terphenyl	17.09	52552838	50.000 ng
Spiked Amount	50.000		Recovery =	100.00%
	Target Compounds			
3)	NONANE C9	6.33	49005064	50.000 ng
4)	DECANE C10	8.06	48818617	50.000 ng
5)	DODECANE C12	10.32	48098028	50.000 ng
6)	TETRADECANE C14	11.99	48529205	50.000 ng
7)	HEXADECANE C 16	13.42	49659585	50.000 ng
8)	OCTADECANE C18	14.69	50004574	50.000 ng
9)	NONADECANE C19	15.28	50479415	50.000 ng
10)	EICOSANE C20	15.84	51003334	50.000 ng
11)	DOCOSANE C22	16.89	51061126	50.000 ng
12)	TETRACOSANE C24	17.85	51073413	50.000 ng
13)	HEXACOSANE C26	18.74	51300482	50.000 ng
14)	OCTACOSANE C28	19.57	51013525	50.000 ng
15)	TRIACONTANE C30	20.49	50661998	50.000 ng
16)	HEXATRIACONTANE C36	25.58	48429383	50.000 ng

2/9/5

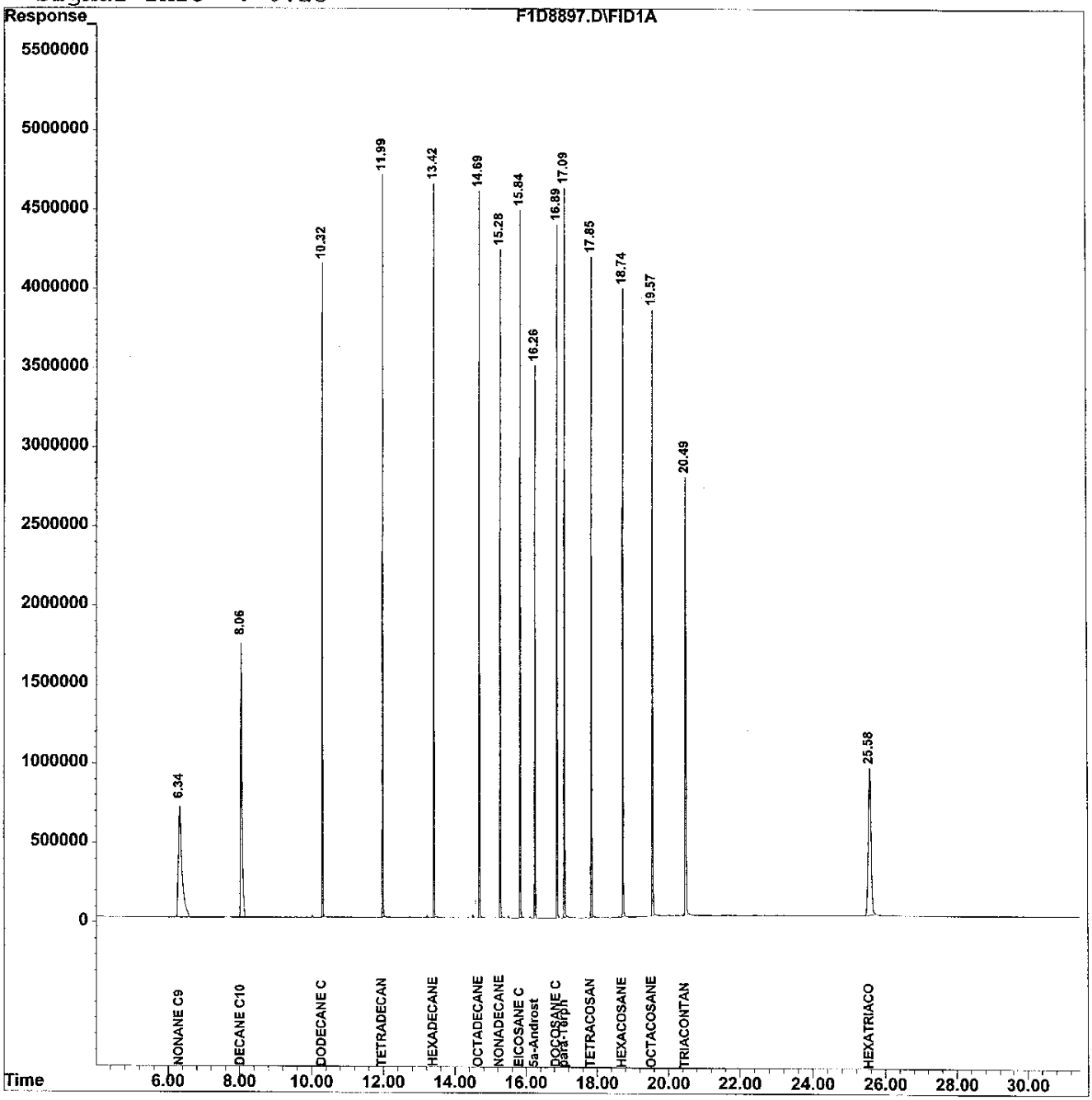
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8897.D Vial: 3
Acq On : 2-8-05 15:53:55 PM Operator: TT
Sample : ETPH L2 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:54 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:53:34 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8899.D Vial: 4
Acq On : 2-8-05 16:32:12 PM Operator: TT
Sample : ETPH L3 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:36 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc Units
	Internal Standards			
1) I	5a-Androstane	16.26	39790653	40.000 ng
	System Monitoring Compounds			
2) S	para-Terphenyl	17.10	114800604	111.057 ng
Spiked Amount	50.000		Recovery =	222.11%
	Target Compounds			
3)	NONANE C9	6.34	102712624	106.557 ng
4)	DECANE C10	8.06	102530202	106.774 ng
5)	DODECANE C12	10.32	101867434	107.673 ng
6)	TETRADECANE C14	12.00	102496833	107.376 ng
7)	HEXADECANE C 16	13.43	104657934	107.144 ng
8)	OCTADECANE C18	14.70	105286022	107.043 ng
9)	NONADECANE C19	15.29	106077351	106.833 ng
10)	EICOSANE C20	15.85	107155085	106.810 ng
11)	DOCOSANE C22	16.90	107023008	106.558 ng
12)	TETRACOSANE C24	17.86	107332243	106.840 ng
13)	HEXACOSANE C26	18.75	107806932	106.838 ng
14)	OCTACOSANE C28	19.57	107374884	107.008 ng
15)	TRIACONTANE C30	20.50	106864784	107.239 ng
16)	HEXATRIACONTANE C36	25.62	103610708	108.766 ng

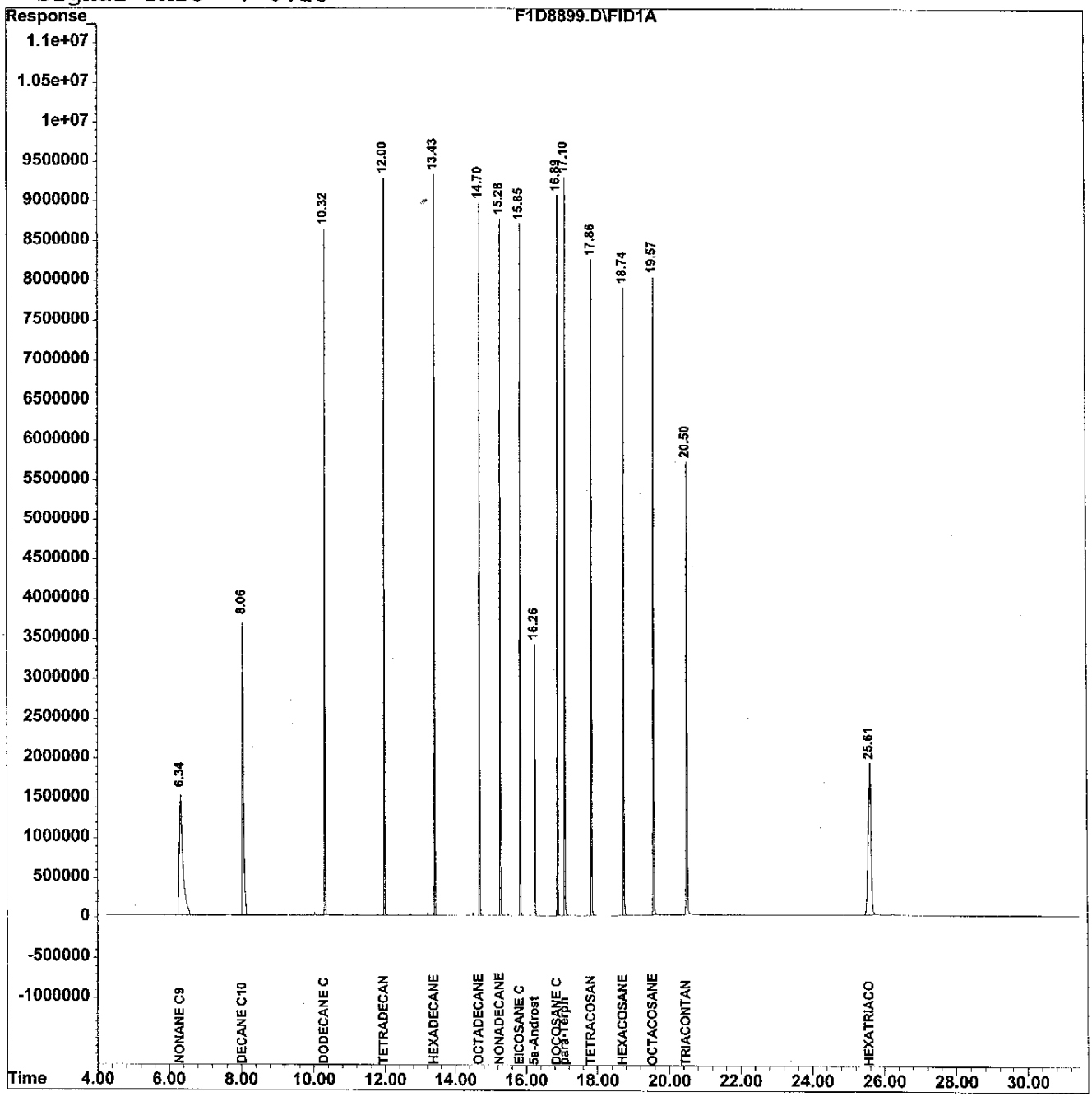
2/9/5

Quantitation Report

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8899.D Vial: 4
Acq On : 2-8-05 16:32:12 PM Operator: TT
Sample : ETPH L3 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:36 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8901.D Vial: 5
Acq On : 2-8-05 17:10:27 PM Operator: TT
Sample : ETPH L4 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:37 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc Units
	Internal Standards			
1) I	5a-Androstane	16.26	40715035	40.000 ng
	System Monitoring Compounds			
2) S	para-Terphenyl	17.12	224099212	211.870 ng
Spiked Amount	50.000		Recovery =	423.74%
	Target Compounds			
3)	NONANE C9	6.33	197929246	200.675 ng
4)	DECANE C10	8.06	198133186	201.649 ng
5)	DODECANE C12	10.33	198140624	204.678 ng
6)	TETRADECANE C14	12.01	199115126	203.857 ng
7)	HEXADECANE C 16	13.44	203222679	203.326 ng
8)	OCTADECANE C18	14.71	204423195	203.117 ng
9)	NONADECANE C19	15.29	205976756	202.735 ng
10)	EICOSANE C20	15.85	207989071	202.613 ng
11)	DOCOSANE C22	16.91	207726711	202.128 ng
12)	TETRACOSANE C24	17.86	208556870	202.887 ng
13)	HEXACOSANE C26	18.75	209490672	202.893 ng
14)	OCTACOSANE C28	19.58	209017778	203.574 ng
15)	TRIACONTANE C30	20.52	208549850	204.528 ng
16)	HEXATRIACONTANE C36	25.66	203708937	208.990 ng

2/9/5 11

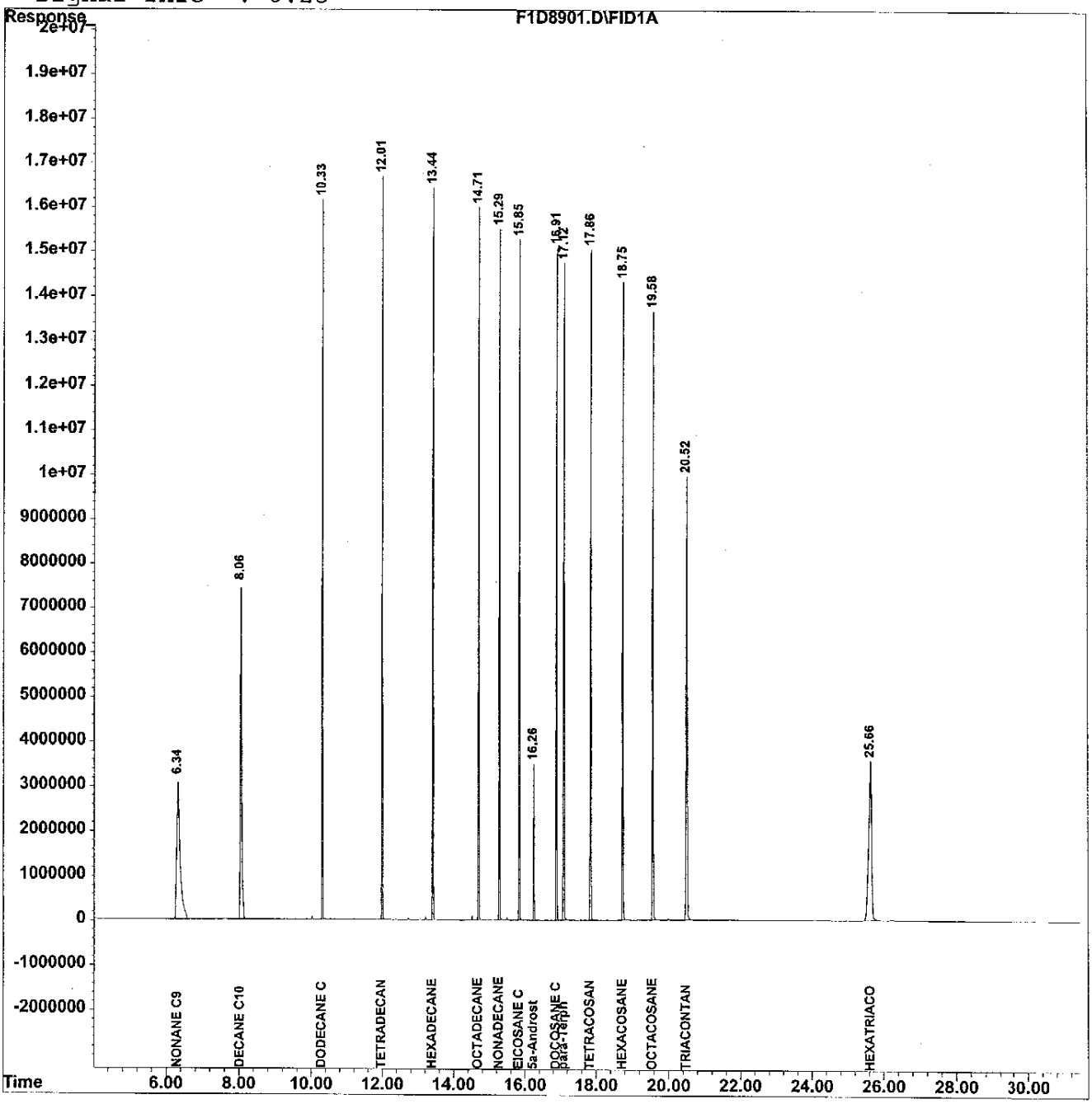
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8901.D Vial: 5
Acq On : 2-8-05 17:10:27 PM Operator: TT
Sample : ETPH L4 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:37 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8903.D Vial: 6
Acq On : 2-8-05 17:48:36 PM Operator: TT
Sample : ETPH L5 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:38 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1) I	5a-Androstane	16.26	40366679	40.000	ng
	System Monitoring Compounds				
2) S	para-Terphenyl	17.13	437321177	417.024	ng
Spiked Amount	50.000		Recovery =	834.05%	
	Target Compounds				
3)	NONANE C9	6.34	383764192	392.446	ng
4)	DECANE C10	8.07	384777205	394.985	ng
5)	DODECANE C12	10.34	386524869	402.723	ng
6)	TETRADECANE C14	12.02	387916136	400.582	ng
7)	HEXADECANE C 16	13.45	395850402	399.470	ng
8)	OCTADECANE C18	14.72	397646118	398.514	ng
9)	NONADECANE C19	15.31	400419680	397.519	ng
10)	EICOSANE C20	15.87	404477973	397.423	ng
11)	DOCOSANE C22	16.92	403685034	396.195	ng
12)	TETRACOSANE C24	17.88	405236280	397.622	ng
13)	HEXACOSANE C26	18.77	407107131	397.689	ng
14)	OCTACOSANE C28	19.60	406604686	399.433	ng
15)	TRIACONTANE C30	20.54	406204364	401.808	ng
16)	HEXATRIACONTANE C36	25.72	398305575	412.158	ng

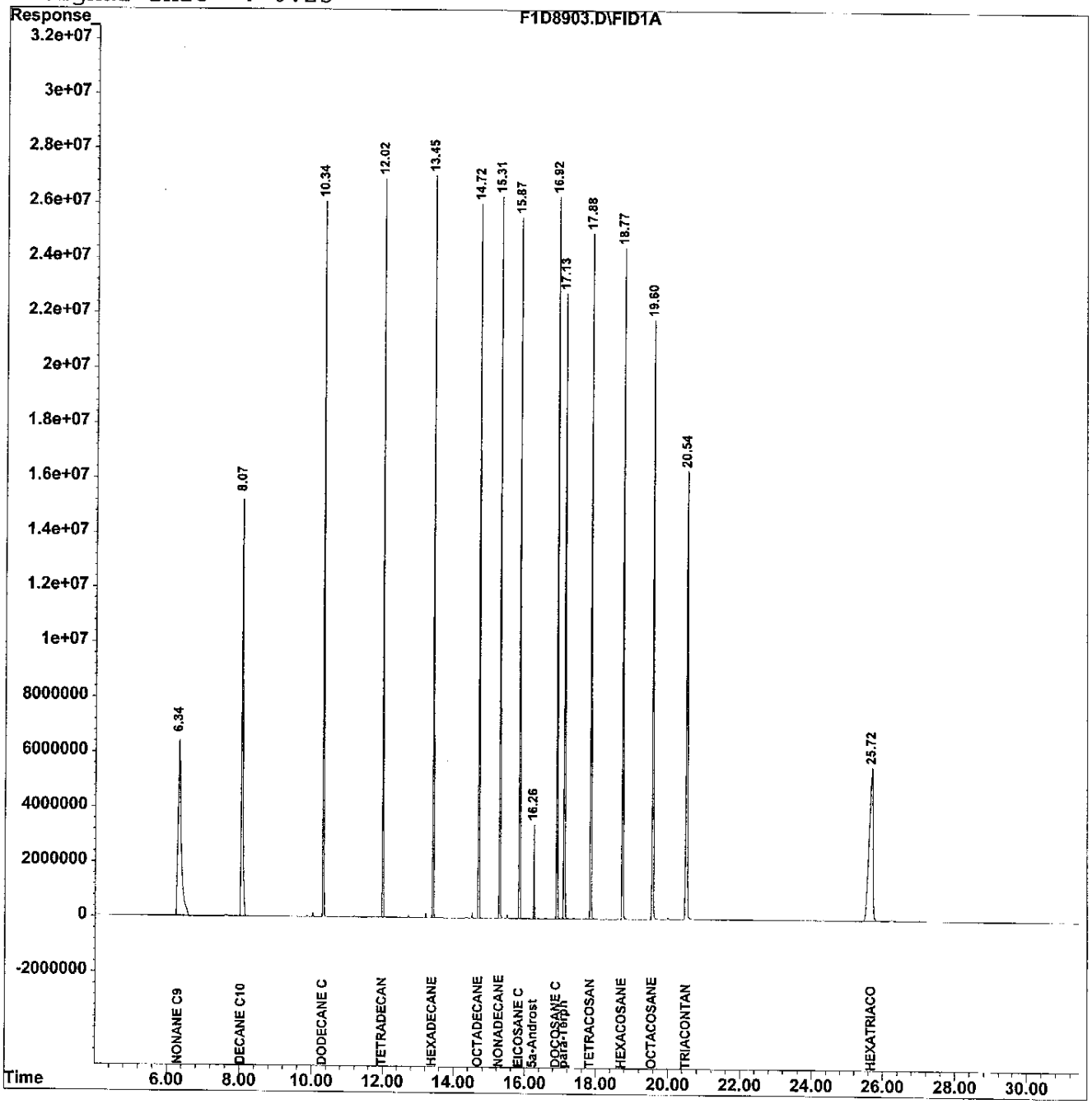
2/15/11

Quantitation Report

Data File : C:\HPCHEM\1\DATA\FEB05\050208\F1D8903.D Vial: 6
Acq On : 2-8-05 17:48:36 PM Operator: TT
Sample : ETPH L5 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 9 10:38 19105 Quant Results File: ET0209F.RES

Quant Method : C:\HPCHEM\1\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Wed Feb 09 10:32:12 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Continuing Calibration Report F1

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration

Continuing Calibration File: F1E1433.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
1	I	5a-Androstane	1.000	1.000	0.0	106
2	S	para-Terphenyl	1.085	1.136	-4.7	116
3		NONANE C9	1.024	1.073	-4.8	117
4		DECANE C10	1.018	1.018	0.0	112
5		DODECANE C12	1.000	1.012	-1.3	113
6		TETRADECANE C14	0.996	1.033	-3.7	114
7		HEXADECANE C 16	1.024	1.067	-4.2	115
8		OCTADECANE C18	1.035	1.053	-1.7	113
9		NONADECANE C19	1.044	1.094	-4.8	116
10		EICOSANE C20	1.057	1.082	-2.3	114
11		DOCOSANE C22	1.059	1.076	-1.6	113
12		TETRACOSANE C24	1.057	1.083	-2.5	113
13		HEXACOSANE C26	1.059	1.078	-1.8	112
14		OCTACOSANE C28	1.053	1.070	-1.5	112
15		TRIACONTANE C30	1.044	1.049	-0.5	111
16		HEXATRIACONTANE C36	1.002	0.964	3.8	107

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Continuing Calibration Report F1

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration

Continuing Calibration File: F1E1455.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
1	I	5a-Androstane	1.000	1.000	0.0	108
2	S	para-Terphenyl	1.085	1.140	-5.1	119
3		NONANE C9	1.024	1.075	-5.0	120
4		DECANE C10	1.018	1.031	-1.2	116
5		DODECANE C12	1.000	0.995	0.4	113
6		TETRADECANE C14	0.996	1.036	-4.0	117
7		HEXADECANE C 16	1.024	1.070	-4.5	118
8		OCTADECANE C18	1.035	1.080	-4.4	118
9		NONADECANE C19	1.044	1.094	-4.8	119
10		EICOSANE C20	1.057	1.087	-2.8	117
11		DOCOSANE C22	1.059	1.100	-3.8	118
12		TETRACOSANE C24	1.057	1.092	-3.3	117
13		HEXACOSANE C26	1.059	1.089	-2.8	116
14		OCTACOSANE C28	1.053	1.085	-3.0	116
15		TRIACONTANE C30	1.044	1.070	-2.5	116
16		HEXATRIACONTANE C36	1.002	1.032	-3.0	117

Quantitation Report (QT Reviewed)

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1433.D Vial: 92
Acq On : 6-6-05 14:59:15 PM Operator: TT
Sample : ETPH CCV Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:05 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc Units
	Internal Standards			
1) I	5a-Androstane	16.18	42803388	40.000 ug/ml
	System Monitoring Compounds			
2) S	para-Terphenyl	17.03	60791902	52.356 ug/ml
Spiked Amount	50.000	Recovery	=	104.71%
	Target Compounds			
3)	NONANE C9	6.16	57400391	52.386 ug/ml
4)	DECANE C10	7.95	54485785	49.993 ug/ml
5)	DODECANE C12	10.24	54164988	50.642 ug/ml
6)	TETRADECANE C14	11.92	55296473	51.870 ug/ml
7)	HEXADECANE C 16	13.35	57097763	52.117 ug/ml
8)	OCTADECANE C18	14.62	56325566	50.871 ug/ml
9)	NONADECANE C19	15.21	58541068	52.413 ug/ml
10)	EICOSANE C20	15.77	57890907	51.175 ug/ml
11)	DOCOSANE C22	16.81	57571024	50.797 ug/ml
12)	TETRACOSANE C24	17.77	57959842	51.231 ug/ml
13)	HEXACOSANE C26	18.66	57681625	50.889 ug/ml
14)	OCTACOSANE C28	19.48	57223542	50.772 ug/ml
15)	TRIACONTANE C30	20.38	56125753	50.255 ug/ml
16)	HEXATRIACONTANE C36	25.26	51581683	48.104 ug/ml

$C_{26}/C_{20} = 99\%$

JS 6/10/5

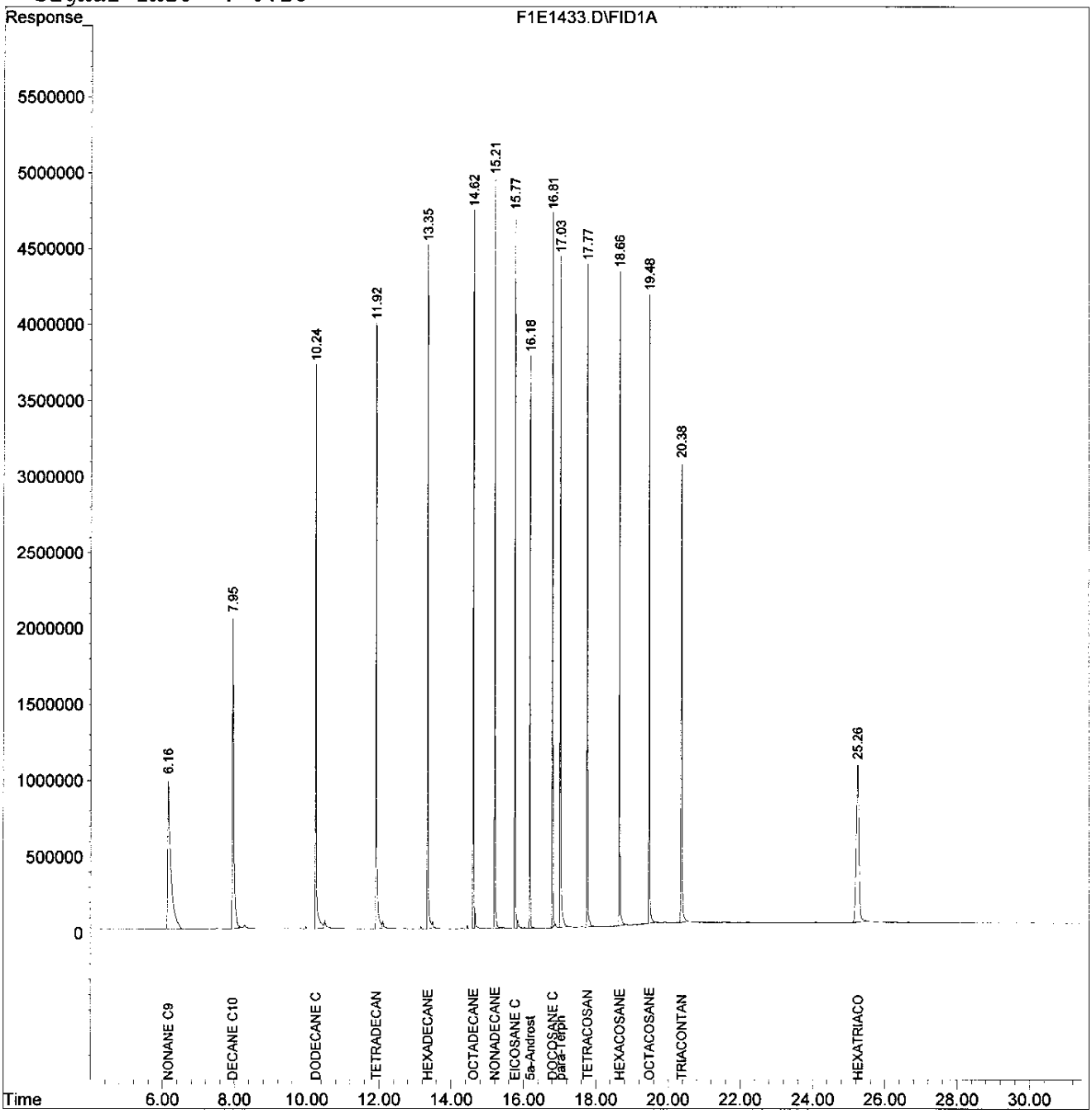
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1433.D Vial: 92
Acq On : 6-6-05 14:59:15 PM Operator: TT
Sample : ETPH CCV Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:05 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report (QT Reviewed)

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1455.D Vial: 92
Acq On : 6-6-05 21:59:20 PM Operator: TT
Sample : ETPH CCV Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:28 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc Units
	Internal Standards			
1) I	5a-Androstane	16.18	43789786	40.000 ug/ml
	System Monitoring Compounds			
2) S	para-Terphenyl	17.03	62399722	52.530 ug/ml
Spiked Amount	50.000	Recovery	=	105.06%
	Target Compounds			
3)	NONANE C9	6.16	58851968	52.501 ug/ml
4)	DECANE C10	7.95	56422851	50.604 ug/ml
5)	DODECANE C12	10.24	54480382	49.790 ug/ml
6)	TETRADECANE C14	11.92	56716717	52.004 ug/ml
7)	HEXADECANE C 16	13.35	58541735	52.231 ug/ml
8)	OCTADECANE C18	14.62	59118789	52.191 ug/ml
9)	NONADECANE C19	15.20	59859171	52.386 ug/ml
10)	EICOSANE C20	15.76	59486414	51.401 ug/ml
11)	DOCOSANE C22	16.81	60194766	51.916 ug/ml
12)	TETRACOSANE C24	17.77	59760272	51.633 ug/ml
13)	HEXACOSANE C26	18.66	59609215	51.405 ug/ml
14)	OCTACOSANE C28	19.48	59366218	51.486 ug/ml
15)	TRIACONTANE C30	20.37	58580869	51.272 ug/ml
16)	HEXATRIACONTANE C36	25.25	56505170	51.509 ug/ml

$C_{28}/C_{20} = 100\%$

75 6/10/1

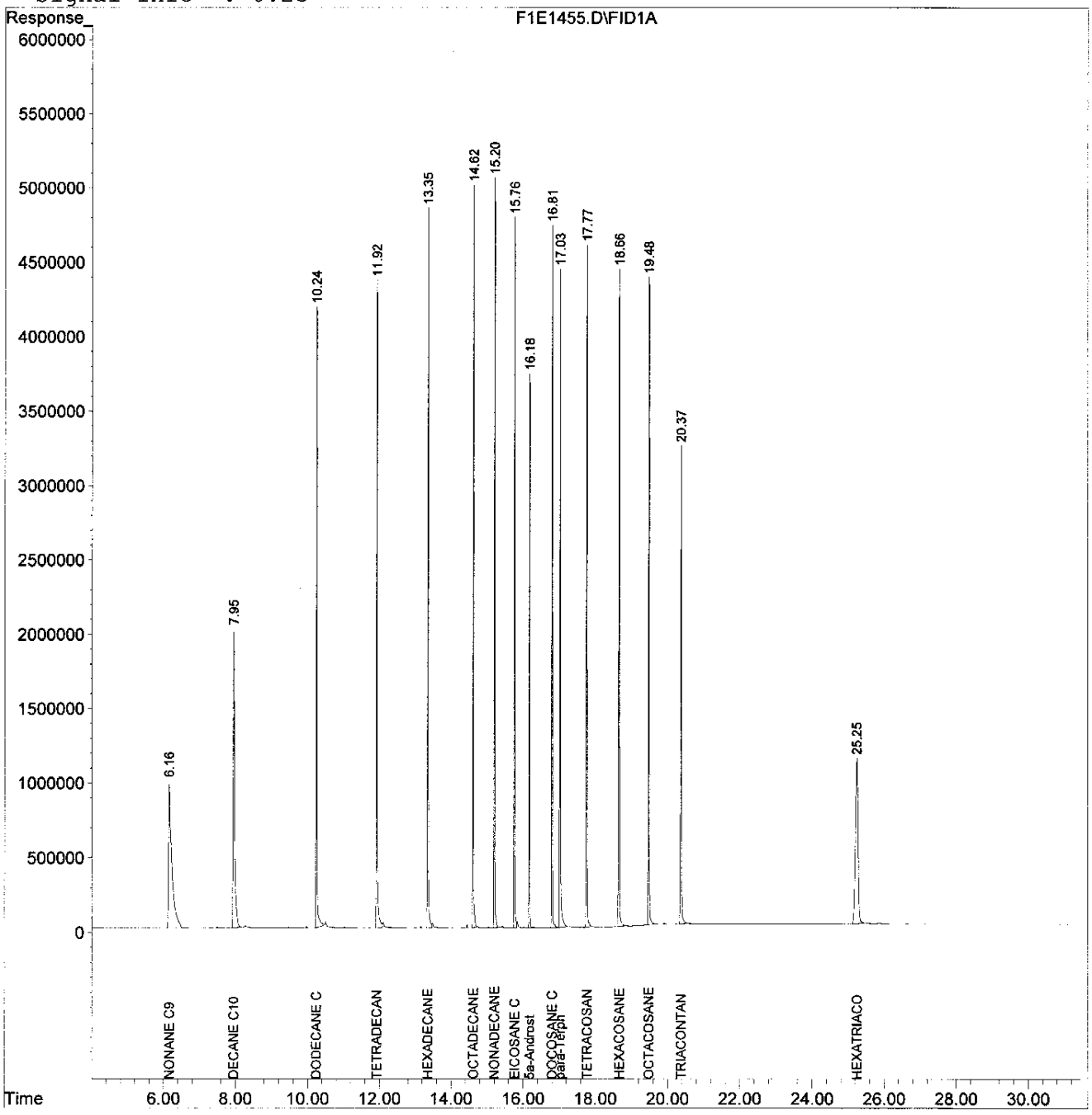
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

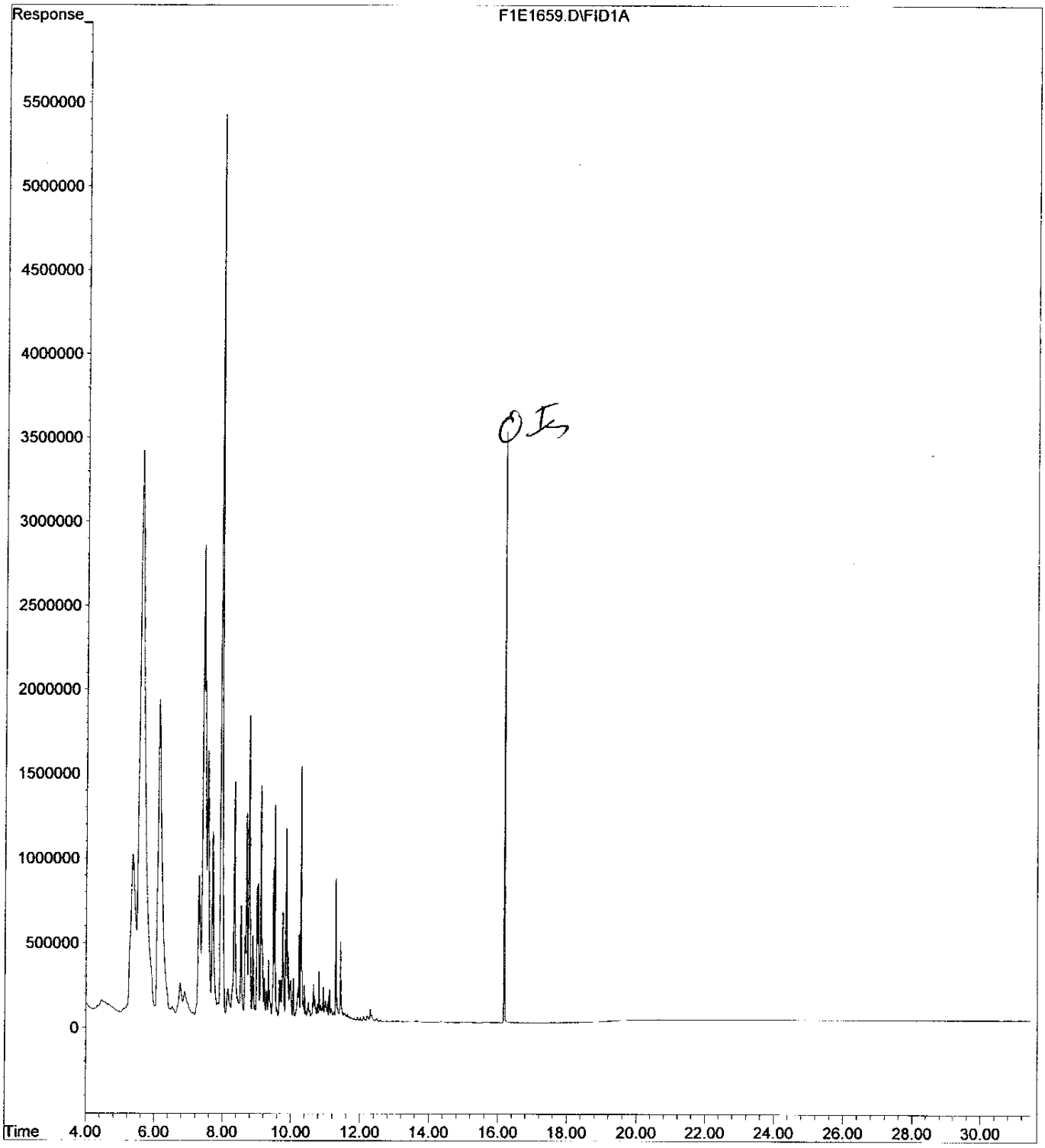
Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1455.D Vial: 92
Acq On : 6-6-05 21:59:20 PM Operator: TT
Sample : ETPH CCV Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:28 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

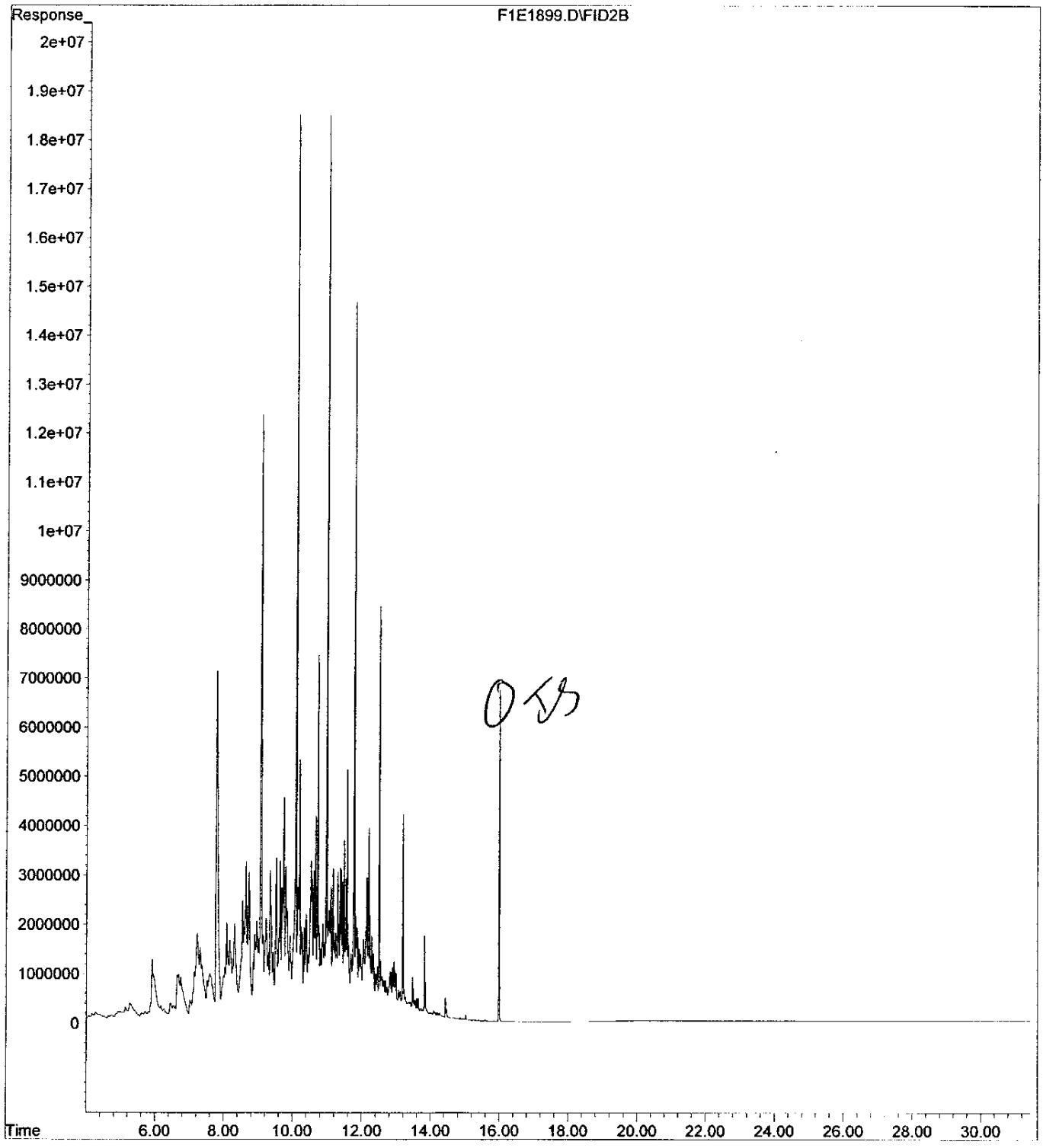
Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



File : O:\ORGANIC\SVOA\F1.I\0506\050615\F1E1659.D
Operator : TT
Acquired : 6-15-05 10:33:36 PM using AcqMethod ETPH-B.M
Instrument : F1
Sample Name: GASOLINE
Misc Info :
Vial Number: 18



File : O:\ORGANIC\SVOA\F1.I\0506\050622.SEC\F1E1899.D
Operator : TT
Acquired : 6-22-05 17:17:11 PM using AcqMethod ETPH-B.M
Instrument : F1
Sample Name: JET FUEL
Misc Info :
Vial Number: 5



Mitkem Corporation

Date: *20-Jun-05*

CLIENT: Day Environmental, Inc.
Work Order: D0618
Project: Jamestown

ANALYTICAL QC SUMMARY REPORT

TestCode: TPH_W

Sample ID **MB-18319**	SampType: **MBLK**	TestCode: **TPH_W**			Prep Date: **05/31/2005**		Run ID: **F1_050606C**				
Client ID: **MB-18319**	Batch ID: **18319**	Units: **mg/L**			Analysis Date: **06/06/2005**		SeqNo: **357122**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	ND	0.35									
Surr: para-Terphenyl	0.04605	0.025	0.05	0	92.1	24.4	123	0	0		

Sample ID **LCS-18319**	SampType: **LCS**	TestCode: **TPH_W**			Prep Date: **05/31/2005**		Run ID: **F1_050606C**				
Client ID: **LCS-18319**	Batch ID: **18319**	Units: **mg/L**			Analysis Date: **06/06/2005**		SeqNo: **357123**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	4.213	0.35	5	0.1041	82.2	64.1	111	0	0		
Surr: para-Terphenyl	0.0422	0.025	0.05	0	84.4	24.4	123	0	0		

Sample ID **LCSD-18319**	SampType: **LCSD**	TestCode: **TPH_W**			Prep Date: **05/31/2005**		Run ID: **F1_050606C**				
Client ID: **LCSD-18319**	Batch ID: **18319**	Units: **mg/L**			Analysis Date: **06/06/2005**		SeqNo: **357124**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	3.226	0.35	5	0.1041	62.4	64.1	111	0	0		S
Surr: para-Terphenyl	0.03379	0.025	0.05	0	67.6	24.4	123	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blank

0622

Quantitation Report (QT Reviewed)

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1437.D Vial: 10
Acq On : 6-6-05 16:15:27 PM Operator: TT
Sample : MB 18319 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:07 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1)	I 5a-Androstane	16.18	46085654	40.000	ug/ml
	System Monitoring Compounds				
2)	S para-Terphenyl	17.03	57566457	46.047	ug/ml
Spiked Amount	50.000	Recovery	=	92.09%	
	Target Compounds				
3)	NONANE C9	0.00	0	N.D.	ug/ml
4)	DECANE C10	0.00	0	N.D.	ug/ml
5)	DODECANE C12	0.00	0	N.D.	ug/ml
6)	TETRADECANE C14	0.00	0	N.D.	ug/ml
7)	HEXADECANE C 16	0.00	0	N.D.	ug/ml
8)	OCTADECANE C18	0.00	0	N.D.	ug/ml
9)	NONADECANE C19	0.00	0	N.D.	ug/ml
10)	EICOSANE C20	0.00	0	N.D.	ug/mld
11)	DOCOSANE C22	0.00	0	N.D.	ug/mld
12)	TETRACOSANE C24	0.00	0	N.D.	ug/mld
13)	HEXACOSANE C26	0.00	0	N.D.	ug/mld
14)	OCTACOSANE C28	0.00	0	N.D.	ug/mld
15)	TRIACONTANE C30	0.00	0	N.D.	ug/mld
16)	HEXATRIACONTANE C36	0.00	0	N.D.	ug/ml

TS 6/10/05

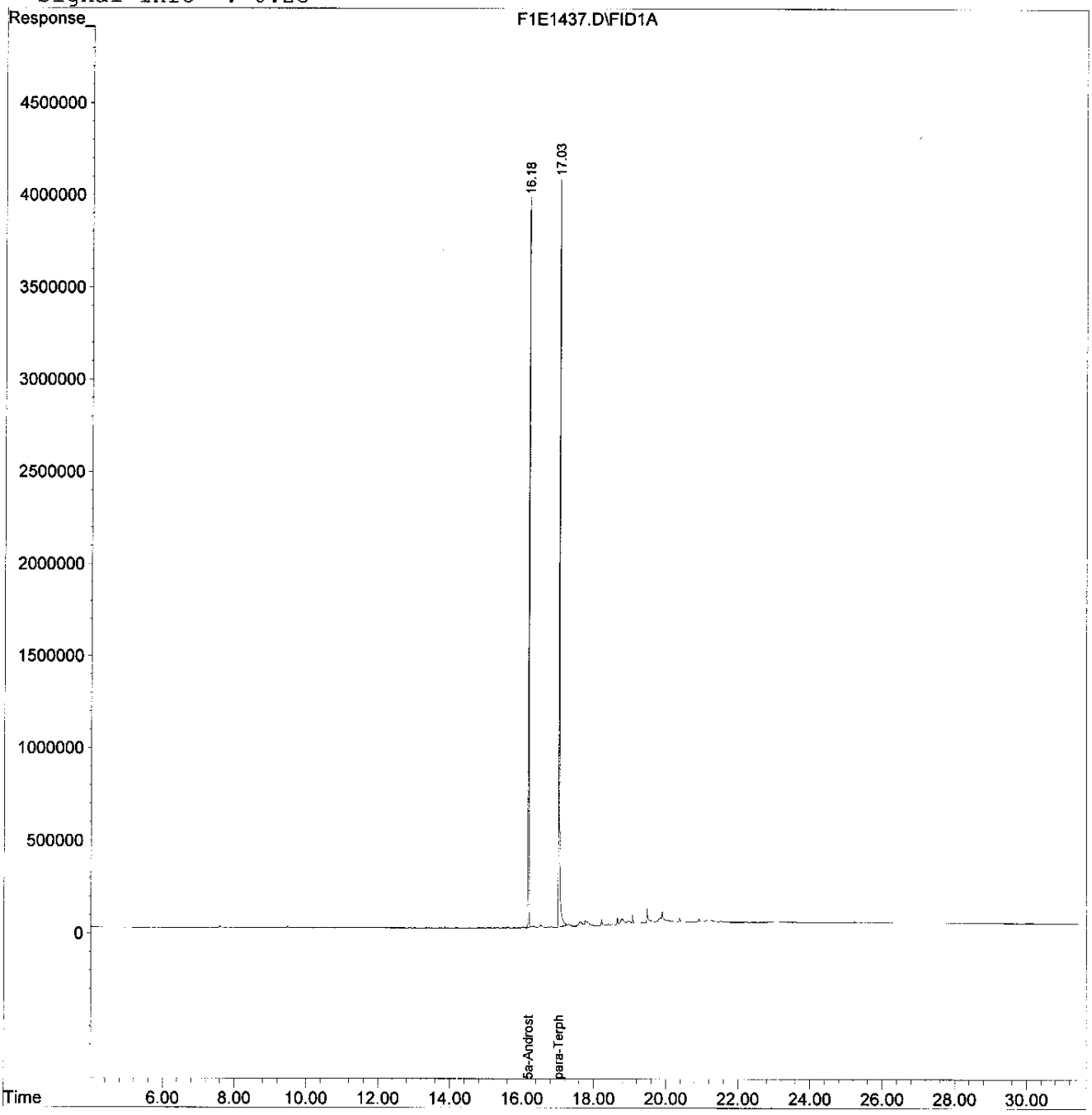
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1437.D Vial: 10
Acq On : 6-6-05 16:15:27 PM Operator: TT
Sample : MB 18319 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:07 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Area Percent Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1437.D Vial: 10
Acq On : 6-6-05 16:15:27 PM Operator: TT
Sample : MB 18319 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,

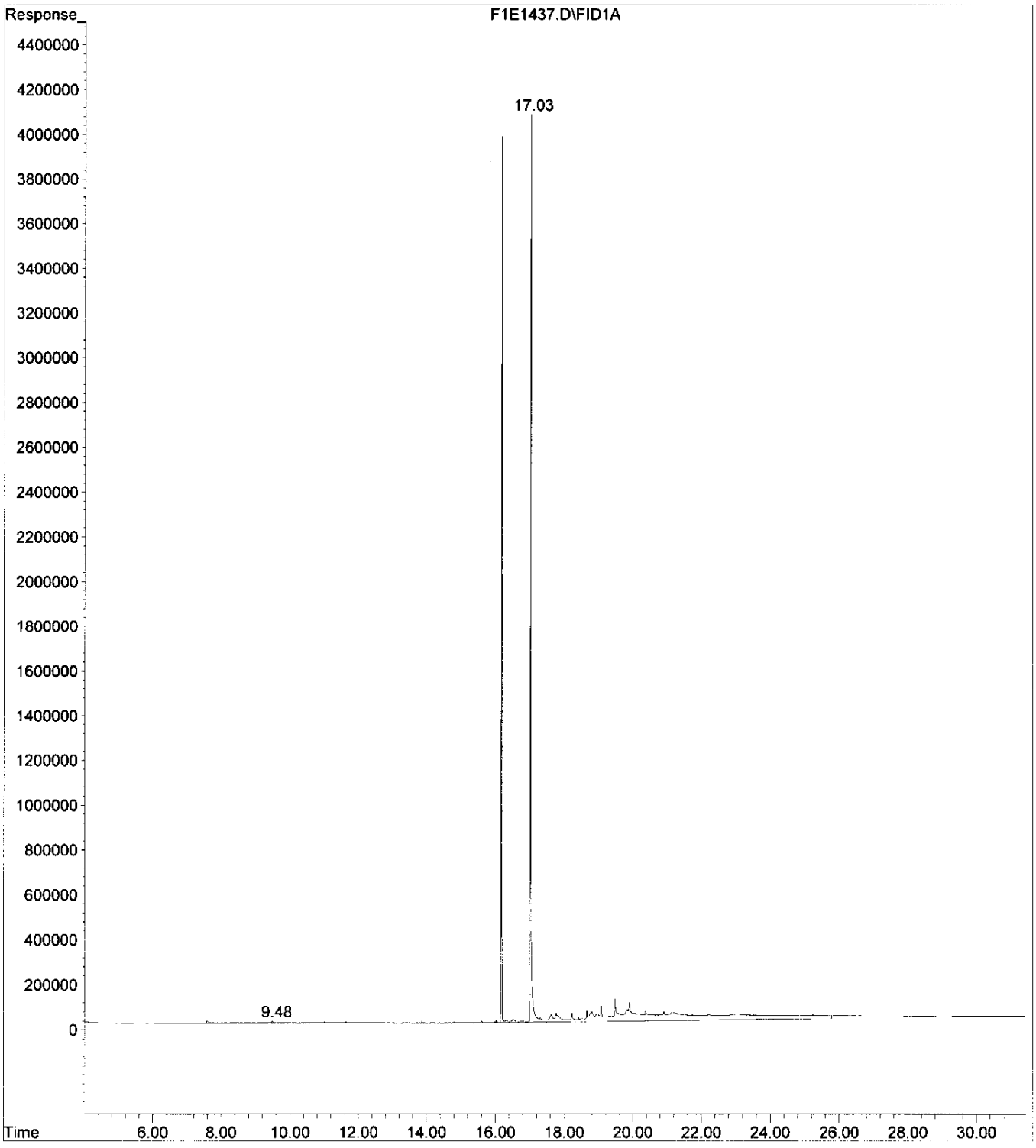
Signal : F1E1437.D\FID1A

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	9.481	6.055	14.974	M	10643	7923051	3.61%	3.481%
2	17.029	15.003	25.787	M	4056674	219690529	100.00%	96.519%

Sum of corrected areas: 227613580

F1E1437.D ET0209F.M Fri Jun 10 14:08:25 2005 D

File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1437.D
Operator : TT
Acquired : 6-6-05 16:15:27 PM using AcqMethod ETPH-B.M
Instrument : F1
Sample Name: MB 18319
Misc Info :
Vial Number: 10



Quantitation Report (QT Reviewed)

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1439.D Vial: 11
Acq On : 6-6-05 16:53:30 PM Operator: TT
Sample : LCS 18319 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:09 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1) I	5a-Androstane	16.19	51544199	40.000	ug/mlm 3
	System Monitoring Compounds				
2) S	para-Terphenyl	17.03	58999031	42.195	ug/mlm 3
Spiked Amount	50.000		Recovery =	84.39%	
	Target Compounds				
3)	NONANE C9	0.00	0	N.D.	ug/mld
4)	DECANE C10	0.00	0	N.D.	ug/mld
5)	DODECANE C12	0.00	0	N.D.	ug/mld
6)	TETRADECANE C14	0.00	0	N.D.	ug/mld
7)	HEXADECANE C 16	0.00	0	N.D.	ug/mld
8)	OCTADECANE C18	0.00	0	N.D.	ug/mld
9)	NONADECANE C19	0.00	0	N.D.	ug/mld
10)	EICOSANE C20	0.00	0	N.D.	ug/mld
11)	DOCOSANE C22	0.00	0	N.D.	ug/mld
12)	TETRACOSANE C24	0.00	0	N.D.	ug/mld
13)	HEXACOSANE C26	0.00	0	N.D.	ug/mld
14)	OCTACOSANE C28	0.00	0	N.D.	ug/mld
15)	TRIACONTANE C30	0.00	0	N.D.	ug/mld
16)	HEXATRIACONTANE C36	0.00	0	N.D.	ug/ml

TS 6/10/05

TS 6/10/05

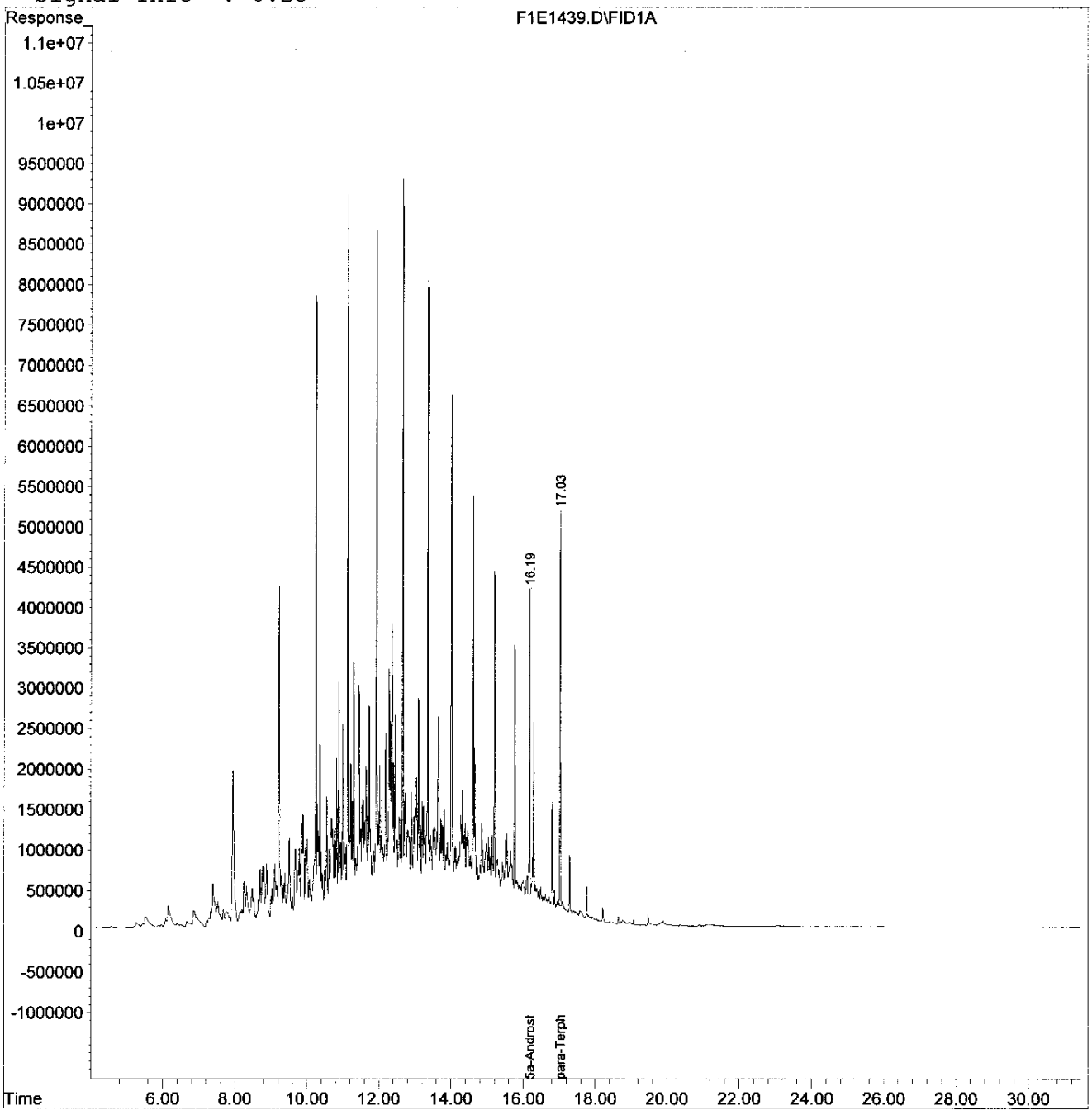
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1439.D Vial: 11
Acq On : 6-6-05 16:53:30 PM Operator: TT
Sample : LCS 18319 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:09 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

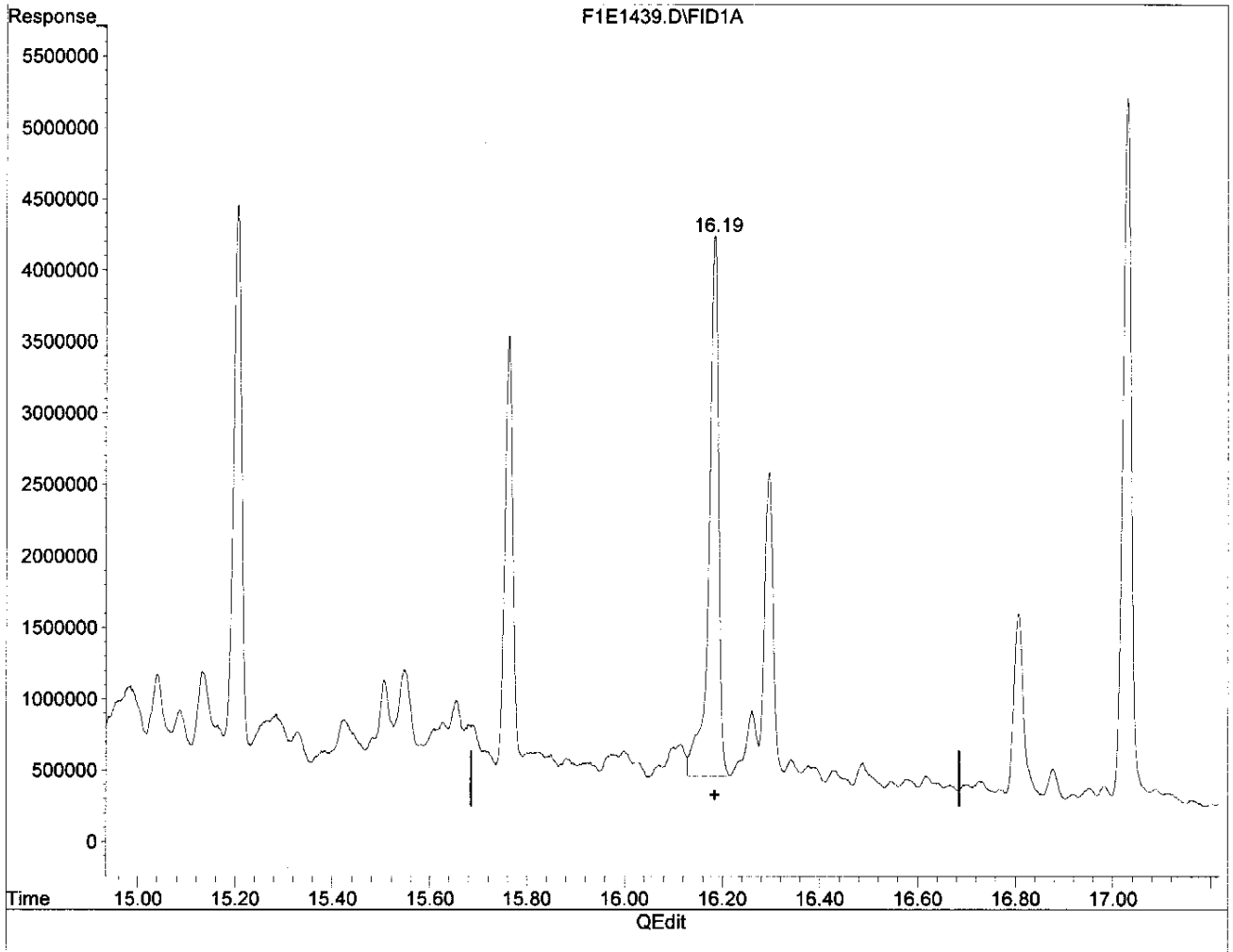
Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1439.D Vial: 11
Acq On : 6-6-05 16:53:30 PM Operator: TT
Sample : LCS 18319 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:08 19105 Quant Results File: ET0209F.RES

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration



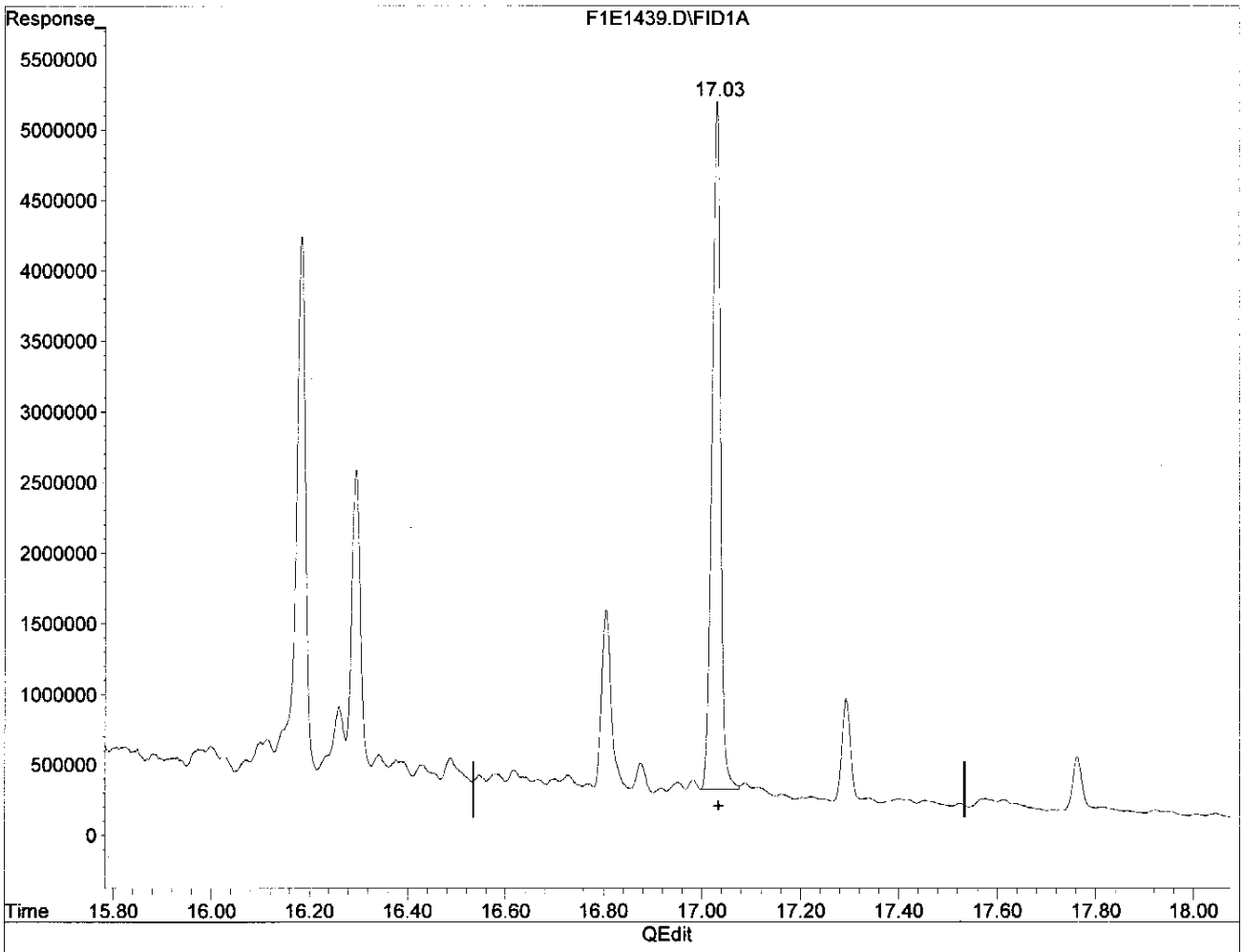
TS 6/10/1

(+) = Expected Retention Time
F1E1439.D ET0209F.M Fri Jun 10 14:09:15 2005 D

Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1439.D Vial: 11
Acq On : 6-6-05 16:53:30 PM Operator: TT
Sample : LCS 18319 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:08 19105 Quant Results File: ET0209F.RES

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration



(2) para-Terphenyl (S)

17.03min 42.195ug/ml m

response 58999031

7s 6/10/5

(+) = Expected Retention Time

F1E1439.D ET0209F.M Fri Jun 10 14:09:28 2005 D

Area Percent Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1439.D Vial: 11
Acq On : 6-6-05 16:53:30 PM Operator: TT
Sample : LCS 18319 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,

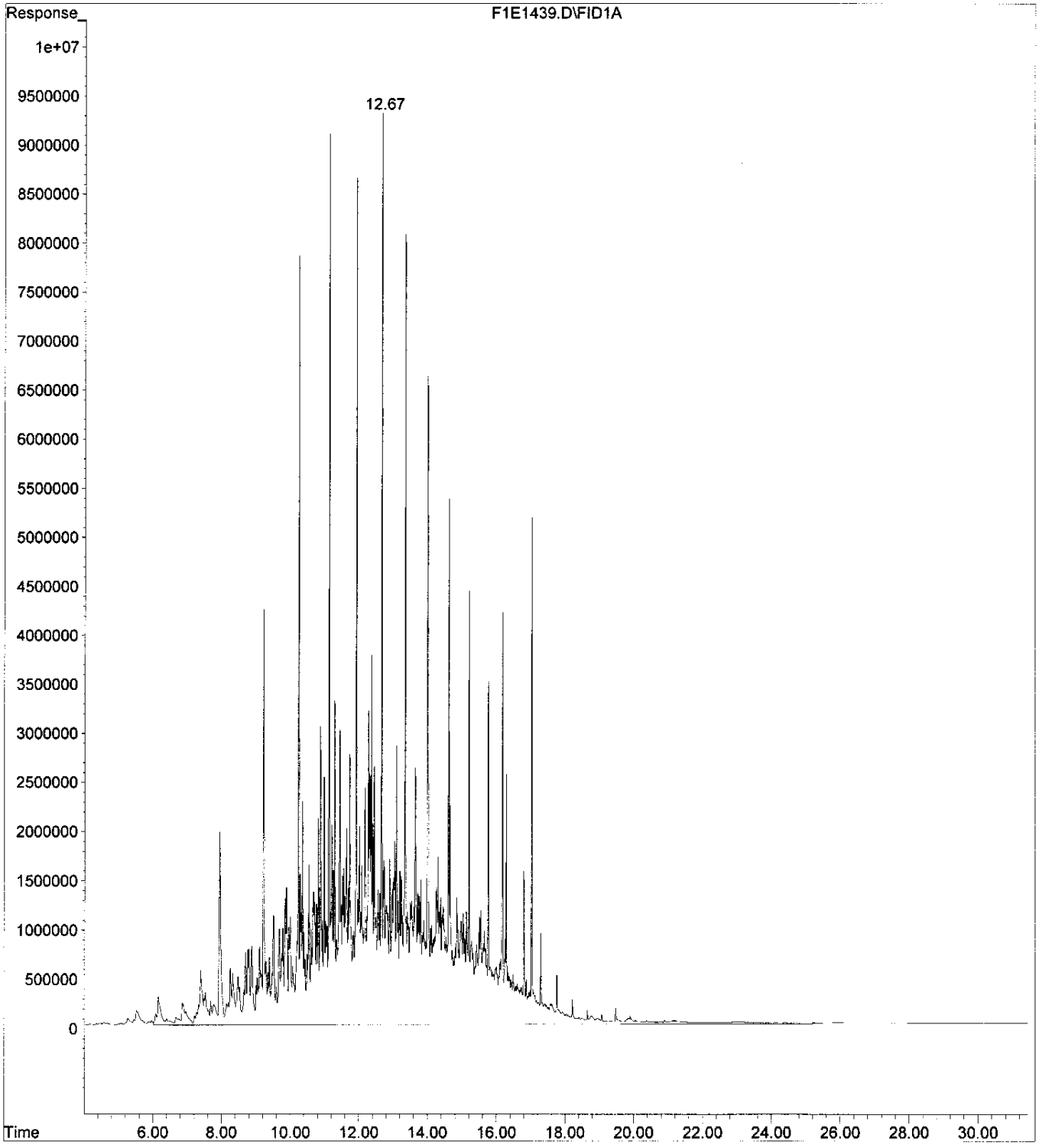
Signal : F1E1439.D\FID1A

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	12.666	6.023	25.496	M	9284925	5722708250	100.00%	100.000%

Sum of corrected areas: 5722708250

F1E1439.D ET0209F.M Fri Jun 10 14:11:15 2005 D

File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1439.D
Operator : TT
Acquired : 6-6-05 16:53:30 PM using AcqMethod ETPH-B.M
Instrument : F1
Sample Name: LCS 18319
Misc Info :
Vial Number: 11



Quantitation Report (QT Reviewed)

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1441.D Vial: 12
Acq On : 6-6-05 17:31:36 PM Operator: TT
Sample : LCSD 18319 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:12 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Initial Calibration
DataAcq Meth : ETPH-B.M

Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25

	Compound	R.T.	Response	Conc	Units
	Internal Standards				
1) I	5a-Androstane	16.18	54443219	40.000	ug/mlm
	System Monitoring Compounds				
2) S	para-Terphenyl	17.03	49900681	33.788	ug/mlm
Spiked Amount 50.000			Recovery =	67.58%	
	Target Compounds				
3)	NONANE C9	0.00	0	N.D.	ug/mld
4)	DECANE C10	0.00	0	N.D.	ug/mld
5)	DODECANE C12	0.00	0	N.D.	ug/mld
6)	TETRADECANE C14	0.00	0	N.D.	ug/mld
7)	HEXADECANE C 16	0.00	0	N.D.	ug/mld
8)	OCTADECANE C18	0.00	0	N.D.	ug/mld
9)	NONADECANE C19	0.00	0	N.D.	ug/mld
10)	EICOSANE C20	0.00	0	N.D.	ug/mld
11)	DOCOSANE C22	0.00	0	N.D.	ug/mld
12)	TETRACOSANE C24	0.00	0	N.D.	ug/mld
13)	HEXACOSANE C26	0.00	0	N.D.	ug/mld
14)	OCTACOSANE C28	0.00	0	N.D.	ug/mld
15)	TRIACONTANE C30	0.00	0	N.D.	ug/mld
16)	HEXATRIACONTANE C36	0.00	0	N.D.	ug/mld

71 6/10/05

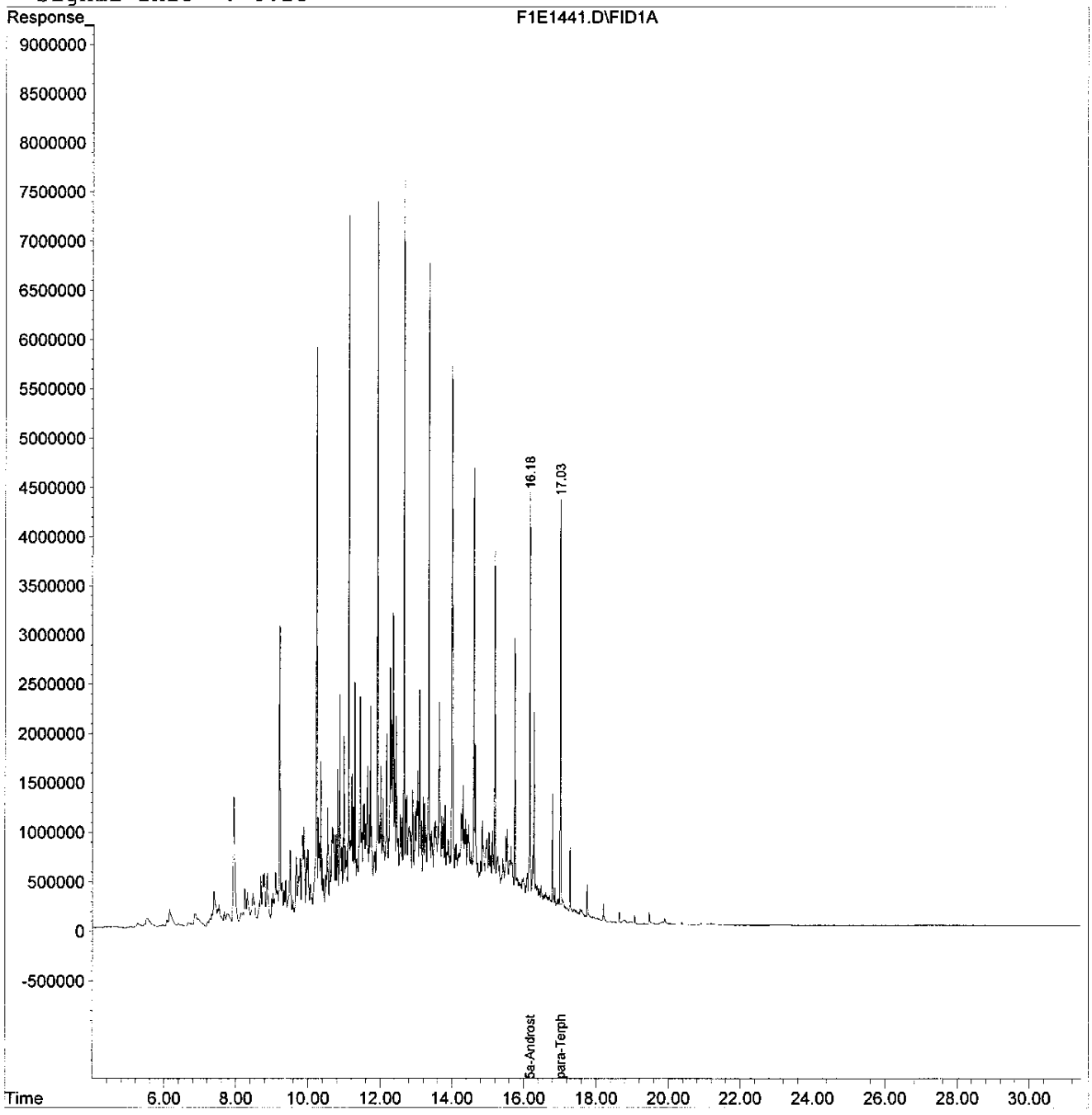
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1441.D Vial: 12
Acq On : 6-6-05 17:31:36 PM Operator: TT
Sample : LCSD 18319 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:12 19105 Quant Results File: ET0209F.RES

Quant Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration
DataAcq Meth : ETPH-B.M

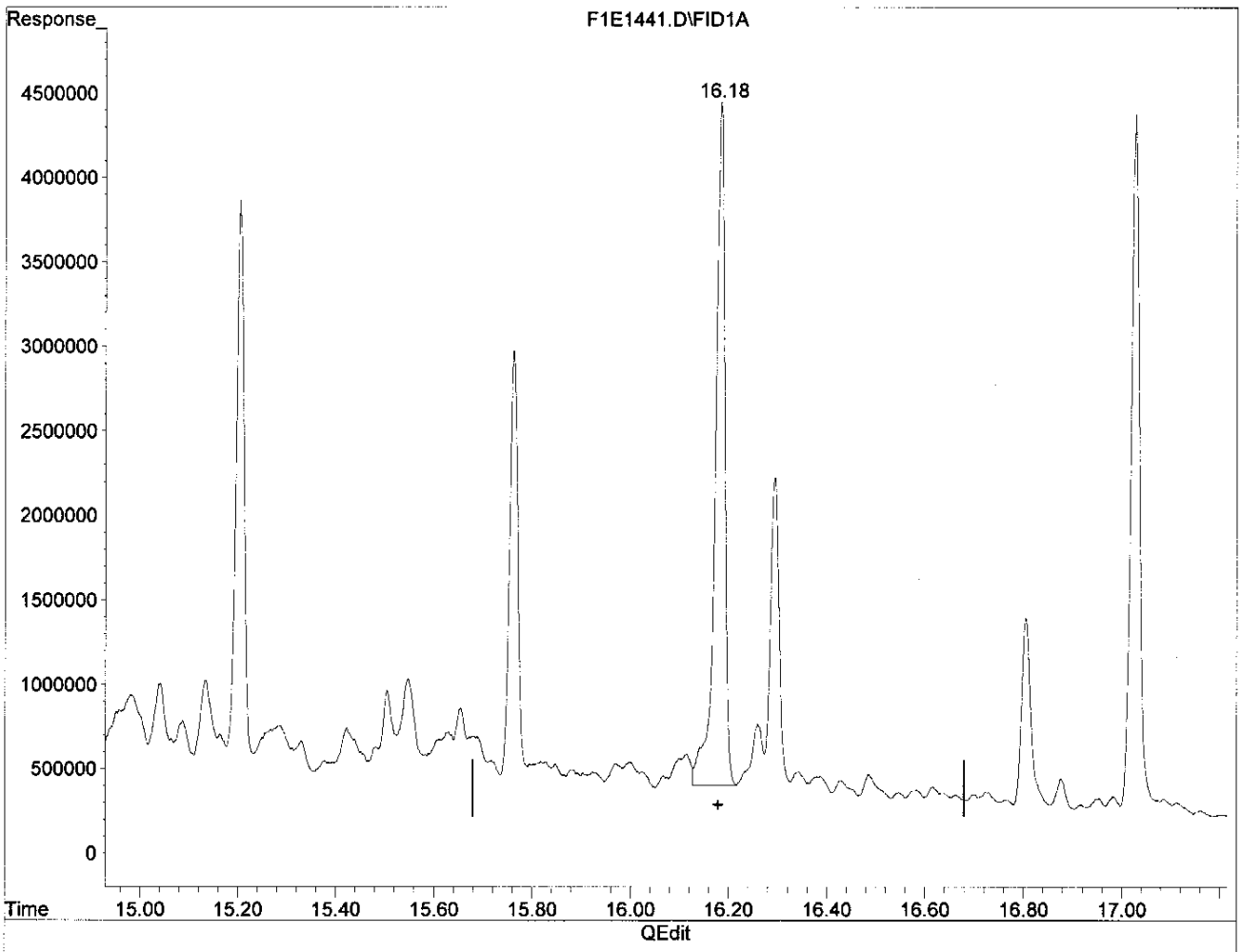
Volume Inj. : 1
Signal Phase : DB-5MS
Signal Info : 0.25



Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1441.D Vial: 12
Acq On : 6-6-05 17:31:36 PM Operator: TT
Sample : LCSD 18319 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:11 19105 Quant Results File: ET0209F.RES

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration



(1) 5a-Androstane (I)

16.18min 40.000ug/ml m

response 54443219

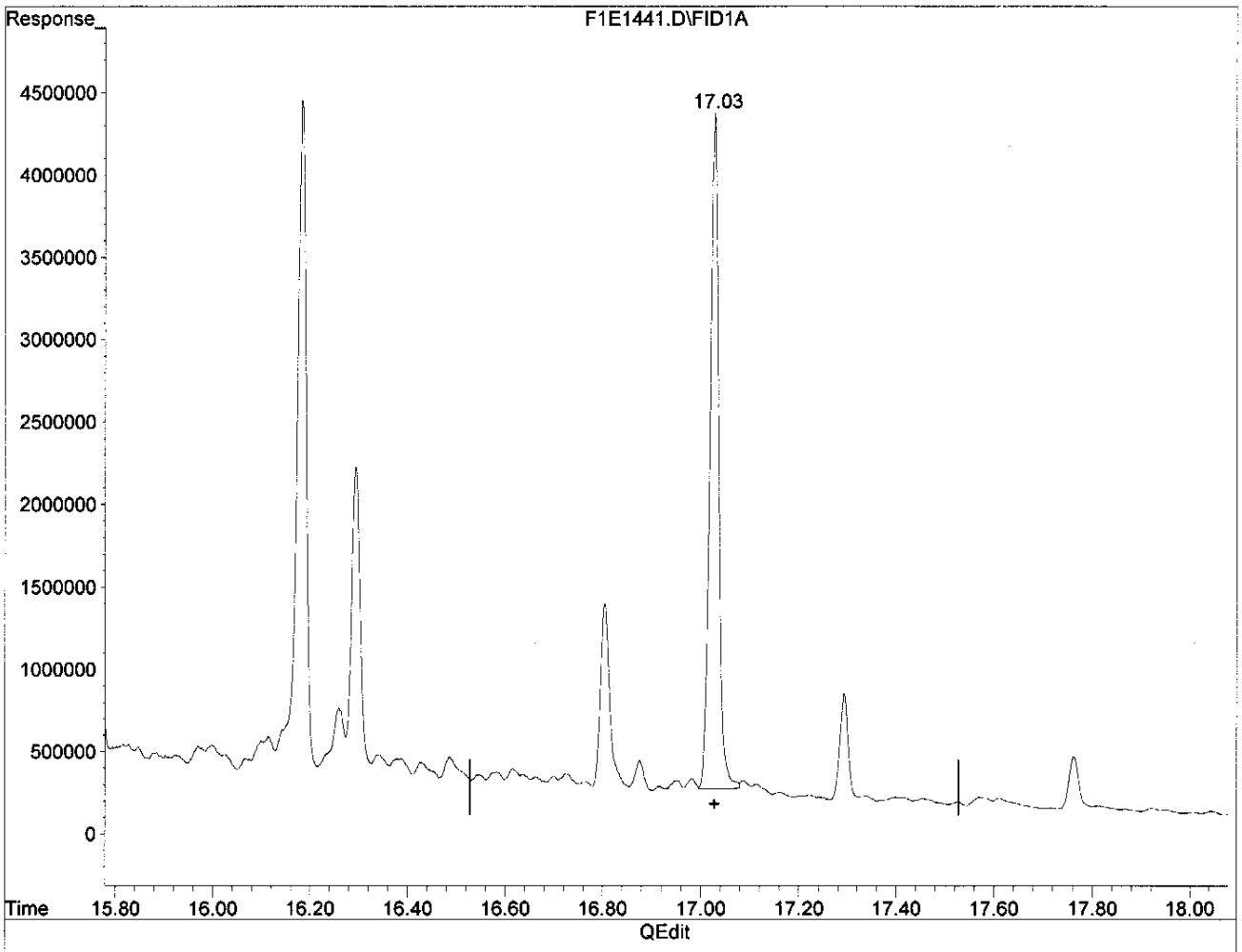
TJ 6/10/5

(+) = Expected Retention Time
F1E1441.D ET0209F.M Fri Jun 10 14:12:23 2005 D

Quantitation Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1441.D Vial: 12
Acq On : 6-6-05 17:31:36 PM Operator: TT
Sample : LCSD 18319 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Jun 10 14:11 19105 Quant Results File: ET0209F.RES

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,
Last Update : Tue Jun 07 13:09:46 2005
Response via : Multiple Level Calibration



6/10/05

(+) = Expected Retention Time
F1E1441.D ET0209F.M Fri Jun 10 14:12:38 2005 D

Area Percent Report

Data File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1441.D Vial: 12
Acq On : 6-6-05 17:31:36 PM Operator: TT
Sample : LCSD 18319 Inst : F1
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E

Method : O:\ORGANIC\SVOA\F1.I\QMETHODS\ET0209F.M (Chemstation Integrator)
Title : TPH, ETPH, DRO, Fuel ID,

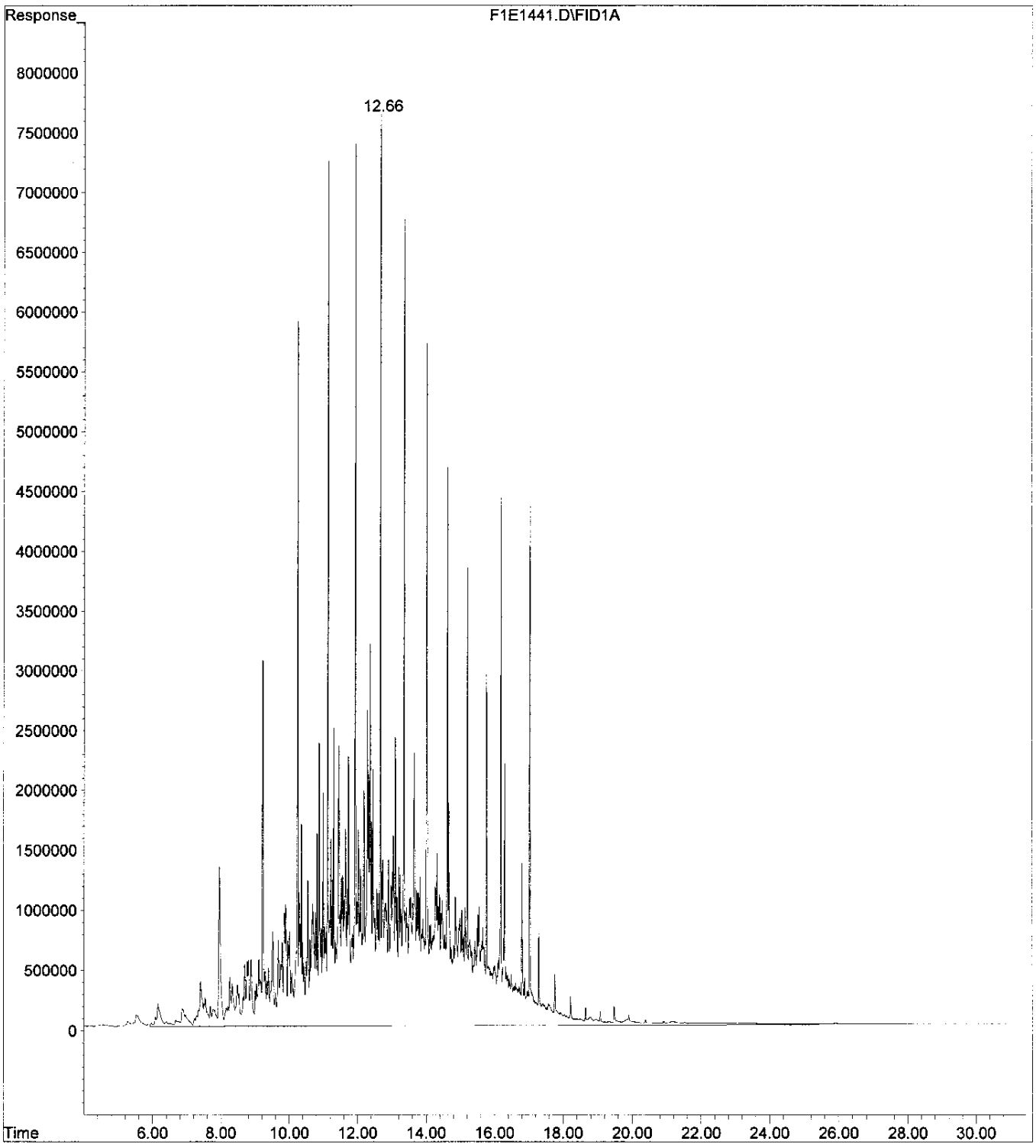
Signal : F1E1441.D\FID1A

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	12.664	5.931	25.450	M	7608771	4643451361	100.00%	100.000%

Sum of corrected areas: 4643451361

F1E1441.D ET0209F.M Fri Jun 10 14:13:31 2005 D

File : O:\ORGANIC\SVOA\F1.I\0506\050606\F1E1441.D
Operator : TT
Acquired : 6-6-05 17:31:36 PM using AcqMethod ETPH-B.M
Instrument : F1
Sample Name: LCSD 18319
Misc Info :
Vial Number: 12



TPH-AQ

	D0618, D0622	TPH	AQUEOUS										OMEGA	
Sample	Total Area	Inter.area	Surr.area	Mean RRF	Int C.(ug/ml)	Sam (L)	FV (ml)	Dilu.	TPH (mg/L)	REP. L .(mg/L)	Surr.(%)	MS (%)	TPH	SURR
MB-18319	227,613,580	46,085,654	57,566,457	1.0337	40.00	1	1.0	1	**0.10**	**0.35**	92		104.0846	46.047
LCS-18319	5,722,708,250	51,544,199	58,999,031	1.0337	40.00	1	1.0	1	**4.21**	**0.35**	84	84	4213.2392	42.195
LCSD-18319	4,643,451,361	54,443,219	49,900,681	1.0337	40.00	1	1.0	1	**3.23**	**0.35**	68	65	3226.2064	33.788
D0618-06B	1,095,122,634	44,890,771	48,101,893	1.0337	40.00	1	1.0	1	**0.86**	**0.35**	79		863.8383	39.501
D0618-07B	2,176,851,327	72,426,151	69,256,981	1.0337	40.00	1	1.0	1	**1.09**	**0.35**	71		1087.3525	35.251
D0618-08B	271,514,005	48,552,434	60,527,074	1.0337	40.00	1	1.0	1	**0.13**	**0.35**	92		129.4591	45.955
D0622-01C	251,412,101	44,868,432	58,935,430	1.0337	40.00	1	1.0	1	**0.13**	**0.35**	97		127.3020	48.421
D0622-02C	192,877,293	48,438,518	48,818,098	1.0337	40.00	1	1.0	1	**0.08**	**0.35**	74		76.3882	37.153
D0622-03C	232,318,620	45,324,364	59,509,715	1.0337	40.00	1	1.0	1	**0.11**	**0.35**	97		108.8407	48.401

TPH (mg/L) =(Total Area - Inter. Area - Surr. Area)* Int C.(ug/ml)*FV(ml)* Dilu.
(Inter. Area* RRF* Sam.(L)* 1000)

0639

MITKEM CORPORATION ORGANIC PREP - SAMPLE PREPARATION: SEMIVOLATILES

Date: 05/31/05	Analysis: TPH		Method # (Aq: 3510C (SepF) Soil: 3550B (Sonic)) 3520C (Liq/Liq) 3540C (Soxhlet) Other:	Matrix: (Aqueous) Soil Wipe Oil Other:	Batch ID: DO618, DO622
Blank ID: MB 18319	LCS ID: 18319	Analyst: MM	Spiked By: MM	Witness: KG	Solvent Name/Lot#: B11E23 CH_2Cl_2	H_2SO_4 Lot#: —	NaOH Lot#: —	Time Started: 9:30
								Time Ended: 13:00

Workorder ID	Sample ID	Sample Wt (g) / Vol (ml)	Initial pH	Surrogate Spike Added	Matrix Spike Added	H2SO4 pH<2	NaOH pH>11	Emulsion	KD Prior to Fractionation Date / Analyst	Fractionation Date / Analyst	Final Concentration Date / Analyst		Final Conc. Volume (ml)	Date Extract Trans.
MB 18319		1000 ml	—	DSW050525B 1 ml	—						06-02-05	UG	1 ml	06-02-05
LCS 18319		↓	↓	↓	DSW050202C 1 ml						↓	↓	↓	↓
LCSD 18319					DSW050202E 1 ml									
DO618	06 B				—									
↓	07 B				↓									
DO618	08 B				MM 05/31/05									
DO622	01 C													
↓	02 C	↓	↓	↓	↓									
DO622	03 C	1000 ml	—	DSW050525B 1 ml	—						06-02-05	UG	1 ml	06-02-05

MM 05/31/05

MM 05/31/05

Comments SS: QVR 050602 C

Sonicator Tuned: Yes (No)

Water Bath Temperature: —

Logbook ID: 50.0147-05/05

Reviewed By:

0640

MITKEM CORPORATION EXTRACT TRANSFER LOGBOOK: SEMIVOLATILE ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred By	Received By	Storage Location	Comments
5/31/05	MB 18314		MM	TS	RM	
↓	LCS 18314		↓	↓	↓	
	DO620	01A				
↓	↓	01A MS	↓	↓	↓	
5/31/05	DO620	01A MSD	MM	TS	RM	
5/31/05	MB 18316		MM	AJ	RT	
↓	LCS 18316		↓	V	↓	
	DO620	01A		V		
↓	↓	01A MS	↓	V	↓	
5/31/05	DO620	01A MSD	MM	AJ	RT	
6/01/05	00581	01E	KG	AJ	RT	
↓	↓	02E	↓	V	↓	
		03E		V		
↓	↓	04E	↓	V	↓	
6/01/05	00581	05E	KG	VAJ	RT	
06/02/05	MB-18319	-	KG	TS	RM	-
↓	LCS-18319	-	↓	↓	↓	↓
	LCSD-18319	-				
	00618	06B				
	↓	07B				
	00618	08B				
	00622	01C				
↓	↓	02C	↓	↓	↓	
06/02/05	00622	03C	KG	TS	RM	
06/02/05	MB-18338		KG			
↓	LCS-18338		↓			
	LCSD-18338					
06/02/05	00623	08B	KG			Refr
06/03/05	00515	16A RE	KG			
↓	↓	17A RE	↓			↓
↓	↓	18A RE	↓			Refr
06/03/05	00515	20A RE	KG			

Reviewed By: _____

Logbook ID 70.0141-04/05

MITKEM CORPORATION: TPH/EPH Run Logbook

Date	Lab ID	Client	Method	Filename		Dilution	yes/no	Comments	Analyst
2/6/3	D0063-02		EPH2	FID88	81		✓		
"	D0063-02		"	"	83		✓		
2/6/3	Anonth ccv		EPH2	FID88	85		✓		
2/8/5	ETPH LIA		ETPH-B	FID88	90		✓		
	LI				92		✓		
	L2				94		✓		
	L3				96		✓		
	L4			FID88	98		✓		
	ETPH L5			FID88	00		✓		
	IBLK			FID88	02		✓		
	IBLK			FID88	91		✓		
	ETPH LIA				03		✓		
	LI				95		✓		
	L2				97		✓		
	L3			FID88	99		✓		
	L4			FID88	01		✓		
2/8/5	ETPH L5		ETPH-B	FID88	03		✓		

Logbook ID: 60.0177-08/04

Reviewed by

Page #: 054

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MITKEM CORPORATION: TPH/EPH Run Logbook

Date	Lab ID		Client	Method	Filename		Dilution	yes/no	Comments	Analyst
6/6/5	1 BLK			ETPH-B	FIE14	31		✓		JS
	ETPH CCV					33		✓		
	~~1BLK MB18319~~ (25)		1BLK			35		✓		
	~~MB 18319 LCS 18319~~		MB18319			37		✓		
	~~LCS 18319 D0618~~	06B	LCS 18319			39		✓		
	~~LCSD 18319~~	07B	LCSD 18319			41		✓		
	~~D0618~~	~~08B~~	D0618-06B			43		✓		
	D0618	07B				45		✓		
	D0618	08B				47		✓		
	D0622	01C				49		✓		
	↓	02C				51		✓		
	D0622	03C				53		✓		
	ETPH CCV					55		✓		
	1 BLK					57		✓		
	MB 18361					59		✓		
↓	LCS 1861					61		✓		
7/6/5	D0609	01A				63		✓		
		MS 01A				65		✓		
		MSD 01A				67		✓		
↓	↓	02A		↓	↓	69		✓		↓
7/6/5	D0609	03A		ETPH-B	FIE14	71		✓		JS

Logbook ID: 60.0177-04/05

Reviewed by

0643

MITKEM CORPORATION

* Metals/Cyanide *

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

SOW No.: ILM04.1

EPA Sample No.	Lab Sample ID.
MW-01	D0618-01
MW-01D	D0618-01DUP
MW-01S	D0618-01MS
MW-06	D0618-05
MW-07	D0618-06
RIN-3	D0618-09

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature

Signature: Name:

Date: 6/16/05 Title:

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-01

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Matrix (soil/water): WATER Lab Sample ID: D0618-01

Level (low/med): MED Date Received: 05/27/05

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	69100			P
7440-36-0	Antimony	4.9	B	N	P
7440-38-2	Arsenic	96.4			P
7440-39-3	Barium	3690		E	P
7440-41-7	Beryllium	4.1	B		P
7440-43-9	Cadmium	2.5	B		P
7440-70-2	Calcium	335000			P
7440-47-3	Chromium	95.7			P
7440-48-4	Cobalt	89.1		E	P
7440-50-8	Copper	196			P
7439-89-6	Iron	134000		E	P
7439-92-1	Lead	144		E	P
7439-95-4	Magnesium	87000		E	P
7439-96-5	Manganese	10300		E	P
7440-02-0	Nickel	151		E	P
7440-09-7	Potassium	11500			P
7782-49-2	Selenium	3.0	U	N	P
7440-22-4	Silver	0.70	U	N	P
7440-23-5	Sodium	130000			P
7440-28-0	Thallium	4.0	B		P
7440-62-2	Vanadium	82.5		E	P
7440-66-6	Zinc	413		E	P
7439-97-6	Mercury	0.13	U		CV
	Cyanide	2.0	U		CA

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-06

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Matrix (soil/water): WATER Lab Sample ID: D0618-05

Level (low/med): MED Date Received: 05/27/05

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	828			P
7440-36-0	Antimony	2.0	U	N	P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	381		E	P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	133000			P
7440-47-3	Chromium	1.0	B		P
7440-48-4	Cobalt	1.3	B	E	P
7440-50-8	Copper	1.7	B		P
7439-89-6	Iron	1170		E	P
7439-92-1	Lead	0.90	U	E	P
7439-95-4	Magnesium	29200		E	P
7439-96-5	Manganese	98.8		E	P
7440-02-0	Nickel	2.5	B	E	P
7440-09-7	Potassium	1830	B		P
7782-49-2	Selenium	3.0	U	N	P
7440-22-4	Silver	0.70	U	N	P
7440-23-5	Sodium	52000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	0.94	B	E	P
7440-66-6	Zinc	10.2	B	E	P
7439-97-6	Mercury	0.13	U		CV
	Cyanide	2.0	U		CA

Color Before: COLORLES Clarity Before: CLOUDY Texture:

Color After: COLORLES Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

MW-07

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Matrix (soil/water): WATER Lab Sample ID: D0618-06

Level (low/med): MED Date Received: 05/27/05

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17700			P
7440-36-0	Antimony	4.1	B	N	P
7440-38-2	Arsenic	32.4			P
7440-39-3	Barium	942		E	P
7440-41-7	Beryllium	0.92	B		P
7440-43-9	Cadmium	0.63	B		P
7440-70-2	Calcium	191000			P
7440-47-3	Chromium	25.0			P
7440-48-4	Cobalt	17.0	B	E	P
7440-50-8	Copper	49.1			P
7439-89-6	Iron	40500		E	P
7439-92-1	Lead	50.9		E	P
7439-95-4	Magnesium	42000		E	P
7439-96-5	Manganese	3330		E	P
7440-02-0	Nickel	31.1	B	E	P
7440-09-7	Potassium	7510			P
7782-49-2	Selenium	3.0	U	N	P
7440-22-4	Silver	0.70	U	N	P
7440-23-5	Sodium	91700			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	31.7	B	E	P
7440-66-6	Zinc	154		E	P
7439-97-6	Mercury	0.13	U		CV
	Cyanide	2.0	U		CA

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLOUDY Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
RTN-3

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Matrix (soil/water): WATER Lab Sample ID: D0618-09

Level (low/med): MED Date Received: 05/27/05

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	70.8	B		P
7440-36-0	Antimony	2.0	U	N	P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	2.9	B	E	P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	134	B		P
7440-47-3	Chromium	0.50	U		P
7440-48-4	Cobalt	0.87	B	E	P
7440-50-8	Copper	2.4	B		P
7439-89-6	Iron	36.5	B	E	P
7439-92-1	Lead	1.0	B	E	P
7439-95-4	Magnesium	44.4	B	E	P
7439-96-5	Manganese	2.5	B	E	P
7440-02-0	Nickel	1.2	B	E	P
7440-09-7	Potassium	55	U		P
7782-49-2	Selenium	3.0	U	N	P
7440-22-4	Silver	0.70	U	N	P
7440-23-5	Sodium	62.0	B		P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	0.40	U	E	P
7440-66-6	Zinc	9.1	B	E	P
7439-97-6	Mercury	0.13	U		CV
	Cyanide	2.0	U		CA

Color Before: COLORLES Clarity Before: CLEAR Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury	2.0	1.98	99.0	5.0	5.04	100.9	5.07	101.5	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Mercury				5.0	5.11	102.2			CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Cyanide	250.0	254.71	101.9	200.0	200.66	100.3	202.23	101.1	CA

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Cyanide				200.0	203.54	101.8	203.19	101.6	CA

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum	15000.0	15226.19	101.5	10000.0	10173.05	101.7	9992.28	99.9	P
Antimony	750.0	785.07	104.7	500.0	506.58	101.3	504.52	100.9	P
Arsenic	750.0	771.56	102.9	500.0	519.18	103.8	514.37	102.9	P
Barium	15000.0	15823.21	105.5	10000.0	10773.20	107.7	10851.40	108.5	P
Beryllium	375.0	390.24	104.1	250.0	262.03	104.8	263.59	105.4	P
Cadmium	375.0	382.41	102.0	250.0	261.62	104.6	257.97	103.2	P
Calcium	37500.0	38695.19	103.2	25000.0	25782.87	103.1	25587.27	102.3	P
Chromium	1500.0	1547.90	103.2	1000.0	1046.22	104.6	1034.19	103.4	P
Cobalt	3750.0	3874.67	103.3	2500.0	2623.32	104.9	2595.03	103.8	P
Copper	1875.0	1935.73	103.2	1250.0	1292.66	103.4	1296.75	103.7	P
Iron	7500.0	7620.02	101.6	5000.0	5210.31	104.2	5114.04	102.3	P
Lead	750.0	766.75	102.2	500.0	522.21	104.4	520.63	104.1	P
Magnesium	37500.0	38793.98	103.5	25000.0	26469.55	105.9	25940.64	103.8	P
Manganese	3750.0	3901.22	104.0	2500.0	2634.12	105.4	2604.59	104.2	P
Nickel	3750.0	3860.92	103.0	2500.0	2610.74	104.4	2579.24	103.2	P
Selenium	750.0	757.44	101.0	500.0	513.05	102.6	510.48	102.1	P
Silver	1875.0	1755.99	93.7	1250.0	1133.13	90.7	1164.31	93.1	P
Thallium	750.0	763.92	101.9	500.0	523.06	104.6	519.83	104.0	P
Vanadium	3750.0	3893.53	103.8	2500.0	2608.26	104.3	2622.76	104.9	P
Zinc	3750.0	3904.03	104.1	2500.0	2670.34	106.8	2635.64	105.4	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	10177.11	101.8	9993.50	99.9	P
Antimony				500.0	506.63	101.3	497.12	99.4	P
Arsenic				500.0	510.17	102.0	501.29	100.3	P
Barium				10000.0	10923.18	109.2	10787.92	107.9	P
Beryllium				250.0	263.50	105.4	259.81	103.9	P
Cadmium				250.0	259.41	103.8	256.82	102.7	P
Calcium				25000.0	25837.55	103.4	25285.82	101.1	P
Chromium				1000.0	1040.87	104.1	1033.30	103.3	P
Cobalt				2500.0	2585.97	103.4	2570.66	102.8	P
Copper				1250.0	1301.15	104.1	1283.35	102.7	P
Iron				5000.0	5201.34	104.0	5105.65	102.1	P
Lead				500.0	526.59	105.3	522.41	104.5	P
Magnesium				25000.0	26192.64	104.8	25732.04	102.9	P
Manganese				2500.0	2599.66	104.0	2588.82	103.6	P
Nickel				2500.0	2560.17	102.4	2551.52	102.1	P
Selenium				500.0	508.81	101.8	499.78	100.0	P
Silver				1250.0	1163.18	93.1	1171.78	93.7	P
Thallium				500.0	525.46	105.1	518.78	103.8	P
Vanadium				2500.0	2630.59	105.2	2592.71	103.7	P
Zinc				2500.0	2661.44	106.5	2641.93	105.7	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	9924.97	99.2	10211.56	102.1	P
Antimony				500.0	510.31	102.1	509.85	102.0	P
Arsenic				500.0	514.67	102.9	512.47	102.5	P
Barium				10000.0	10881.25	108.8	10939.39	109.4	P
Beryllium				250.0	263.04	105.2	264.01	105.6	P
Cadmium				250.0	257.97	103.2	263.13	105.3	P
Calcium				25000.0	25557.42	102.2	25636.39	102.5	P
Chromium				1000.0	1034.34	103.4	1055.34	105.5	P
Cobalt				2500.0	2578.27	103.1	2625.26	105.0	P
Copper				1250.0	1287.73	103.0	1289.58	103.2	P
Iron				5000.0	5102.84	102.1	5268.05	105.4	P
Lead				500.0	526.78	105.4	531.63	106.3	P
Magnesium				25000.0	25813.82	103.3	26589.75	106.4	P
Manganese				2500.0	2592.53	103.7	2639.68	105.6	P
Nickel				2500.0	2554.00	102.2	2599.36	104.0	P
Selenium				500.0	508.92	101.8	509.73	101.9	P
Silver				1250.0	1182.73	94.6	1185.79	94.9	P
Thallium				500.0	526.90	105.4	530.50	106.1	P
Vanadium				2500.0	2615.50	104.6	2622.50	104.9	P
Zinc				2500.0	2661.02	106.4	2724.27	109.0	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Sodium	37500.0	38310.44	102.2	25000.0	25588.19	102.4	26506.16	106.0	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Sodium				25000.0	26704.18	106.8			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Potassium	37500.0	37748.90	100.7	25000.0	25322.09	101.3	25942.12	103.8	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Milkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

	Initial Calibration			Continuing Calibration					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Potassium				25000.0	25913.44	103.7			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
Analyte	True	Found	%R	True	Found	%R	Found	%R
Mercury	0.2	0.21	106.9					

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
Analyte	True	Found	%R	True	Found	%R	Found	%R
Antimony				120.0	133.01	110.8	129.95	108.3
Arsenic				20.0	19.67	98.4	20.5	102.5
Beryllium				10.0	10.18	101.8	10.15	101.5
Cadmium				10.0	10.57	105.7	10.55	105.5
Chromium				20.0	20.72	103.6	20.68	103.4
Cobalt				100.0	107.9	107.9	106.53	106.5
Copper				50.0	55.3	110.6	51.94	103.9
Lead				6.0	7.49	124.9	7.43	123.8
Manganese				30.0	32.79	109.3	32.92	109.7
Nickel				80.0	87.81	109.8	84.54	105.7
Selenium				10.0	11.34	113.4	8.89	88.9
Silver				20.0	25.67	128.4	19.63	98.2
Thallium				20.0	21.33	106.6	22.05	110.3
Vanadium				100.0	103.74	103.7	103.41	103.4
Zinc				40.0	52	130.0	49.97	124.9

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
Analyte	True	Found	%R	True	Found	%R	Found	%R
Antimony				120.0			130.53	108.8
Arsenic				20.0			18.66	93.3
Beryllium				10.0			10.24	102.4
Cadmium				10.0			10.55	105.5
Chromium				20.0			20.93	104.7
Cobalt				100.0			106.9	106.9
Copper				50.0			53.06	106.1
Lead				6.0			6.91	115.1
Manganese				30.0			32.99	110.0
Nickel				80.0			87.19	109.0
Selenium				10.0			9.54	95.4
Silver				20.0			19.75	98.8
Thallium				20.0			21.99	110.0
Vanadium				100.0			104.72	104.7
Zinc				40.0			50.79	127.0

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
Analyte	True	Found	%R	True	Found	%R	Found	%R
Antimony				120.0			132.14	110.1
Arsenic				20.0			20.2	101.0
Beryllium				10.0			10.39	103.9
Cadmium				10.0			10.69	106.9
Chromium				20.0			21.22	106.1
Cobalt				100.0			107.92	107.9
Copper				50.0			54.29	108.6
Lead				6.0			7.3	121.6
Manganese				30.0			32.98	109.9
Nickel				80.0			87.43	109.3
Selenium				10.0			12.07	120.7
Silver				20.0			19.97	99.9
Thallium				20.0			21.39	107.0
Vanadium				100.0			105.51	105.5
Zinc				40.0			52.79	132.0

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Mercury	0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Cyanide	2.0	U	2.0	U	2.4	B	2.9	B	2.000	U	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Cyanide			2.0	U							CA

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	18.0	U	32.6	B	18.5	B	109.0	B	31.619	B	
Antimony	3.8	B	5.4	B	4.8	B	4.1	B	2.035	B	
Arsenic	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	
Barium	3.8	B	3.1	B	1.7	B	2.5	B	2.655	B	
Beryllium	0.2	U	0.2	U	0.2	U	0.2	U	0.200	U	
Cadmium	0.2	U	0.2	U	0.2	U	0.3	B	0.200	U	
Calcium	50.0	U	52.1	B	50.0	U	169.9	B	123.041	B	
Chromium	0.5	U	0.5	U	0.5	U	0.5	U	0.500	U	
Cobalt	1.5	B	1.5	B	0.6	B	1.1	B	1.102	B	
Copper	4.2	B	5.0	B	2.5	B	4.4	B	7.762	B	
Iron	4.0	B	22.7	B	19.0	B	73.9	B	70.930	B	
Lead	0.9	U	0.9	U	0.9	U	1.3	B	0.900	U	
Magnesium	20.4	B	175.6	B	36.6	B	250.8	B	98.997	B	
Manganese	1.2	B	0.9	B	1.6	B	1.1	B	2.549	B	
Nickel	1.5	B	1.8	B	0.9	B	1.6	B	1.750	B	
Selenium	3.0	U	3.0	U	3.0	U	3.0	U	3.000	U	
Silver	8.3	B	1.5	B	0.7	U	0.8	B	3.735	B	
Thallium	2.0	U	2.0	U	2.0	U	2.0	U	2.000	U	
Vanadium	1.1	B	0.5	B	0.4	U	0.5	B	0.400	U	
Zinc	8.9	B	9.3	B	7.3	B	8.8	B	15.240	B	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			24.9	B	21.0	B	56.6	B			P
Antimony			5.0	B	4.2	B	6.0	B			P
Arsenic			2.0	U	2.0	U	2.0	U			P
Barium			4.1	B	2.1	B	3.7	B			P
Beryllium			0.2	U	0.2	U	0.2	U			P
Cadmium			0.2	U	0.2	U	0.2	U			P
Calcium			60.3	B	50.0	U	84.5	B			P
Chromium			0.5	U	0.5	U	0.5	U			P
Cobalt			1.2	B	0.7	B	1.2	B			P
Copper			6.6	B	3.8	B	4.6	B			P
Iron			18.1	B	5.5	B	28.6	B			P
Lead			1.6	B	0.9	U	0.9	U			P
Magnesium			62.2	B	29.6	B	143.3	B			P
Manganese			1.8	B	0.5	B	0.7	B			P
Nickel			1.5	B	1.0	B	2.0	B			P
Selenium			3.0	U	3.0	U	3.0	U			P
Silver			0.9	B	0.7	U	0.7	U			P
Thallium			2.0	U	2.0	U	2.0	U			P
Vanadium			1.2	B	0.4	U	0.4	U			P
Zinc			13.7	B	10.7	B	12.0	B			P

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Sodium	32.0	U	35.1	B	61.0	B	32.0	U	32.000	U	

U.S. EPA - CLP

3
BLANKS

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Potassium	55.0	U	55.0	U	72.2	B	55.0	U	55.000	U	

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

ICP ID Number: OPTIMA2 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Aluminum	500000	500000	464000	476000.0	95.1	468000	472000.0	94.3
Antimony	0	600	8	603.0	100.5	6	603.0	100.6
Arsenic	0	100	-3	89.0	89.0	-6	88.9	88.9
Barium	0	500	-3	483.0	96.7	-3	492.0	98.4
Beryllium	0	500	0	466.0	93.2	0	463.0	92.6
Cadmium	0	1000	4	861.0	86.1	4	869.0	86.9
Calcium	500000	500000	477000	485000.0	96.9	480000	489000.0	97.7
Chromium	0	500	1	455.0	91.1	1	460.0	91.9
Cobalt	0	500	-1	437.0	87.4	-1	437.0	87.4
Copper	0	500	-3	474.0	94.7	-5	476.0	95.1
Iron	200000	200000	164000	167000.0	83.4	165000	168000.0	83.9
Lead	0	50	0	44.2	88.4	1	43.8	87.6
Magnesium	500000	500000	445000	458000.0	91.7	450000	451000.0	90.2
Manganese	0	500	4	471.0	94.1	3	471.0	94.2
Nickel	0	1000	-4	854.0	85.4	-4	854.0	85.4
Selenium	0	50	0	43.9	87.8	2	44.7	89.4
Silver	0	200	3	189.0	94.6	1	187.0	93.5
Thallium	0	100	0	84.7	84.7	0	85.1	85.1
Vanadium	0	500	0	467.0	93.4	0	472.0	94.5
Zinc	0	1000	11	864.0	86.4	10	873.0	87.3

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

ICP ID Number: OPTIMA2 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	464000	472000.0	94.3	469000	472000.0	94.5
Antimony	0	600	8	604.0	100.7	8	609.0	101.5
Arsenic	0	100	-4	86.2	86.2	-5	85.7	85.7
Barium	0	500	-3	488.0	97.7	-3	488.0	97.7
Beryllium	0	500	0	462.0	92.4	0	470.0	94.1
Cadmium	0	1000	4	864.0	86.4	3	866.0	86.6
Calcium	500000	500000	482000	485000.0	96.9	482000	476000.0	95.2
Chromium	0	500	1	457.0	91.4	1	456.0	91.2
Cobalt	0	500	-1	434.0	86.9	-2	434.0	86.7
Copper	0	500	-5	471.0	94.3	-5	466.0	93.3
Iron	200000	200000	165000	168000.0	83.9	168000	169000.0	84.6
Lead	0	50	1	44.0	88.0	-4	42.2	84.4
Magnesium	500000	500000	445000	452000.0	90.4	454000	460000.0	91.9
Manganese	0	500	3	470.0	94.0	3	468.0	93.5
Nickel	0	1000	-4	851.0	85.1	-4	848.0	84.8
Selenium	0	50	0	45.4	90.8	1	42.2	84.4
Silver	0	200	0	187.0	93.3	1	186.0	93.2
Thallium	0	100	1	85.8	85.8	1	87.5	87.5
Vanadium	0	500	0	468.0	93.6	0	466.0	93.2
Zinc	0	1000	11	871.0	87.1	11	880.0	88.0

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Sodium	0	0	62	98.1		63	78.0	

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

ICP ID Number: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Potassium	0	0	79	92.5		26	113.0	

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
MW-01

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		72065.1194		69122.3610		2000.00	147.1		P
Antimony	75-125	77.2747		4.9304	B	100.00	72.3	N	P
Arsenic	75-125	140.0750		96.4398		40.00	109.1		P
Barium	75-125	5854.6637		3692.2255		2000.00	108.1		P
Beryllium	75-125	56.1763		4.1023	B	50.00	104.1		P
Cadmium	75-125	7.4189		2.4743	B	5.00	98.9		P
Chromium	75-125	296.3930		95.6942		200.00	100.3		P
Cobalt	75-125	589.4708		89.1342		500.00	100.1		P
Copper	75-125	455.8657		195.8378		250.00	104.0		P
Iron		138522.0534		133886.1308		1000.00	463.6		P
Lead		163.7570		143.5977		20.00	100.8		P
Manganese		10836.8465		10312.6660		500.00	104.8		P
Nickel	75-125	652.0490		151.4299		500.00	100.1		P
Selenium	75-125	3.0000	U	3.0000	U	10.00	0.0	N	P
Silver	75-125	14.1877		0.7000	U	50.00	28.4	N	P
Thallium	75-125	51.7860		4.0282	B	50.00	95.5		P
Vanadium	75-125	600.5258		82.5240		500.00	103.6		P
Zinc	75-125	919.8124		412.8199		500.00	101.4		P
Mercury	75-125	1.0331		0.1320	U	1.00	103.3		CV

Comments:

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
MW-01

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cyanide	75-125	94.2470		2.0000	U	100.00	94.2		CA

Comments:

FORM V (Part 1) - IN ILM04.1

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
MW-01

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Matrix (soil/water): WATER Level (low/med): MED

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		94.07		4.93	B	120.0	74.3		P
Selenium		11.02		3.00	U	10.0	110.2		P

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO
MW-01

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		69122.3610		68112.2937		1.5		P
Antimony		4.9304	B	3.8181	B	25.4		P
Arsenic		96.4398		94.6458		1.9		P
Barium		3692.2255		3656.3874		1.0		P
Beryllium		4.1023	B	3.9926	B	2.7		P
Cadmium		2.4743	B	2.0265	B	19.9		P
Calcium		335148.5588		326018.9385		2.8		P
Chromium		95.6942		92.5349		3.4		P
Cobalt	50.0	89.1342		87.8658		1.4		P
Copper		195.8378		176.6452		10.3		P
Iron		133886.1308		133208.9638		0.5		P
Lead		143.5977		141.0842		1.8		P
Magnesium		86992.8213		85410.8642		1.8		P
Manganese		10312.6660		10087.5445		2.2		P
Nickel	40.0	151.4299		149.7736		1.1		P
Potassium	5000.0	11457.9729		11266.8039		1.7		P
Selenium		3.0000	U	3.0000	U			P
Silver		0.7000	U	0.7000	U			P
Sodium		130024.7030		125276.9634		3.7		P
Thallium		4.0282	B	3.1422	B	24.7		P
Vanadium	50.0	82.5240		81.2259		1.6		P
Zinc		412.8199		402.2913		2.6		P
Mercury		0.1320	U	0.1320	U			CV
Cyanide		2.0000	U	2.0000	U			CA

7
LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Solid LCS Source:

Aqueous LCS Source:

LCS-18366

	Aqueous (ug/L)			Solid (mg/kg)				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Aluminum	9100.0	9147.82	100.5					
Antimony	455.0	489.75	107.6					
Arsenic	455.0	461.98	101.5					
Barium	9100.0	9732.48	107.0					
Beryllium	227.0	240.83	106.1					
Cadmium	227.0	231.14	101.8					
Calcium	22700.0	23359.40	102.9					
Chromium	910.0	930.45	102.2					
Cobalt	2270.0	2367.75	104.3					
Copper	1130.0	1191.50	105.4					
Iron	4550.0	4650.31	102.2					
Lead	455.0	470.87	103.5					
Magnesium	22700.0	23712.40	104.5					
Manganese	2270.0	2375.15	104.6					
Nickel	2270.0	2350.94	103.6					
Potassium	22700.0	22571.54	99.4					
Selenium	455.0	460.26	101.2					
Silver	1130.0	1077.19	95.3					
Sodium	22700.0	22907.98	100.9					
Thallium	455.0	468.22	102.9					
Vanadium	2270.0	2396.45	105.6					
Zinc	2270.0	2402.94	105.9					

9

ICP SERIAL DILUTIONS

MW-01

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Matrix (soil/water): WATER Level (low/med): MED

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	69122.36		72060.58		4.3		P
Antimony	4.93	J	10.00	U	102.8		P
Arsenic	96.44		97.99		1.6		P
Barium	3692.23		4072.29		10.3	E	P
Beryllium	4.10	J	4.44	J	8.3		P
Cadmium	2.47	J	1.60	J	35.2		P
Calcium	335148.56		346205.55		3.3		P
Chromium	95.69		104.54		9.2		P
Cobalt	89.13		101.08	J	13.4	E	P
Copper	195.84		202.71		3.5		P
Iron	133886.13		152724.17		14.1	E	P
Lead	143.60		158.75		10.6	E	P
Magnesium	86992.82		97815.07		12.4	E	P
Manganese	10312.67		11763.23		14.1	E	P
Nickel	151.43		171.65	J	13.4	E	P
Potassium	11457.97		11745.78	J	2.5		P
Selenium	3.00	U	15.00	U			P
Silver	0.70	U	3.50	U			P
Sodium	130024.70		138273.85		6.3		P
Thallium	4.03	J	10.00	U	148.1		P
Vanadium	82.52		91.08	J	10.4	E	P
Zinc	412.82		472.73		14.5	E	P

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10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

ICP ID Number: Date: 04/01/05

Flame AA ID Number: FIMS1 TestCode: ILM4.1 HG W

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (UG/L)	IDL (UG/L)	M
Mercury	253.70		0.2	0.1	CV

Comments:

FORM X - IN ILM04.1

U.S. EPA - CLP

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

ICP ID Number: Date: 04/01/05

Flame AA ID Number: LACHAT1 TestCode: ILM4.1_CN_W

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (UG/L)	IDL (UG/L)	M
Cyanide			10	2.0	CA

Comments:

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10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

ICP ID Number: OPTIMA2 Date: 04/01/05

Flame AA ID Number: TestCode: ILM4.1_ICP_W

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (UG/L)	IDL (UG/L)	M
Aluminum	308.21		200	18.0	P
Antimony	206.83		60	2.0	P
Arsenic	188.98		10	2.0	P
Barium	233.53		200	0.4	P
Beryllium	313.11		5.0	0.2	P
Cadmium	226.50		5.0	0.2	P
Calcium	227.54		5000	50.0	P
Chromium	267.72		10	0.5	P
Cobalt	228.62		50	0.4	P
Copper	324.75		25	1.0	P
Iron	273.96		100	4.0	P
Lead	220.35		3.0	0.9	P
Magnesium	279.08		5000	9.0	P
Manganese	257.61		15	0.4	P
Nickel	231.60		40	0.7	P
Selenium	196.03		5.0	3.0	P
Silver	328.07		10	0.7	P
Thallium	190.80		10	2.0	P
Vanadium	292.40		50	0.4	P
Zinc	206.20		20	2.0	P

Comments:

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10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

ICP ID Number: OPTIMA3 Date: 04/01/05

Flame AA ID Number: TestCode: ILM4.1 ICP_W

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (UG/L)	IDL (UG/L)	M
Potassium	766.49		5000	55.0	P
Sodium	589.59		5000	32.0	P

Comments:

U.S. EPA - CLP

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

ICP ID Number: OPTIMA2 Date: 03/30/2005

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	308.21		0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0174150	-0.0031006	0.1190830	0.0081035	5.7478200
Arsenic	188.97	0.0728007	0.0000000	0.0111660	0.0111660	-5.3346900
Barium	233.52	0.0046014	0.0068611	0.1471710	0.0036820	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	-0.0035740	0.0000000	0.0664913	0.0000000	0.0000000
Calcium	227.54	-0.5000390		12.8307000	0.0000000	5.5746300
Chromium	267.71	0.0000000	0.0000000	0.0000000	0.0000000	
Cobalt	228.61	0.0000000	0.0000000	0.0250613	0.0000000	-0.0557816
Copper	324.75	0.0072906	0.0039852	-0.1106930	0.0033097	0.1265570
Iron	273.95	0.0000000	0.0000000		0.0000000	0.0000000
Lead	220.35	-0.2678550	-0.0170279	-0.0228521	0.0021432	-0.1462470
Magnesium	279.07	0.0000000	0.0000000	-0.3250520		0.0000000
Manganese	257.61	-0.0388603	0.0047481	-0.5591400	0.0077324	-0.5826900
Nickel	231.60	0.0000000	0.0000000	0.0000302	0.0000000	0.0000000
Selenium	196.02	-0.0555964	-0.0182908	-0.0004092	-0.0058448	-0.0625148
Silver	328.06	0.3719790	0.5376300	-0.0000575	0.0509589	0.1291050
Sodium	330.24	0.3088000	0.5913160	-1.5536100	0.0000000	0.0000000
Thallium	190.80	0.0623562	-0.0110972	0.0000000	0.0062609	0.1560700
Vanadium	292.40	0.0000000	0.0000000	-0.0108800	-0.0030049	-1.6625200
Zinc	206.2	0.0105770	0.0063648	0.0243549	0.0478891	-2.4316200

Comments:

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11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

ICP ID Number: OPTIMA2 Date: 03/30/2005

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cu	Mn	Ni	Tl	Ti
Aluminum	308.21	0.0000000	3.5113200	0.0000000	0.0000000	7.7972300
Antimony	206.83	0.0635122	0.0000000	-0.6345370	0.0000000	0.0000000
Arsenic	188.97	0.0950247	0.0943115	0.0353420	0.0000000	0.0000000
Barium	233.52	0.0000000	0.0000000	0.0363350	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	-1.3160900
Cadmium	226.50	0.0000000	0.0000000	-0.2330110	0.0000000	0.0000000
Calcium	227.54	15.2080000	4.8753100	26.9670000	0.0000000	9.7776700
Chromium	267.71	0.3955010	0.5395740	0.0680176	0.1064640	0.3212980
Cobalt	228.61	0.0000000	0.0000000	0.1294980	0.0000000	1.6297500
Copper	324.75		0.7489700	0.1716190	0.2134400	0.6450550
Iron	273.95	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	-0.0913612	0.0505016	-0.6345370	0.0000000	-0.5608130
Magnesium	279.07	0.0000000	-17.7574000	0.0000000	0.0000000	-7.9278400
Manganese	257.61	0.0000000		0.0224954	0.1603130	0.4882460
Nickel	231.60	0.0000000	0.0000000		0.9385730	1.7139400
Selenium	196.02	0.0619276	0.6810920	0.0000000	0.0000000	0.0000000
Silver	328.06	0.1111620	0.0927470	0.0262930	0.0894754	0.0000000
Sodium	330.24	-11.2798000	0.0000000	0.0000000	0.0000000	-588.4260000
Thallium	190.80	0.0000000	-1.3575900	-0.0201988		0.5053050
Vanadium	292.40	0.0000000	-0.0678184	0.0000000	0.0000000	0.2716680
Zinc	206.2	0.0000000	0.1280170	0.0329218	0.2110700	0.5658720

Comments:

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11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

ICP ID Number: OPTIMA2 Date: 03/30/2005

Analyte	Wave-length (nm)	Interelement Correction Factors for: V			
Aluminum	308.21	14.9737000			
Antimony	206.83	-1.4152400			
Arsenic	188.97	0.0696804			
Barium	233.52	0.5825770			
Beryllium	313.10	0.0000000			
Cadmium	226.50	0.0000000			
Calcium	227.54	42.7958000			
Chromium	267.71	-0.1479760			
Cobalt	228.61	0.0000000			
Copper	324.75	-0.2133690			
Iron	273.95	58.8950000			
Lead	220.35	-0.0935740			
Magnesium	279.07	-1.7446300			
Manganese	257.61	-0.1035920			
Nickel	231.60	0.1378080			
Selenium	196.02	0.2808450			
Silver	328.06	-1.0256500			
Sodium	330.24	0.0000000			
Thallium	190.80	2.1012200			
Vanadium	292.40				
Zinc	206.2	0.0217066			

Comments:

U.S. EPA - CLP

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

ICP ID Number: OPTIMA3 Date: 03/30/2005

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	308.21		0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	-0.0517312	0.0000000	15.4803000
Arsenic	188.97	0.0045356	0.0024744	-0.0285871	0.0092064	0.1871210
Barium	233.52	0.0025226	0.0068006	0.0333679	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0411486	0.0000000	0.0000000
Calcium	227.54	0.0000000		27.1137000	0.2574310	4.3574700
Chromium	267.71	0.0000000	0.0021322	-0.0049863	0.0000000	
Cobalt	228.61	0.0000000	0.0000000	0.0222111	0.0000000	-0.0728049
Copper	324.75	0.0134956	0.0000000	-0.2539560	-0.0033103	-0.0915122
Iron	273.95	0.0000000	0.0000000		0.0000000	0.0000000
Lead	220.35	-0.0876746	-0.0229064	0.0293723	0.0033855	-0.0939601
Magnesium	279.07	0.0000000	0.0000000	0.6940750		0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0238222	-0.0405452
Nickel	231.60	0.0000000	0.0031128	0.0185769	0.0000000	0.0000000
Selenium	196.02	-0.0296877	-0.0209754	-0.1962320	-0.0169028	0.0432675
Silver	328.06	0.3670370	0.5515260	0.0549539	0.0058626	0.0000000
Sodium	330.24	0.0721289	1.6032800	-1.5017600	-0.0869609	10.6933000
Thallium	190.80	0.0000000	0.0099136	-0.0481012	-0.0155318	0.2873470
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	-2.5362100
Zinc	206.2	0.0055655	0.0000000	0.0134116	0.0450133	-3.7838400

Comments:

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11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

ICP ID Number: OPTIMA3 Date: 03/30/2005

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cu	Mn	Ni	Tl	Ti
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0782287	-0.1102270	-0.8122530	0.0000000	0.2031080
Arsenic	188.97	0.0000000	0.0000000	0.0186825	-0.0952024	0.0000000
Barium	233.52	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	-1.1853200
Cadmium	226.50	0.0000000	0.0000000	-0.2560290	0.0000000	0.0000000
Calcium	227.54	9.2404200	4.8478000	45.3181000	0.0000000	6.0943300
Chromium	267.71	0.0000000	0.2669770	0.0000000	0.0000000	0.1082320
Cobalt	228.61	0.0000000	0.0000000	0.0935109	0.0000000	2.1801300
Copper	324.75		0.0000000	0.0000000	0.0865919	0.1871190
Iron	273.95	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.2515750	0.1073900	0.0000000	0.0000000	-0.1902580
Magnesium	279.07	0.0000000	-3.4112600	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000		0.0000000	0.1517340	0.5352630
Nickel	231.60	0.0000000	0.0507419		0.2032970	0.0014408
Selenium	196.02	-0.0634704	0.8209090	0.0315190	-0.1350020	-0.1919800
Silver	328.06	0.0000000	0.0774532	-0.0602150	-0.0850740	0.3390440
Sodium	330.24	-4.8099800	0.0000000	2.6787200	-4.5025700	380.7280000
Thallium	190.80	0.0000000	-2.3409500	0.0450492		0.7407530
Vanadium	292.40	0.0000000	-0.0539501	0.0000000	0.0000000	0.6419912
Zinc	206.2	0.0000000	0.3582140	0.0000000	0.1493410	0.4049780

Comments:

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11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

ICP ID Number: OPTIMA3 Date: 03/30/2005

Analyte	Wave-length (nm)	Interelement Correction Factors for: V			
Aluminum	308.21	-24.1150000			
Antimony	206.83	-0.1104220			
Arsenic	188.97	0.1568980			
Barium	233.52	-0.6748410			
Beryllium	313.10	-0.0346689			
Cadmium	226.50	0.0000000			
Calcium	227.54	58.0892000			
Chromium	267.71	-0.3813230			
Cobalt	228.61	0.0000000			
Copper	324.75	-0.1314340			
Iron	273.95	30.6163000			
Lead	220.35	-0.0674069			
Magnesium	279.07	0.0000000			
Manganese	257.61	-0.0342472			
Nickel	231.60	0.0000000			
Selenium	196.02	-0.0783879			
Silver	328.06	-5.7249500			
Sodium	330.24	3.2989700			
Thallium	190.80	0.0000000			
Vanadium	292.40				
Zinc	206.2	0.0000000			

Comments:

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12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

ICP ID Number: OPTIMA2 Date: 04/01/2005

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	0.20	500000	P
Antimony	0.20	25000	P
Arsenic	0.20	25000	P
Barium	0.20	50000	P
Beryllium	0.20	1000	P
Cadmium	0.20	10000	P
Calcium	0.20	500000	P
Chromium	0.20	25000	P
Cobalt	0.20	50000	P
Copper	0.20	25000	P
Iron	0.20	300000	P
Lead	0.20	50000	P
Magnesium	0.20	500000	P
Manganese	0.20	25000	P
Nickel	0.20	50000	P
Selenium	0.20	25000	P
Silver	0.20	2500	P
Thallium	0.20	25000	P
Vanadium	0.20	50000	P
Zinc	0.20	25000	P

Comments:

U.S. EPA - CLP

12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

ICP ID Number: OPTIMA3 Date: 04/01/2005

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Potassium	0.20	250000	P
Sodium	0.20	250000	P

Comments:

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSW	06/02/05		50
MW-01	06/02/05		50
MW-01D	06/02/05		50
MW-01S	06/02/05		50
MW-06	06/02/05		50
MW-07	06/02/05		50
PBW	06/02/05		50
RIN-3	06/02/05		50

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
MW-01	06/02/05		132
MW-01D	06/02/05		132
MW-01S	06/02/05		132
MW-06	06/02/05		130
MW-07	06/02/05		134
PBW	06/02/05		100
RIN-3	06/02/05		132

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Method: CA

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
MW-01	06/06/05		50
MW-01D	06/06/05		50
MW-01S	06/06/05		50
MW-06	06/06/05		50
MW-07	06/06/05		50
PBW	06/06/05		50
RIN-3	06/06/05		50

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Instrument ID Number: FIMS1 Method: CV

Start Date: 06/03/2005 End Date: 06/03/2005

EPA Sample No.	D/F	Time	% R	Analytes																										
				ALL	BAS	BAE	CDA	CAO	CRU	CUE	FBG	PBG	MNG	HG	NI	K	SE	AGA	NAL	TV	ZN	CN								
S0	1.00	0941												X																
S0.2	1.00	0942												X																
S1.0	1.00	0943												X																
S2.0	1.00	0945												X																
S5.0	1.00	0946												X																
S10.0	1.00	0947												X																
ICV	1.00	0949												X																
ICB	1.00	0950												X																
CRA	1.00	0951												X																
CCV	1.00	0953												X																
CCB	1.00	0954												X																
PBW	1.00	0955												X																
ZZZZZZ	1.00	0957																												
MW-01	1.00	0958												X																
MW-01D	1.00	0959												X																
MW-01S	1.00	1001												X																
CCV	1.00	1002												X																
CCB	1.00	1003												X																
MW-06	1.00	1005												X																
MW-07	1.00	1006												X																
RIN-3	1.00	1007												X																
ZZZZZZ	1.00	1009																												
ZZZZZZ	10.00	1010																												
ZZZZZZ	1.00	1011																												
ZZZZZZ	1.00	1013																												
ZZZZZZ	1.00	1014																												
CCV	1.00	1015												X																
CCB	1.00	1017												X																

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Instrument ID Number: LACHAT1 Method: CA

Start Date: 06/07/2005 End Date: 06/07/2005

EPA Sample No.	D/F	Time	% R	Analytes: ALBSSAABBCCCCCCFPMMHNKSAANTVZCN
S0	1.00	1237		X
S0.01	1.00	1240		X
S0.025	1.00	1242		X
S0.05	1.00	1245		X
S0.10	1.00	1247		X
S0.20	1.00	1250		X
S0.40	1.00	1252		X
ICV	1.00	1256		X
ICB	1.00	1258		X
CRA	1.00	1301		X
CCV	1.00	1303		X
CCB	1.00	1306		X
ZZZZZZ	1.00	1309		
ZZZZZZ	1.00	1311		
PBW	1.00	1314		X
CCV	1.00	1316		X
CCB	1.00	1319		X
ZZZZZZ	1.00	1321		
ZZZZZZ	1.00	1324		
ZZZZZZ	1.00	1326		
ZZZZZZ	1.00	1329		
ZZZZZZ	1.00	1331		
ZZZZZZ	1.00	1334		
ZZZZZZ	1.00	1336		
ZZZZZZ	1.00	1339		
CCV	1.00	1341		X
CCB	1.00	1344		X
ZZZZZZ	1.00	1346		
MW-01	1.00	1349		X
MW-01D	1.00	1351		X
MW-01S	1.00	1354		X
MW-06	1.00	1357		X
MW-07	1.00	1359		X
RIN-3	1.00	1402		X
CCV	1.00	1404		X

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Instrument ID Number: LACHAT1 Method: CA

Start Date: 06/07/2005 End Date: 06/07/2005

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	SAS	ABA	BE	CD	CA	CO	CR	CU	FE	PB	MGN	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.00	1407																									X

FORM XIV - IN ILM04.1

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14
ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Instrument ID Number: OPTIMA2 Method: P

Start Date: 06/03/2005 End Date: 06/03/2005

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	AA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
S0	1.00	1043		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
S1	1.00	1052		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
ICV	1.00	1056		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
ICB	1.00	1103		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
CRI	1.00	1107			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X				
ICSA	1.00	1111		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
ICSAB	1.00	1116		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
CCV	1.00	1120		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
CCB	1.00	1124		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
PRW	1.00	1128		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
LCSW	1.00	1133		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
ZZZZZZ	1.00	1137																												
ZZZZZZ	5.00	1141																												
MW-01	1.00	1145		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
MW-01D	1.00	1149		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
MW-01S	1.00	1153		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
MW-01L	5.00	1157		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
ZZZZZZ	1.00	1201																												
MW-06	1.00	1206		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
CCV	1.00	1210		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
CCB	1.00	1214		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
MW-07	1.00	1218		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
RIN-3	1.00	1222		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
ZZZZZZ	1.00	1226																												
ZZZZZZ	1.00	1230																												
ZZZZZZ	1.00	1235																												
ZZZZZZ	1.00	1239																												
ZZZZZZ	1.00	1243																												
CRI	1.00	1247			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X				
ICSA	1.00	1251		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
ICSAB	1.00	1256		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
CCV	1.00	1300		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
CCB	1.00	1304		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
ZZZZZZ	5.00	1308																												
ZZZZZZ	1.00	1312																												

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Instrument ID Number: OPTIMA2 Method: P

Start Date: 06/03/2005 End Date: 06/03/2005

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	BS	AS	BA	BE	CD	AA	OO	CR	UU	EE	BB	GG	MN	HG	NI	KK	SE	AG	NA	TL	VV	ZN	CN			
ZZZZZZ	1.00	1316																												
ZZZZZZ	1.00	1320																												
ZZZZZZ	1.00	1325																												
ZZZZZZ	1.00	1329																												
ZZZZZZ	1.00	1333																												
ZZZZZZ	1.00	1337																												
ZZZZZZ	5.00	1341																												
CCV	1.00	1345		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X				
CCB	1.00	1349		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X				
ZZZZZZ	1.00	1353																												
ZZZZZZ	1.00	1358																												
ZZZZZZ	1.00	1402																												
ZZZZZZ	1.00	1406																												
ZZZZZZ	1.00	1410																												
CRI	1.00	1414			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X				
ICSA	1.00	1418		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X				
ICSAB	1.00	1423		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X				
ZZZZZZ	1.00	1427																												
ZZZZZZ	1.00	1431																												
CCV	1.00	1455		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X				
CCB	1.00	1459		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X				
MW-01A	1.00	1505			X																X									
ZZZZZZ	1.00	1514																												
ZZZZZZ	1.00	1518																												
ZZZZZZ	1.00	1523																												
CRI	1.00	1527			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X				
ICSA	1.00	1531		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X				
ICSAB	1.00	1535		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X				
CCV	1.00	1540		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X				
CCB	1.00	1544		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X				

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Instrument ID Number: OPTIMA3 Method: P

Start Date: 06/03/2005 End Date: 06/03/2005

EPA Sample No.	D/F	Time	% R	Analytes
S0	1.00	1015		X
S1	1.00	1017		X
ICV	1.00	1020		X
ICB	1.00	1022		X
ICSA	1.00	1025		X
ICSAB	1.00	1027		X
CCV	1.00	1029		X
CCB	1.00	1032		X
PBW	1.00	1034		X
LCSW	1.00	1036		X
ZZZZZZ	1.00	1039		
ZZZZZZ	5.00	1041		
MW-01	1.00	1043		X
MW-01D	1.00	1046		X
MW-01L	5.00	1048		X
MW-06	1.00	1050		X
MW-07	1.00	1053		X
RIN-3	1.00	1055		X
CCV	1.00	1058		X
CCB	1.00	1100		X
ZZZZZZ	1.00	1102		
ZZZZZZ	1.00	1105		
ZZZZZZ	1.00	1107		
ZZZZZZ	1.00	1109		
ZZZZZZ	5.00	1112		
ZZZZZZ	1.00	1114		
ZZZZZZ	1.00	1116		
ZZZZZZ	1.00	1119		
ICSA	1.00	1121		X
ICSAB	1.00	1123		X
CCV	1.00	1126		X
CCB	1.00	1128		X

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 3563S-04

Lab Code: MITKEM Case No. SAS No.: SDG No.: MD0618

Instrument ID Number: OPTIMA3 Method: P

Start Date: 06/03/2005 End Date: 06/03/2005

EPA Sample No.	D/F	Time	% R	Analytes																										
				ALSB	SSA	BAA	BEA	CDA	CAA	COA	CRA	CUA	FEA	PBA	MGA	MNA	HGA	NIA	K	SEA	AGA	NAA	TLA	V	ZNA	CNA
S0	1.00	1155																	X							
S1	1.00	1158																	X							
ICV	1.00	1200																	X							
ICB	1.00	1202																	X							
ICSA	1.00	1205																	X							
ICSAB	1.00	1207																	X							
CCV	1.00	1209																	X							
CCB	1.00	1212																	X							
PBW	1.00	1214																	X							
LCSW	1.00	1216																	X							
ZZZZZZ	1.00	1219																								
ZZZZZZ	5.00	1221																								
MW-01	1.00	1223																	X							
MW-01D	1.00	1226																	X							
MW-01L	5.00	1228																	X							
MW-06	1.00	1230																	X							
MW-07	1.00	1233																	X							
RIN-3	1.00	1235																	X							
CCV	1.00	1238																	X							
CCB	1.00	1240																	X							
ZZZZZZ	1.00	1242																								
ZZZZZZ	1.00	1245																								
ZZZZZZ	1.00	1247																								
ZZZZZZ	1.00	1249																								
ZZZZZZ	5.00	1252																								
ZZZZZZ	1.00	1254																								
ZZZZZZ	1.00	1256																								
ZZZZZZ	1.00	1259																								
ICSA	1.00	1301																	X							
ICSAB	1.00	1303																	X							
CCV	1.00	1306																	X							
CCB	1.00	1308																	X							

Instrument Raw Data

- [x] ICP
- [x] Mercury
- [x] Cyanide

Reprocessing Begun
Logged In Analyst: optima2 Technique: ICP Continuous

Results Data Set (original): A05060301
Results Library (original): D:\pe\administrator\Results\Results.mdb
Results Data Set (reprocessed): A05060301A
Results Library (reprocessed): D:\pe\administrator\Results\Results.mdb

Sequence No.: 1
Sample ID: S0
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 6/3/05 10:43:34 AM
Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:11 AM,

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	-1160.8	31.78	2.74%	[0.00]	mg/L
Al 308.215	17339.4	156.95	0.91%	[0.00]	mg/L
As 188.979	15.1	2.03	13.44%	[0.00]	mg/L
Ba 233.527	550.6	3.80	0.69%	[0.00]	mg/L
Be 313.107	-2216.2	81.02	3.66%	[0.00]	mg/L
Co 228.616	-185.4	2.05	1.10%	[0.00]	mg/L
Cr 267.716	1370.2	12.44	0.91%	[0.00]	mg/L
Cu 324.752	5063.8	1.51	0.03%	[0.00]	mg/L
Fe 273.955	-2476.7	2.22	0.09%	[0.00]	mg/L
Mg 279.077	-9756.3	57.67	0.59%	[0.00]	mg/L
Mn 257.610	-2674.0	4.78	0.18%	[0.00]	mg/L
Ni 231.604	-142.0	3.49	2.46%	[0.00]	mg/L
Pb 220.353	-397.9	2.36	0.59%	[0.00]	mg/L
Sb 206.836	194.3	1.70	0.87%	[0.00]	mg/L
Se 196.026	39.9	5.73	14.34%	[0.00]	mg/L
Tl 190.801	21.5	3.50	16.24%	[0.00]	mg/L
V 292.402	-462.9	116.45	25.16%	[0.00]	mg/L
Zn 206.200	115.2	3.71	3.22%	[0.00]	mg/L
Na 330.237	468.0	168.30	35.97%	[0.00]	mg/L
Cd 226.502	-592.9	2.40	0.40%	[0.00]	mg/L
Ti 334.940	530.0	13.99	2.64%	[0.00]	mg/L
Ca 227.546	148.5	12.94	8.71%	[0.00]	mg/L

Sequence No.: 2
Sample ID: S1
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 6/3/05 10:52:24 AM
Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:11 AM,

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	1000364.4	3559.53	0.36%	[2.5]	mg/L
Al 308.215	737208.6	1175.51	0.16%	[20]	mg/L
As 188.979	1877.8	5.99	0.32%	[1]	mg/L
Ba 233.527	1769312.6	6028.35	0.34%	[20]	mg/L
Be 313.107	3259728.9	19345.81	0.59%	[0.5]	mg/L
Co 228.616	247426.0	556.22	0.22%	[5]	mg/L
Cr 267.716	471969.5	1071.04	0.23%	[2]	mg/L
Cu 324.752	1058689.2	5597.53	0.53%	[2.5]	mg/L
Fe 273.955	243955.9	137.48	0.06%	[10]	mg/L
Mg 279.077	1003301.2	1503.78	0.15%	[50]	mg/L
Mn 257.610	598882.8	519.09	0.09%	[5]	mg/L
Ni 231.604	391461.9	2164.91	0.55%	[5]	mg/L
Pb 220.353	12064.8	4.53	0.04%	[1]	mg/L
Sb 206.836	3736.9	245.00	6.56%	[1]	mg/L
Se 196.026	2504.5	3.81	0.15%	[1]	mg/L
Tl 190.801	2194.7	3.51	0.16%	[1]	mg/L

V 292.402	1279731.0	5092.10	0.40%	[5] mg/L
Zn 206.200	492646.2	2101.44	0.43%	[5] mg/L
Na 330.237	86464.8	291.34	0.34%	[50] mg/L
Cd 226.502	119933.9	270.28	0.23%	[0.5] mg/L
Ti 334.940	780666.3	3836.32	0.49%	[1] mg/L
Ca 227.546	27330.3	49.14	0.18%	[50] mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	400100	0.00000	1.000000	
Al 308.215	1	Lin Thru 0	0.0	36860	0.00000	1.000000	
As 188.979	1	Lin Thru 0	0.0	1878	0.00000	1.000000	
Ba 233.527	1	Lin Thru 0	0.0	88470	0.00000	1.000000	
Be 313.107	1	Lin Thru 0	0.0	6519000	0.00000	1.000000	
Co 228.616	1	Lin Thru 0	0.0	49490	0.00000	1.000000	
Cr 267.716	1	Lin Thru 0	0.0	236000	0.00000	1.000000	
Cu 324.752	1	Lin Thru 0	0.0	423500	0.00000	1.000000	
Fe 273.955	1	Lin Thru 0	0.0	24400	0.00000	1.000000	
Mg 279.077	1	Lin Thru 0	0.0	20070	0.00000	1.000000	
Mn 257.610	1	Lin Thru 0	0.0	119800	0.00000	1.000000	
Ni 231.604	1	Lin Thru 0	0.0	78290	0.00000	1.000000	
Pb 220.353	1	Lin Thru 0	0.0	12060	0.00000	1.000000	
Sb 206.836	1	Lin Thru 0	0.0	3737	0.00000	1.000000	
Se 196.026	1	Lin Thru 0	0.0	2505	0.00000	1.000000	
Tl 190.801	1	Lin Thru 0	0.0	2195	0.00000	1.000000	
V 292.402	1	Lin Thru 0	0.0	255900	0.00000	1.000000	
Zn 206.200	1	Lin Thru 0	0.0	98530	0.00000	1.000000	
Na 330.237	1	Lin Thru 0	0.0	1729	0.00000	1.000000	
Cd 226.502	1	Lin Thru 0	0.0	239900	0.00000	1.000000	
Ti 334.940	1	Lin Thru 0	0.0	780700	0.00000	1.000000	
Ca 227.546	1	Lin Thru 0	0.0	546.6	0.00000	1.000000	

Sequence No.: 3
Sample ID: ICV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 6/3/05 10:56:39 AM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:12 AM,

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	701952.9	1.7560	mg/L	0.01702	1.7560	mg/L	0.01702	0.97%
Al 308.215	563895.3	15.226	mg/L	0.0885	15.226	mg/L	0.0885	0.58%
As 188.979	1437.1	0.7716	mg/L	0.00082	0.7716	mg/L	0.00082	0.11%
Ba 233.527	1400167.6	15.823	mg/L	0.1118	15.823	mg/L	0.1118	0.71%
Be 313.107	2544143.3	0.3902	mg/L	0.00317	0.3902	mg/L	0.00317	0.81%
Co 228.616	191768.9	3.8747	mg/L	0.00571	3.8747	mg/L	0.00571	0.15%
Cr 267.716	365904.2	1.5479	mg/L	0.00946	1.5479	mg/L	0.00946	0.61%
Cu 324.752	820850.8	1.9357	mg/L	0.01528	1.9357	mg/L	0.01528	0.79%
Fe 273.955	191484.7	7.6200	mg/L	0.03674	7.6200	mg/L	0.03674	0.48%
Mg 279.077	776865.6	38.794	mg/L	0.1267	38.794	mg/L	0.1267	0.33%
Mn 257.610	466540.4	3.9012	mg/L	0.00799	3.9012	mg/L	0.00799	0.20%
Ni 231.604	302409.1	3.8609	mg/L	0.00577	3.8609	mg/L	0.00577	0.15%
Pb 220.353	9161.0	0.7667	mg/L	0.00014	0.7667	mg/L	0.00014	0.02%
Sb 206.836	2961.5	0.7851	mg/L	0.00285	0.7851	mg/L	0.00285	0.36%
Se 196.026	1898.2	0.7574	mg/L	0.00008	0.7574	mg/L	0.00008	0.01%
Tl 190.801	1685.2	0.7639	mg/L	0.00016	0.7639	mg/L	0.00016	0.02%
V 292.402	995754.3	3.8935	mg/L	0.03598	3.8935	mg/L	0.03598	0.92%
Zn 206.200	384494.5	3.9040	mg/L	0.02808	3.9040	mg/L	0.02808	0.72%
Na 330.237	66459.8	38.438	mg/L	0.2271	38.438	mg/L	0.2271	0.59%
Cd 226.502	91635.9	0.3824	mg/L	0.00201	0.3824	mg/L	0.00201	0.53%
Ti 334.940	-38.2	0.0012	mg/L	0.00012	0.0012	mg/L	0.00012	10.30%
Ca 227.546	21381.0	38.695	mg/L	0.0414	38.695	mg/L	0.0414	0.11%

Sequence No.: 4
Sample ID: ICB

Autosampler Location: 4
Date Collected: 6/3/05 11:03:35 AM

Analyst:
Sample Wt:
Dilution:

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:13 AM,

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	3310.1	0.0083	mg/L	0.00127	0.0083	mg/L	0.00127	15.37%
Al 308.215	352.8	0.0096	mg/L	0.00027	0.0096	mg/L	0.00027	2.84%
As 188.979	-1.9	-0.0010	mg/L	0.00205	-0.0010	mg/L	0.00205	203.27%
Ba 233.527	333.1	0.0038	mg/L	0.00192	0.0038	mg/L	0.00192	51.04%
Be 313.107	784.9	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	43.61%
Co 228.616	72.2	0.0015	mg/L	0.00037	0.0015	mg/L	0.00037	25.26%
Cr 267.716	111.9	0.0005	mg/L	0.00012	0.0005	mg/L	0.00012	25.08%
Cu 324.752	1769.5	0.0042	mg/L	0.00028	0.0042	mg/L	0.00028	6.77%
Fe 273.955	100.0	0.0040	mg/L	0.00046	0.0040	mg/L	0.00046	11.49%
Mg 279.077	409.1	0.0204	mg/L	0.01101	0.0204	mg/L	0.01101	53.95%
Mn 257.610	145.9	0.0012	mg/L	0.00048	0.0012	mg/L	0.00048	39.24%
Ni 231.604	117.4	0.0015	mg/L	0.00049	0.0015	mg/L	0.00049	32.75%
Pb 220.353	4.4	0.0004	mg/L	0.00063	0.0004	mg/L	0.00063	169.41%
Sb 206.836	14.2	0.0038	mg/L	0.00099	0.0038	mg/L	0.00099	26.12%
Se 196.026	2.8	0.0011	mg/L	0.00038	0.0011	mg/L	0.00038	34.30%
Tl 190.801	1.2	0.0005	mg/L	0.00041	0.0005	mg/L	0.00041	78.50%
V 292.402	276.6	0.0011	mg/L	0.00036	0.0011	mg/L	0.00036	33.45%
Zn 206.200	878.4	0.0089	mg/L	0.00136	0.0089	mg/L	0.00136	15.31%
Na 330.237	87.8	0.0508	mg/L	0.05425	0.0508	mg/L	0.05425	106.83%
Cd 226.502	20.1	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	92.61%
Ti 334.940	-13.4	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	134.86%
Ca 227.546	14.7	0.0267	mg/L	0.00512	0.0267	mg/L	0.00512	19.15%

Sequence No.: 5
Sample ID: CRI
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 6/3/05 11:07:42 AM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:14 AM,

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	10239.4	0.0257	mg/L	0.00016	0.0257	mg/L	0.00016	0.63%
Al 308.215	192.5	0.0036	mg/L	0.00073	0.0036	mg/L	0.00073	20.66%
As 188.979	36.8	0.0197	mg/L	0.00096	0.0197	mg/L	0.00096	4.88%
Ba 233.527	303.7	0.0034	mg/L	0.00083	0.0034	mg/L	0.00083	24.58%
Be 313.107	66368.5	0.0102	mg/L	0.00010	0.0102	mg/L	0.00010	1.01%
Co 228.616	5339.9	0.1079	mg/L	0.00013	0.1079	mg/L	0.00013	0.12%
Cr 267.716	4896.3	0.0207	mg/L	0.00039	0.0207	mg/L	0.00039	1.90%
Cu 324.752	23427.9	0.0553	mg/L	0.00024	0.0553	mg/L	0.00024	0.44%
Fe 273.955	273.9	0.0051	mg/L	0.00127	0.0051	mg/L	0.00127	24.73%
Mg 279.077	253.8	0.0134	mg/L	0.00381	0.0134	mg/L	0.00381	28.41%
Mn 257.610	3924.1	0.0328	mg/L	0.00023	0.0328	mg/L	0.00023	0.70%
Ni 231.604	6877.4	0.0878	mg/L	0.00041	0.0878	mg/L	0.00041	0.47%
Pb 220.353	89.5	0.0075	mg/L	0.00031	0.0075	mg/L	0.00031	4.19%
Sb 206.836	497.0	0.1330	mg/L	0.00065	0.1330	mg/L	0.00065	0.49%
Se 196.026	28.5	0.0113	mg/L	0.00072	0.0113	mg/L	0.00072	6.34%
Tl 190.801	47.2	0.0213	mg/L	0.00093	0.0213	mg/L	0.00093	4.37%
V 292.402	26543.3	0.1037	mg/L	0.00099	0.1037	mg/L	0.00099	0.95%
Zn 206.200	5120.2	0.0520	mg/L	0.00085	0.0520	mg/L	0.00085	1.63%
Na 330.237	168.4	0.0980	mg/L	0.06575	0.0980	mg/L	0.06575	67.07%
Cd 226.502	2529.6	0.0106	mg/L	0.00005	0.0106	mg/L	0.00005	0.48%
Ti 334.940	81.7	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	20.33%
Ca 227.546	31.2	0.0491	mg/L	0.00633	0.0491	mg/L	0.00633	12.90%

Sequence No.: 6
Sample ID: ICSA
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/3/05 11:11:51 AM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:14 AM,

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-4644.3	0.0026	mg/L	0.00069	0.0026	mg/L	0.00069	26.82%
Al 308.215	17111072.4	464.21	mg/L	0.532	464.21	mg/L	0.532	0.11%
As 188.979	52.6	-0.0029	mg/L	0.00272	-0.0029	mg/L	0.00272	93.35%
Ba 233.527	2518.5	-0.0028	mg/L	0.00005	-0.0028	mg/L	0.00005	1.80%
Be 313.107	-164.2	-0.0001	mg/L	0.00000	-0.0001	mg/L	0.00000	3.72%
Co 228.616	142.2	-0.0012	mg/L	0.00003	-0.0012	mg/L	0.00003	2.06%
Cr 267.716	219.1	0.0010	mg/L	0.00004	0.0010	mg/L	0.00004	4.46%
Cu 324.752	-5980.9	-0.0026	mg/L	0.00022	-0.0026	mg/L	0.00022	8.38%
Fe 273.955	4012976.3	164.50	mg/L	0.054	164.50	mg/L	0.054	0.03%
Mg 279.077	8933025.5	445.23	mg/L	0.275	445.23	mg/L	0.275	0.06%
Mn 257.610	-13933.6	0.0035	mg/L	0.00096	0.0035	mg/L	0.00096	27.13%
Ni 231.604	306.8	-0.0041	mg/L	0.00004	-0.0041	mg/L	0.00004	1.03%
Pb 220.353	-1395.7	0.0003	mg/L	0.00007	0.0003	mg/L	0.00007	22.50%
Sb 206.836	416.7	0.0085	mg/L	0.00078	0.0085	mg/L	0.00078	9.21%
Se 196.026	-159.2	0.0004	mg/L	0.00197	0.0004	mg/L	0.00197	550.41%
Tl 190.801	66.4	0.0005	mg/L	0.00080	0.0005	mg/L	0.00080	176.58%
V 292.402	-954.7	-0.0006	mg/L	0.00033	-0.0006	mg/L	0.00033	53.89%
Zn 206.200	1890.3	0.0108	mg/L	0.00024	0.0108	mg/L	0.00024	2.20%
Na 330.237	-494.1	-0.4698	mg/L	0.10291	-0.4698	mg/L	0.10291	21.90%
Cd 226.502	3343.4	0.0037	mg/L	0.00011	0.0037	mg/L	0.00011	3.08%
Ti 334.940	-16835.2	-0.0041	mg/L	0.00009	-0.0041	mg/L	0.00009	2.10%
Ca 227.546	262003.7	477.45	mg/L	3.346	477.45	mg/L	3.346	0.70%

Sequence No.: 7
Sample ID: ICSAB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 6/3/05 11:16:06 AM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:15 AM,

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	69554.0	0.1892	mg/L	0.00120	0.1892	mg/L	0.00120	0.64%
Al 308.215	17527806.4	475.51	mg/L	3.618	475.51	mg/L	3.618	0.76%
As 188.979	222.8	0.0890	mg/L	0.00020	0.0890	mg/L	0.00020	0.22%
Ba 233.527	45591.0	0.4833	mg/L	0.00143	0.4833	mg/L	0.00143	0.30%
Be 313.107	3037981.3	0.4660	mg/L	0.00323	0.4660	mg/L	0.00323	0.69%
Co 228.616	21833.6	0.4370	mg/L	0.00217	0.4370	mg/L	0.00217	0.50%
Cr 267.716	107539.0	0.4553	mg/L	0.00119	0.4553	mg/L	0.00119	0.26%
Cu 324.752	195772.5	0.4735	mg/L	0.00674	0.4735	mg/L	0.00674	1.42%
Fe 273.955	4070518.2	166.83	mg/L	0.715	166.83	mg/L	0.715	0.43%
Mg 279.077	9195706.7	458.33	mg/L	2.769	458.33	mg/L	2.769	0.60%
Mn 257.610	41733.2	0.4706	mg/L	0.00090	0.4706	mg/L	0.00090	0.19%
Ni 231.604	67550.2	0.8545	mg/L	0.00068	0.8545	mg/L	0.00068	0.08%
Pb 220.353	-905.3	0.0442	mg/L	0.00090	0.0442	mg/L	0.00090	2.03%
Sb 206.836	2653.4	0.6027	mg/L	0.00308	0.6027	mg/L	0.00308	0.51%
Se 196.026	-51.7	0.0439	mg/L	0.00314	0.0439	mg/L	0.00314	7.16%
Tl 190.801	253.9	0.0847	mg/L	0.00057	0.0847	mg/L	0.00057	0.67%
V 292.402	118499.0	0.4670	mg/L	0.00124	0.4670	mg/L	0.00124	0.27%
Zn 206.200	85900.5	0.8642	mg/L	0.00645	0.8642	mg/L	0.00645	0.75%
Na 330.237	2736.5	1.3994	mg/L	0.16812	1.3994	mg/L	0.16812	12.01%
Cd 226.502	208952.7	0.8609	mg/L	0.00313	0.8609	mg/L	0.00313	0.36%
Ti 334.940	-17133.6	-0.0043	mg/L	0.00009	-0.0043	mg/L	0.00009	2.15%
Ca 227.546	265968.9	484.63	mg/L	2.945	484.63	mg/L	2.945	0.61%

Sequence No.: 8
Sample ID: CCV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/3/05 11:20:33 AM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:16 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	452931.4	1.1331	mg/L	0.00395	1.1331	mg/L	0.00395	0.35%
Al 308.215	376761.9	10.173	mg/L	0.0735	10.173	mg/L	0.0735	0.72%
As 188.979	966.9	0.5192	mg/L	0.00096	0.5192	mg/L	0.00096	0.18%
Ba 233.527	953299.5	10.773	mg/L	0.1299	10.773	mg/L	0.1299	1.21%
Be 313.107	1708293.4	0.2620	mg/L	0.00316	0.2620	mg/L	0.00316	1.21%
Co 228.616	129836.2	2.6233	mg/L	0.00485	2.6233	mg/L	0.00485	0.18%
Cr 267.716	247311.5	1.0462	mg/L	0.00066	1.0462	mg/L	0.00066	0.06%
Cu 324.752	548162.1	1.2927	mg/L	0.01991	1.2927	mg/L	0.01991	1.54%
Fe 273.955	130853.2	5.2103	mg/L	0.03306	5.2103	mg/L	0.03306	0.63%
Mg 279.077	530075.5	26.470	mg/L	0.1031	26.470	mg/L	0.1031	0.39%
Mn 257.610	315006.3	2.6341	mg/L	0.00799	2.6341	mg/L	0.00799	0.30%
Ni 231.604	204488.1	2.6107	mg/L	0.01091	2.6107	mg/L	0.01091	0.42%
Pb 220.353	6240.1	0.5222	mg/L	0.00067	0.5222	mg/L	0.00067	0.13%
Sb 206.836	1911.9	0.5066	mg/L	0.00473	0.5066	mg/L	0.00473	0.93%
Se 196.026	1285.7	0.5131	mg/L	0.00055	0.5131	mg/L	0.00055	0.11%
Tl 190.801	1153.7	0.5231	mg/L	0.00191	0.5231	mg/L	0.00191	0.36%
V 292.402	667046.7	2.6083	mg/L	0.03511	2.6083	mg/L	0.03511	1.35%
Zn 206.200	262994.8	2.6703	mg/L	0.00985	2.6703	mg/L	0.00985	0.37%
Na 330.237	43635.4	25.237	mg/L	0.0734	25.237	mg/L	0.0734	0.29%
Cd 226.502	62692.3	0.2616	mg/L	0.00073	0.2616	mg/L	0.00073	0.28%
Ti 334.940	-254.4	0.0005	mg/L	0.00001	0.0005	mg/L	0.00001	3.01%
Ca 227.546	14248.3	25.783	mg/L	0.0422	25.783	mg/L	0.0422	0.16%

Sequence No.: 9
Sample ID: CCB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/3/05 11:24:45 AM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:17 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	601.5	0.0015	mg/L	0.00004	0.0015	mg/L	0.00004	2.83%
Al 308.215	1203.3	0.0326	mg/L	0.00257	0.0326	mg/L	0.00257	7.87%
As 188.979	-0.5	-0.0003	mg/L	0.00086	-0.0003	mg/L	0.00086	296.90%
Ba 233.527	278.3	0.0031	mg/L	0.00052	0.0031	mg/L	0.00052	16.71%
Be 313.107	898.0	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	31.12%
Co 228.616	72.1	0.0015	mg/L	0.00008	0.0015	mg/L	0.00008	5.46%
Cr 267.716	113.7	0.0005	mg/L	0.00027	0.0005	mg/L	0.00027	56.99%
Cu 324.752	2125.2	0.0050	mg/L	0.00051	0.0050	mg/L	0.00051	10.19%
Fe 273.955	555.6	0.0227	mg/L	0.00383	0.0227	mg/L	0.00383	16.83%
Mg 279.077	3522.9	0.1756	mg/L	0.01675	0.1756	mg/L	0.01675	9.54%
Mn 257.610	110.2	0.0009	mg/L	0.00015	0.0009	mg/L	0.00015	15.78%
Ni 231.604	144.4	0.0018	mg/L	0.00023	0.0018	mg/L	0.00023	12.61%
Pb 220.353	9.7	0.0008	mg/L	0.00026	0.0008	mg/L	0.00026	32.16%
Sb 206.836	20.3	0.0054	mg/L	0.00134	0.0054	mg/L	0.00134	24.71%
Se 196.026	1.6	0.0007	mg/L	0.00031	0.0007	mg/L	0.00031	46.91%
Tl 190.801	2.7	0.0012	mg/L	0.00092	0.0012	mg/L	0.00092	75.79%
V 292.402	118.9	0.0005	mg/L	0.00016	0.0005	mg/L	0.00016	34.15%
Zn 206.200	917.1	0.0093	mg/L	0.00175	0.0093	mg/L	0.00175	18.84%
Na 330.237	59.0	0.0342	mg/L	0.01885	0.0342	mg/L	0.01885	55.14%
Cd 226.502	33.4	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	42.66%
Ti 334.940	36.8	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	69.85%
Ca 227.546	28.7	0.0521	mg/L	0.03180	0.0521	mg/L	0.03180	61.04%

Sequence No.: 10 6 6
Sample ID: MB-18386,18386
Analyst:
Sample Wt: TH 6/6/05
Dilution:

Autosampler Location: 38
Date Collected: 6/3/05 11:28:52 AM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:17 AM,

Mean Data: MB-18386,18386

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	1496.1	0.0037	mg/L	0.00027	0.0037	mg/L	0.00027	7.27%

Al 308.215	1165.9	0.0316 mg/L	0.00613	0.0316 mg/L	0.00613	19.39%
As 188.979	-1.8	-0.0009 mg/L	0.00120	-0.0009 mg/L	0.00120	128.74%
Ba 233.527	236.0	0.0027 mg/L	0.00022	0.0027 mg/L	0.00022	8.23%
Be 313.107	121.7	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	1.40%
Co 228.616	54.6	0.0011 mg/L	0.00005	0.0011 mg/L	0.00005	4.11%
Cr 267.716	-4.4	0.0000 mg/L	0.00009	0.0000 mg/L	0.00009	401.69%
Cu 324.752	3285.1	0.0078 mg/L	0.00148	0.0078 mg/L	0.00148	19.05%
Fe 273.955	1730.5	0.0709 mg/L	0.00020	0.0709 mg/L	0.00020	0.28%
Mg 279.077	1985.1	0.0990 mg/L	0.00167	0.0990 mg/L	0.00167	1.69%
Mn 257.610	300.4	0.0025 mg/L	0.00002	0.0025 mg/L	0.00002	0.94%
Ni 231.604	137.3	0.0018 mg/L	0.00004	0.0018 mg/L	0.00004	2.38%
Pb 220.353	10.1	0.0009 mg/L	0.00025	0.0009 mg/L	0.00025	29.34%
Sb 206.836	7.7	0.0020 mg/L	0.00016	0.0020 mg/L	0.00016	7.87%
Se 196.026	0.4	0.0002 mg/L	0.00112	0.0002 mg/L	0.00112	589.59%
Tl 190.801	-1.0	-0.0005 mg/L	0.00096	-0.0005 mg/L	0.00096	205.43%
V 292.402	29.3	0.0001 mg/L	0.00005	0.0001 mg/L	0.00005	40.83%
Zn 206.200	1501.9	0.0152 mg/L	0.00090	0.0152 mg/L	0.00090	5.87%
Na 330.237	158.1	0.0916 mg/L	0.07667	0.0916 mg/L	0.07667	83.71%
Cd 226.502	15.2	0.0001 mg/L	0.00001	0.0001 mg/L	0.00001	20.66%
Ti 334.940	103.9	0.0001 mg/L	0.00006	0.0001 mg/L	0.00006	42.62%
Ca 227.546	67.8	0.1230 mg/L	0.00408	0.1230 mg/L	0.00408	3.31%

Sequence No.: 11 **Autosampler Location:** 39
Sample ID: LCS-18336,18386 **Date Collected:** 6/3/05 11:33:01 AM
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: Diluted **Data Type:** Reprocessed on 6/6/05 9:52:18 AM,

Mean Data: LCS-18336,18386

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	430590.4	1.0772	mg/L	0.00617	1.0772	mg/L	0.00617	0.57%
Al 308.215	338820.8	9.1478	mg/L	0.07961	9.1478	mg/L	0.07961	0.87%
As 188.979	860.4	0.4620	mg/L	0.00149	0.4620	mg/L	0.00149	0.32%
Ba 233.527	861209.4	9.7325	mg/L	0.05721	9.7325	mg/L	0.05721	0.59%
Be 313.107	1570100.5	0.2408	mg/L	0.00188	0.2408	mg/L	0.00188	0.78%
Co 228.616	117186.8	2.3677	mg/L	0.01181	2.3677	mg/L	0.01181	0.50%
Cr 267.716	219950.2	0.9304	mg/L	0.00642	0.9304	mg/L	0.00642	0.69%
Cu 324.752	505246.1	1.1915	mg/L	0.01228	1.1915	mg/L	0.01228	1.03%
Fe 273.955	116887.5	4.6503	mg/L	0.03085	4.6503	mg/L	0.03085	0.66%
Mg 279.077	474853.6	23.712	mg/L	0.0750	23.712	mg/L	0.0750	0.32%
Mn 257.610	284041.3	2.3752	mg/L	0.01031	2.3752	mg/L	0.01031	0.43%
Ni 231.604	184139.4	2.3509	mg/L	0.00375	2.3509	mg/L	0.00375	0.16%
Pb 220.353	5626.7	0.4709	mg/L	0.00164	0.4709	mg/L	0.00164	0.35%
Sb 206.836	1846.6	0.4897	mg/L	0.00249	0.4897	mg/L	0.00249	0.51%
Se 196.026	1153.5	0.4603	mg/L	0.00421	0.4603	mg/L	0.00421	0.91%
Tl 190.801	1033.0	0.4682	mg/L	0.00470	0.4682	mg/L	0.00470	1.00%
V 292.402	612892.6	2.3964	mg/L	0.01568	2.3964	mg/L	0.01568	0.65%
Zn 206.200	236661.5	2.4029	mg/L	0.00889	2.4029	mg/L	0.00889	0.37%
Na 330.237	39565.1	22.883	mg/L	0.1192	22.883	mg/L	0.1192	0.52%
Cd 226.502	55386.5	0.2311	mg/L	0.00128	0.2311	mg/L	0.00128	0.56%
Ti 334.940	-556.1	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010	282.71%
Ca 227.546	12909.2	23.359	mg/L	0.0804	23.359	mg/L	0.0804	0.34%

Sequence No.: 12 **Autosampler Location:** 40
Sample ID: D0623-08C,18336 **Date Collected:** 6/3/05 11:37:18 AM
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type:** Reprocessed on 6/6/05 9:52:19 AM,

Mean Data: D0623-08C,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	578.9	0.0014	mg/L	0.00000	0.0014	mg/L	0.00000	0.27%
Al 308.215	2645.0	0.0717	mg/L	0.00325	0.0717	mg/L	0.00325	4.53%
As 188.979	0.0	0.0000	mg/L	0.00029	0.0000	mg/L	0.00029	>999.9%
Ba 233.527	194.6	0.0022	mg/L	0.00007	0.0022	mg/L	0.00007	3.15%

Be 313.107	246.2	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	0.87%
Co 228.616	40.6	0.0008 mg/L	0.00005	0.0008 mg/L	0.00005	6.53%
Cr 267.716	150.4	0.0006 mg/L	0.00015	0.0006 mg/L	0.00015	23.60%
Cu 324.752	3727.0	0.0088 mg/L	0.00098	0.0088 mg/L	0.00098	11.08%
Fe 273.955	5275.2	0.2162 mg/L	0.00002	0.2162 mg/L	0.00002	0.01%
Mg 279.077	7988.1	0.3983 mg/L	0.00051	0.3983 mg/L	0.00051	0.13%
Mn 257.610	725.3	0.0062 mg/L	0.00003	0.0062 mg/L	0.00003	0.55%
Ni 231.604	107.3	0.0014 mg/L	0.00025	0.0014 mg/L	0.00025	18.71%
Pb 220.353	13.6	0.0012 mg/L	0.00013	0.0012 mg/L	0.00013	11.11%
Sb 206.836	5.4	0.0014 mg/L	0.00011	0.0014 mg/L	0.00011	7.80%
Se 196.026	4.5	0.0019 mg/L	0.00273	0.0019 mg/L	0.00273	144.94%
Tl 190.801	2.6	0.0012 mg/L	0.00032	0.0012 mg/L	0.00032	26.10%
V 292.402	2.9	0.0000 mg/L	0.00020	0.0000 mg/L	0.00020	>999.9%
Zn 206.200	2054.4	0.0208 mg/L	0.00129	0.0208 mg/L	0.00129	6.20%
Na 330.237	288.7	0.1671 mg/L	0.03438	0.1671 mg/L	0.03438	20.58%
Cd 226.502	7.5	0.0000 mg/L	0.00002	0.0000 mg/L	0.00002	96.96%
Ti 334.940	327.7	0.0005 mg/L	0.00017	0.0005 mg/L	0.00017	37.04%
Ca 227.546	520.6	0.9494 mg/L	0.02765	0.9494 mg/L	0.02765	2.91%

Sequence No.: 13
Sample ID: D0623-08CSD,18336
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 6/3/05 11:41:21 AM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:20 AM,

Mean Data: D0623-08CSD,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	287.9	0.0007	mg/L	0.00025	0.0007	mg/L	0.00025	34.84%
Al 308.215	1445.1	0.0392	mg/L	0.00241	0.0392	mg/L	0.00241	6.16%
As 188.979	-0.8	-0.0004	mg/L	0.00196	-0.0004	mg/L	0.00196	435.75%
Ba 233.527	143.9	0.0016	mg/L	0.00017	0.0016	mg/L	0.00017	10.76%
Be 313.107	268.6	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	43.16%
Co 228.616	40.1	0.0008	mg/L	0.00014	0.0008	mg/L	0.00014	17.94%
Cr 267.716	105.7	0.0004	mg/L	0.00001	0.0004	mg/L	0.00001	3.15%
Cu 324.752	673.5	0.0016	mg/L	0.00010	0.0016	mg/L	0.00010	6.58%
Fe 273.955	1225.1	0.0502	mg/L	0.00038	0.0502	mg/L	0.00038	0.76%
Mg 279.077	2511.5	0.1252	mg/L	0.01009	0.1252	mg/L	0.01009	8.06%
Mn 257.610	231.9	0.0020	mg/L	0.00000	0.0020	mg/L	0.00000	0.13%
Ni 231.604	84.6	0.0011	mg/L	0.00007	0.0011	mg/L	0.00007	6.16%
Pb 220.353	7.2	0.0006	mg/L	0.00038	0.0006	mg/L	0.00038	62.18%
Sb 206.836	6.1	0.0016	mg/L	0.00017	0.0016	mg/L	0.00017	10.51%
Se 196.026	-0.7	-0.0003	mg/L	0.00100	-0.0003	mg/L	0.00100	364.99%
Tl 190.801	-0.8	-0.0004	mg/L	0.00106	-0.0004	mg/L	0.00106	293.61%
V 292.402	51.1	0.0002	mg/L	0.00018	0.0002	mg/L	0.00018	88.45%
Zn 206.200	637.2	0.0065	mg/L	0.00026	0.0065	mg/L	0.00026	4.01%
Na 330.237	-65.2	-0.0377	mg/L	0.05750	-0.0377	mg/L	0.05750	152.57%
Cd 226.502	21.3	0.0001	mg/L	0.00000	0.0001	mg/L	0.00000	2.23%
Ti 334.940	31.2	0.0000	mg/L	0.00007	0.0000	mg/L	0.00007	151.48%
Ca 227.546	105.7	0.1927	mg/L	0.01801	0.1927	mg/L	0.01801	9.34%

Sequence No.: 14
Sample ID: D0618-01C,18336
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 6/3/05 11:45:23 AM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:21 AM,

Mean Data: D0618-01C,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	-3796.0	-0.0340	mg/L	0.00026	-0.0340	mg/L	0.00026	0.76%
Al 308.215	2549313.6	69.122	mg/L	0.0637	69.122	mg/L	0.0637	0.09%
As 188.979	170.7	0.0964	mg/L	0.00153	0.0964	mg/L	0.00153	1.59%
Ba 233.527	328643.8	3.6922	mg/L	0.00875	3.6922	mg/L	0.00875	0.24%
Be 313.107	24809.5	0.0041	mg/L	0.00001	0.0041	mg/L	0.00001	0.15%
Co 228.616	4595.8	0.0891	mg/L	0.00041	0.0891	mg/L	0.00041	0.47%
Cr 267.716	23920.0	0.0957	mg/L	0.00004	0.0957	mg/L	0.00004	0.05%

Cu 324.752	80876.6	0.1958 mg/L	0.00018	0.1958 mg/L	0.00018	0.09%
Fe 273.955	3266345.5	133.89 mg/L	0.300	133.89 mg/L	0.300	0.22%
Mg 279.077	1741041.5	86.993 mg/L	0.2577	86.993 mg/L	0.2577	0.30%
Mn 257.610	1225795.3	10.313 mg/L	0.0170	10.313 mg/L	0.0170	0.17%
Ni 231.604	12397.5	0.1514 mg/L	0.00070	0.1514 mg/L	0.00070	0.46%
Pb 220.353	1342.5	0.1436 mg/L	0.00056	0.1436 mg/L	0.00056	0.39%
Sb 206.836	123.8	0.0049 mg/L	0.00023	0.0049 mg/L	0.00023	4.61%
Se 196.026	-107.2	-0.0066 mg/L	0.00037	-0.0066 mg/L	0.00037	5.61%
Tl 190.801	-17.5	0.0040 mg/L	0.00274	0.0040 mg/L	0.00274	67.96%
V 292.402	20477.0	0.0825 mg/L	0.00088	0.0825 mg/L	0.00088	1.07%
Zn 206.200	41193.8	0.4128 mg/L	0.00142	0.4128 mg/L	0.00142	0.34%
Na 330.237	199791.0	115.66 mg/L	0.021	115.66 mg/L	0.021	0.02%
Cd 226.502	2853.5	0.0025 mg/L	0.00017	0.0025 mg/L	0.00017	6.87%
Ti 334.940	176057.5	0.2378 mg/L	0.00126	0.2378 mg/L	0.00126	0.53%
Ca 227.546	184148.9	335.15 mg/L	0.635	335.15 mg/L	0.635	0.19%

Sequence No.: 15
Sample ID: D0618-01CDUP,18336
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 6/3/05 11:49:30 AM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:21 AM,

Mean Data: D0618-01CDUP,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Ag 328.068	-3921.4	-0.0332	mg/L	0.00027	-0.0332	mg/L	0.00027	0.83%
Al 308.215	2512052.1	68.112	mg/L	0.6737	68.112	mg/L	0.6737	0.99%
As 188.979	167.3	0.0946	mg/L	0.00025	0.0946	mg/L	0.00025	0.26%
Ba 233.527	325458.0	3.6564	mg/L	0.01934	3.6564	mg/L	0.01934	0.53%
Be 313.107	24100.8	0.0040	mg/L	0.00003	0.0040	mg/L	0.00003	0.75%
Co 228.616	4532.1	0.0879	mg/L	0.00021	0.0879	mg/L	0.00021	0.24%
Cr 267.716	23143.9	0.0925	mg/L	0.00080	0.0925	mg/L	0.00080	0.86%
Cu 324.752	72688.2	0.1766	mg/L	0.00103	0.1766	mg/L	0.00103	0.58%
Fe 273.955	3249823.8	133.21	mg/L	0.766	133.21	mg/L	0.766	0.58%
Mg 279.077	1709382.6	85.411	mg/L	0.5546	85.411	mg/L	0.5546	0.65%
Mn 257.610	1198879.0	10.088	mg/L	0.0684	10.088	mg/L	0.0684	0.68%
Ni 231.604	12265.1	0.1498	mg/L	0.00014	0.1498	mg/L	0.00014	0.09%
Pb 220.353	1317.2	0.1411	mg/L	0.00052	0.1411	mg/L	0.00052	0.37%
Sb 206.836	118.7	0.0038	mg/L	0.00208	0.0038	mg/L	0.00208	54.59%
Se 196.026	-110.9	-0.0083	mg/L	0.00109	-0.0083	mg/L	0.00109	13.17%
Tl 190.801	-18.7	0.0031	mg/L	0.00207	0.0031	mg/L	0.00207	66.01%
V 292.402	20153.1	0.0812	mg/L	0.00090	0.0812	mg/L	0.00090	1.11%
Zn 206.200	40145.4	0.4023	mg/L	0.00246	0.4023	mg/L	0.00246	0.61%
Na 330.237	193783.9	112.19	mg/L	1.275	112.19	mg/L	1.275	1.14%
Cd 226.502	2735.3	0.0020	mg/L	0.00015	0.0020	mg/L	0.00015	7.58%
Ti 334.940	175510.4	0.2367	mg/L	0.00960	0.2367	mg/L	0.00960	4.05%
Ca 227.546	179153.2	326.02	mg/L	2.793	326.02	mg/L	2.793	0.86%

Sequence No.: 16
Sample ID: D0618-01CMS,18336
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 6/3/05 11:53:37 AM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:22 AM,

Mean Data: D0618-01CMS,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Ag 328.068	15068.0	0.0142	mg/L	0.00009	0.0142	mg/L	0.00009	0.62%
Al 308.215	2658135.4	72.065	mg/L	0.6774	72.065	mg/L	0.6774	0.94%
As 188.979	250.5	0.1401	mg/L	0.00283	0.1401	mg/L	0.00283	2.02%
Ba 233.527	520036.5	5.8547	mg/L	0.01917	5.8547	mg/L	0.01917	0.33%
Be 313.107	364384.5	0.0562	mg/L	0.00036	0.0562	mg/L	0.00036	0.64%
Co 228.616	29362.7	0.5895	mg/L	0.00287	0.5895	mg/L	0.00287	0.49%
Cr 267.716	71362.9	0.2964	mg/L	0.00175	0.2964	mg/L	0.00175	0.59%
Cu 324.752	190953.2	0.4559	mg/L	0.00339	0.4559	mg/L	0.00339	0.74%
Fe 273.955	3380185.2	138.52	mg/L	0.808	138.52	mg/L	0.808	0.58%
Mg 279.077	1760145.4	87.956	mg/L	0.5747	87.956	mg/L	0.5747	0.65%

Mn 257.610	1288220.1	10.837 mg/L	0.0834	10.837 mg/L	0.0834	0.77%
Ni 231.604	51617.9	0.6520 mg/L	0.00380	0.6520 mg/L	0.00380	0.58%
Pb 220.353	1568.2	0.1638 mg/L	0.00054	0.1638 mg/L	0.00054	0.33%
Sb 206.836	399.9	0.0773 mg/L	0.00012	0.0773 mg/L	0.00012	0.16%
Se 196.026	-89.8	0.0012 mg/L	0.00330	0.0012 mg/L	0.00330	282.30%
Tl 190.801	88.6	0.0518 mg/L	0.00064	0.0518 mg/L	0.00064	1.23%
V 292.402	152948.7	0.6005 mg/L	0.00330	0.6005 mg/L	0.00330	0.55%
Zn 206.200	91108.8	0.9198 mg/L	0.00050	0.9198 mg/L	0.00050	0.05%
Na 330.237	201179.8	116.46 mg/L	1.272	116.46 mg/L	1.272	1.09%
Cd 226.502	4090.2	0.0074 mg/L	0.00036	0.0074 mg/L	0.00036	4.84%
Ti 334.940	168762.2	0.2284 mg/L	0.00263	0.2284 mg/L	0.00263	1.15%
Ca 227.546	184760.6	336.17 mg/L	3.747	336.17 mg/L	3.747	1.11%

Sequence No.: 17
Sample ID: D0618-01CSD,18336
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 6/3/05 11:57:45 AM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:23 AM,

Mean Data: D0618-01CSD,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-791.4	-0.0067	mg/L	0.00022	-0.0067	mg/L	0.00022	3.31%
Al 308.215	531567.8	14.412	mg/L	0.2265	14.412	mg/L	0.2265	1.57%
As 188.979	34.2	0.0196	mg/L	0.00055	0.0196	mg/L	0.00055	2.82%
Ba 233.527	72504.7	0.8145	mg/L	0.00949	0.8145	mg/L	0.00949	1.16%
Be 313.107	5217.5	0.0009	mg/L	0.00001	0.0009	mg/L	0.00001	1.46%
Co 228.616	1043.8	0.0202	mg/L	0.00013	0.0202	mg/L	0.00013	0.66%
Cr 267.716	5239.9	0.0209	mg/L	0.00005	0.0209	mg/L	0.00005	0.22%
Cu 324.752	16686.2	0.0405	mg/L	0.00090	0.0405	mg/L	0.00090	2.23%
Fe 273.955	745184.5	30.545	mg/L	0.3851	30.545	mg/L	0.3851	1.26%
Mg 279.077	391509.6	19.563	mg/L	0.2009	19.563	mg/L	0.2009	1.03%
Mn 257.610	279650.3	2.3526	mg/L	0.03046	2.3526	mg/L	0.03046	1.29%
Ni 231.604	2813.2	0.0343	mg/L	0.00011	0.0343	mg/L	0.00011	0.33%
Pb 220.353	298.7	0.0317	mg/L	0.00020	0.0317	mg/L	0.00020	0.63%
Sb 206.836	29.9	0.0018	mg/L	0.00057	0.0018	mg/L	0.00057	31.72%
Se 196.026	-29.4	-0.0036	mg/L	0.00017	-0.0036	mg/L	0.00017	4.66%
Tl 190.801	-10.2	-0.0019	mg/L	0.00168	-0.0019	mg/L	0.00168	89.24%
V 292.402	4516.9	0.0182	mg/L	0.00001	0.0182	mg/L	0.00001	0.03%
Zn 206.200	9432.3	0.0945	mg/L	0.00035	0.0945	mg/L	0.00035	0.38%
Na 330.237	36135.4	20.937	mg/L	0.1672	20.937	mg/L	0.1672	0.80%
Cd 226.502	593.6	0.0003	mg/L	0.00004	0.0003	mg/L	0.00004	11.07%
Ti 334.940	51893.2	0.0690	mg/L	0.00829	0.0690	mg/L	0.00829	12.01%
Ca 227.546	38065.8	69.241	mg/L	1.5643	69.241	mg/L	1.5643	2.26%

Sequence No.: 18
Sample ID: D0618-01CPDS,18336
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 6/3/05 12:01:52 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:24 AM,

6/6/05 TC

Mean Data: D0618-01CPDS,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-3884.2	-0.0339	mg/L	0.00013	-0.0339	mg/L	0.00013	0.38%
Al 308.215	2545228.6	69.011	mg/L	0.1870	69.011	mg/L	0.1870	0.27%
As 188.979	169.4	0.0958	mg/L	0.00099	0.0958	mg/L	0.00099	1.03%
Ba 233.527	326788.0	3.6713	mg/L	0.00380	3.6713	mg/L	0.00380	0.10%
Be 313.107	31061.1	0.0051	mg/L	0.00001	0.0051	mg/L	0.00001	0.22%
Co 228.616	5025.9	0.0978	mg/L	0.00015	0.0978	mg/L	0.00015	0.15%
Cr 267.716	24404.3	0.0978	mg/L	0.00002	0.0978	mg/L	0.00002	0.02%
Cu 324.752	81004.5	0.1961	mg/L	0.00022	0.1961	mg/L	0.00022	0.11%
Fe 273.955	3257548.6	133.52	mg/L	0.209	133.52	mg/L	0.209	0.16%
Mg 279.077	1737591.1	86.820	mg/L	0.0958	86.820	mg/L	0.0958	0.11%
Mn 257.610	1221812.0	10.279	mg/L	0.0027	10.279	mg/L	0.0027	0.03%
Ni 231.604	12913.9	0.1580	mg/L	0.00021	0.1580	mg/L	0.00021	0.13%
Pb 220.353	1340.9	0.1434	mg/L	0.00082	0.1434	mg/L	0.00082	0.57%

Sb 206.836	168.4	0.0169 mg/L	0.00054	0.0169 mg/L	0.00054	3.20%
Se 196.026	-112.8	-0.0089 mg/L	0.00134	-0.0089 mg/L	0.00134	14.95%
Tl 190.801	-13.2	0.0059 mg/L	0.00061	0.0059 mg/L	0.00061	10.27%
V 292.402	23032.5	0.0925 mg/L	0.00021	0.0925 mg/L	0.00021	0.23%
Zn 206.200	41847.0	0.4195 mg/L	0.00036	0.4195 mg/L	0.00036	0.09%
Na 330.237	197934.9	114.59 mg/L	0.386	114.59 mg/L	0.386	0.34%
Cd 226.502	3069.6	0.0034 mg/L	0.00002	0.0034 mg/L	0.00002	0.51%
Ti 334.940	183935.9	0.2478 mg/L	0.00054	0.2478 mg/L	0.00054	0.22%
Ca 227.546	183014.7	333.08 mg/L	0.603	333.08 mg/L	0.603	0.18%

Sequence No.: 19
Sample ID: D0618-05C,18336
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 6/3/05 12:06:01 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:24 AM,

Mean Data: D0618-05C,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	456.7	-0.0155	mg/L	0.00023	-0.0155	mg/L	0.00023	1.51%
Al 308.215	30517.9	0.8276	mg/L	0.00852	0.8276	mg/L	0.00852	1.03%
As 188.979	-0.1	-0.0003	mg/L	0.00373	-0.0003	mg/L	0.00373	>999.9%
Ba 233.527	33790.9	0.3808	mg/L	0.00307	0.3808	mg/L	0.00307	0.81%
Be 313.107	168.0	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	10.40%
Co 228.616	67.6	0.0013	mg/L	0.00006	0.0013	mg/L	0.00006	4.74%
Cr 267.716	259.2	0.0010	mg/L	0.00000	0.0010	mg/L	0.00000	0.30%
Cu 324.752	948.3	0.0017	mg/L	0.00009	0.0017	mg/L	0.00009	5.42%
Fe 273.955	28589.9	1.1719	mg/L	0.00125	1.1719	mg/L	0.00125	0.11%
Mg 279.077	586144.2	29.213	mg/L	0.1892	29.213	mg/L	0.1892	0.65%
Mn 257.610	11850.4	0.0988	mg/L	0.00002	0.0988	mg/L	0.00002	0.02%
Ni 231.604	203.3	0.0025	mg/L	0.00001	0.0025	mg/L	0.00001	0.38%
Pb 220.353	-28.3	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	21.78%
Sb 206.836	7.6	0.0019	mg/L	0.00004	0.0019	mg/L	0.00004	2.20%
Se 196.026	-11.6	-0.0018	mg/L	0.00170	-0.0018	mg/L	0.00170	95.36%
Tl 190.801	-6.7	-0.0017	mg/L	0.00010	-0.0017	mg/L	0.00010	6.17%
V 292.402	211.9	0.0009	mg/L	0.00002	0.0009	mg/L	0.00002	2.34%
Zn 206.200	1179.0	0.0102	mg/L	0.00036	0.0102	mg/L	0.00036	3.55%
Na 330.237	73034.1	42.157	mg/L	0.2530	42.157	mg/L	0.2530	0.60%
Cd 226.502	23.6	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	77.89%
Ti 334.940	204.6	0.0051	mg/L	0.00020	0.0051	mg/L	0.00020	3.96%
Ca 227.546	72595.0	132.80	mg/L	0.861	132.80	mg/L	0.861	0.65%

Sequence No.: 20
Sample ID: CCV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/3/05 12:10:07 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:25 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	465409.4	1.1643	mg/L	0.00710	1.1643	mg/L	0.00710	0.61%
Al 308.215	370102.7	9.9923	mg/L	0.16629	9.9923	mg/L	0.16629	1.66%
As 188.979	958.0	0.5144	mg/L	0.00048	0.5144	mg/L	0.00048	0.09%
Ba 233.527	960216.0	10.851	mg/L	0.0128	10.851	mg/L	0.0128	0.12%
Be 313.107	1718466.8	0.2636	mg/L	0.00020	0.2636	mg/L	0.00020	0.07%
Co 228.616	128435.8	2.5950	mg/L	0.04282	2.5950	mg/L	0.04282	1.65%
Cr 267.716	244469.0	1.0342	mg/L	0.01299	1.0342	mg/L	0.01299	1.26%
Cu 324.752	549885.0	1.2968	mg/L	0.00783	1.2968	mg/L	0.00783	0.60%
Fe 273.955	128525.5	5.1140	mg/L	0.08082	5.1140	mg/L	0.08082	1.58%
Mg 279.077	519472.9	25.941	mg/L	0.4412	25.941	mg/L	0.4412	1.70%
Mn 257.610	311477.7	2.6046	mg/L	0.04230	2.6046	mg/L	0.04230	1.62%
Ni 231.604	202021.2	2.5792	mg/L	0.05032	2.5792	mg/L	0.05032	1.95%
Pb 220.353	6221.9	0.5206	mg/L	0.00224	0.5206	mg/L	0.00224	0.43%
Sb 206.836	1903.7	0.5045	mg/L	0.00189	0.5045	mg/L	0.00189	0.37%
Se 196.026	1279.3	0.5105	mg/L	0.00140	0.5105	mg/L	0.00140	0.27%
Tl 190.801	1146.7	0.5198	mg/L	0.00188	0.5198	mg/L	0.00188	0.36%

V 292.402	670764.9	2.6228 mg/L	0.00506	2.6228 mg/L	0.00506	0.19%
Zn 206.200	259576.4	2.6356 mg/L	0.03955	2.6356 mg/L	0.03955	1.50%
Na 330.237	42925.0	24.827 mg/L	0.5734	24.827 mg/L	0.5734	2.31%
Cd 226.502	61816.5	0.2580 mg/L	0.00338	0.2580 mg/L	0.00338	1.31%
Ti 334.940	-137.6	0.0006 mg/L	0.00012	0.0006 mg/L	0.00012	19.02%
Ca 227.546	14140.6	25.587 mg/L	0.0137	25.587 mg/L	0.0137	0.05%

Sequence No.: 21
Sample ID: CCB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/3/05 12:14:20 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:26 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	265.4	0.0007	mg/L	0.00026	0.0007	mg/L	0.00026	39.28%
Al 308.215	682.0	0.0185	mg/L	0.00143	0.0185	mg/L	0.00143	7.74%
As 188.979	-1.2	-0.0006	mg/L	0.00012	-0.0006	mg/L	0.00012	19.55%
Ba 233.527	148.5	0.0017	mg/L	0.00014	0.0017	mg/L	0.00014	8.12%
Be 313.107	339.8	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	31.37%
Co 228.616	29.0	0.0006	mg/L	0.00000	0.0006	mg/L	0.00000	0.73%
Cr 267.716	16.6	0.0001	mg/L	0.00022	0.0001	mg/L	0.00022	327.39%
Cu 324.752	1071.1	0.0025	mg/L	0.00048	0.0025	mg/L	0.00048	19.07%
Fe 273.955	463.5	0.0190	mg/L	0.00668	0.0190	mg/L	0.00668	35.17%
Mg 279.077	734.1	0.0366	mg/L	0.00336	0.0366	mg/L	0.00336	9.18%
Mn 257.610	192.3	0.0016	mg/L	0.00047	0.0016	mg/L	0.00047	29.14%
Ni 231.604	68.3	0.0009	mg/L	0.00008	0.0009	mg/L	0.00008	9.24%
Pb 220.353	5.3	0.0004	mg/L	0.00006	0.0004	mg/L	0.00006	14.35%
Sb 206.836	17.8	0.0048	mg/L	0.00105	0.0048	mg/L	0.00105	22.09%
Se 196.026	1.2	0.0005	mg/L	0.00051	0.0005	mg/L	0.00051	109.25%
Tl 190.801	2.9	0.0013	mg/L	0.00063	0.0013	mg/L	0.00063	47.01%
V 292.402	92.3	0.0004	mg/L	0.00028	0.0004	mg/L	0.00028	77.65%
Zn 206.200	719.6	0.0073	mg/L	0.00155	0.0073	mg/L	0.00155	21.29%
Na 330.237	-65.2	-0.0377	mg/L	0.06007	-0.0377	mg/L	0.06007	159.50%
Cd 226.502	12.2	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	15.99%
Ti 334.940	42.0	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007	131.39%
Ca 227.546	20.5	0.0372	mg/L	0.00168	0.0372	mg/L	0.00168	4.52%

Sequence No.: 22
Sample ID: D0618-06C,18336
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 6/3/05 12:18:27 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:27 AM,

Mean Data: D0618-06C,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-750.6	-0.0211	mg/L	0.00036	-0.0211	mg/L	0.00036	1.72%
Al 308.215	651826.2	17.670	mg/L	0.3207	17.670	mg/L	0.3207	1.81%
As 188.979	57.6	0.0324	mg/L	0.00207	0.0324	mg/L	0.00207	6.39%
Ba 233.527	83987.2	0.9419	mg/L	0.01328	0.9419	mg/L	0.01328	1.41%
Be 313.107	4716.1	0.0009	mg/L	0.00002	0.0009	mg/L	0.00002	2.59%
Co 228.616	902.1	0.0170	mg/L	0.00008	0.0170	mg/L	0.00008	0.44%
Cr 267.716	6347.2	0.0250	mg/L	0.00010	0.0250	mg/L	0.00010	0.38%
Cu 324.752	20422.9	0.0491	mg/L	0.00155	0.0491	mg/L	0.00155	3.16%
Fe 273.955	987340.0	40.470	mg/L	0.5429	40.470	mg/L	0.5429	1.34%
Mg 279.077	841595.2	42.014	mg/L	0.4745	42.014	mg/L	0.4745	1.13%
Mn 257.610	396478.9	3.3331	mg/L	0.04763	3.3331	mg/L	0.04763	1.43%
Ni 231.604	2609.5	0.0311	mg/L	0.00007	0.0311	mg/L	0.00007	0.24%
Pb 220.353	485.1	0.0509	mg/L	0.00012	0.0509	mg/L	0.00012	0.24%
Sb 206.836	44.3	0.0041	mg/L	0.00063	0.0041	mg/L	0.00063	15.50%
Se 196.026	-38.6	-0.0030	mg/L	0.00233	-0.0030	mg/L	0.00233	78.58%
Tl 190.801	-12.2	-0.0006	mg/L	0.00027	-0.0006	mg/L	0.00027	45.23%
V 292.402	7902.2	0.0317	mg/L	0.00048	0.0317	mg/L	0.00048	1.52%
Zn 206.200	15448.3	0.1540	mg/L	0.00036	0.1540	mg/L	0.00036	0.23%
Na 330.237	134250.9	77.664	mg/L	1.4101	77.664	mg/L	1.4101	1.82%

Cd 226.502	837.9	0.0006 mg/L	0.00002	0.0006 mg/L	0.00002	3.07%
Ti 334.940	114335.2	0.1534 mg/L	0.00351	0.1534 mg/L	0.00351	2.29%
Ca 227.546	104660.0	190.94 mg/L	3.827	190.94 mg/L	3.827	2.00%

Sequence No.: 23
Sample ID: D0618-09C,18336
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 6/3/05 12:22:34 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:28 AM,

Mean Data: D0618-09C,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	273.7	0.0007	mg/L	0.00001	0.0007	mg/L	0.00001	0.74%
Al 308.215	2611.4	0.0708	mg/L	0.00376	0.0708	mg/L	0.00376	5.30%
As 188.979	-1.4	-0.0008	mg/L	0.00111	-0.0008	mg/L	0.00111	147.35%
Ba 233.527	253.2	0.0029	mg/L	0.00052	0.0029	mg/L	0.00052	18.16%
Be 313.107	4.0	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	>999.9%
Co 228.616	43.2	0.0009	mg/L	0.00016	0.0009	mg/L	0.00016	18.42%
Cr 267.716	27.7	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	72.53%
Cu 324.752	1030.3	0.0024	mg/L	0.00030	0.0024	mg/L	0.00030	12.51%
Fe 273.955	891.6	0.0365	mg/L	0.00480	0.0365	mg/L	0.00480	13.14%
Mg 279.077	890.1	0.0444	mg/L	0.00072	0.0444	mg/L	0.00072	1.62%
Mn 257.610	298.6	0.0025	mg/L	0.00049	0.0025	mg/L	0.00049	19.64%
Ni 231.604	93.6	0.0012	mg/L	0.00022	0.0012	mg/L	0.00022	18.13%
Pb 220.353	12.4	0.0010	mg/L	0.00042	0.0010	mg/L	0.00042	40.34%
Sb 206.836	7.0	0.0019	mg/L	0.00002	0.0019	mg/L	0.00002	1.15%
Se 196.026	-2.7	-0.0011	mg/L	0.00032	-0.0011	mg/L	0.00032	30.43%
Tl 190.801	-0.8	-0.0004	mg/L	0.00000	-0.0004	mg/L	0.00000	0.06%
V 292.402	14.2	0.0001	mg/L	0.00016	0.0001	mg/L	0.00016	278.27%
Zn 206.200	898.1	0.0091	mg/L	0.00030	0.0091	mg/L	0.00030	3.30%
Na 330.237	-6.5	-0.0037	mg/L	0.01989	-0.0037	mg/L	0.01989	542.04%
Cd 226.502	10.0	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	32.61%
Ti 334.940	148.1	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	30.78%
Ca 227.546	73.5	0.1340	mg/L	0.00723	0.1340	mg/L	0.00723	5.39%

Sequence No.: 24
Sample ID: MB-18367,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 6/3/05 12:26:41 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:28 AM,

Mean Data: MB-18367,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	105.3	0.0003	mg/L	0.00007	0.0003	mg/L	0.00007	25.39%
Al 308.215	1842.0	0.0500	mg/L	0.00306	0.0500	mg/L	0.00306	6.12%
As 188.979	-2.6	-0.0014	mg/L	0.00036	-0.0014	mg/L	0.00036	26.52%
Ba 233.527	45.3	0.0005	mg/L	0.00005	0.0005	mg/L	0.00005	10.70%
Be 313.107	-5.4	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	87.50%
Co 228.616	12.4	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	9.90%
Cr 267.716	28.1	0.0001	mg/L	0.00013	0.0001	mg/L	0.00013	110.44%
Cu 324.752	574.7	0.0014	mg/L	0.00001	0.0014	mg/L	0.00001	0.47%
Fe 273.955	1027.0	0.0421	mg/L	0.00008	0.0421	mg/L	0.00008	0.19%
Mg 279.077	423.8	0.0212	mg/L	0.00361	0.0212	mg/L	0.00361	17.08%
Mn 257.610	158.7	0.0014	mg/L	0.00003	0.0014	mg/L	0.00003	2.17%
Ni 231.604	20.1	0.0003	mg/L	0.00004	0.0003	mg/L	0.00004	16.20%
Pb 220.353	-1.7	-0.0001	mg/L	0.00043	-0.0001	mg/L	0.00043	333.81%
Sb 206.836	7.2	0.0019	mg/L	0.00029	0.0019	mg/L	0.00029	15.10%
Se 196.026	3.0	0.0012	mg/L	0.00126	0.0012	mg/L	0.00126	105.05%
Tl 190.801	-0.2	-0.0001	mg/L	0.00066	-0.0001	mg/L	0.00066	626.48%
V 292.402	7.6	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010	341.47%
Zn 206.200	1002.8	0.0102	mg/L	0.00010	0.0102	mg/L	0.00010	0.98%
Na 330.237	143.6	0.0832	mg/L	0.08640	0.0832	mg/L	0.08640	103.83%
Cd 226.502	-1.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	172.50%
Ti 334.940	195.0	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	11.15%
Ca 227.546	23.9	0.0431	mg/L	0.00999	0.0431	mg/L	0.00999	23.15%

Sequence No.: 25
Sample ID: LCS-18367,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 6/3/05 12:30:48 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:29 AM,

Mean Data: LCS-18367,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	152632.3	0.3859	mg/L	0.00347	0.3859	mg/L	0.00347	0.90%
Al 308.215	1102354.9	29.888	mg/L	0.3004	29.888	mg/L	0.3004	1.00%
As 188.979	996.5	0.5359	mg/L	0.00026	0.5359	mg/L	0.00026	0.05%
Ba 233.527	92333.5	1.0368	mg/L	0.01223	1.0368	mg/L	0.01223	1.18%
Be 313.107	1983794.7	0.3055	mg/L	0.00363	0.3055	mg/L	0.00363	1.19%
Co 228.616	15939.9	0.3194	mg/L	0.00030	0.3194	mg/L	0.00030	0.09%
Cr 267.716	178360.7	0.7544	mg/L	0.00693	0.7544	mg/L	0.00693	0.92%
Cu 324.752	222028.1	0.5267	mg/L	0.00511	0.5267	mg/L	0.00511	0.97%
Fe 273.955	1062627.8	43.539	mg/L	0.4736	43.539	mg/L	0.4736	1.09%
Mg 279.077	226637.6	11.346	mg/L	0.0928	11.346	mg/L	0.0928	0.82%
Mn 257.610	193392.9	1.6412	mg/L	0.01521	1.6412	mg/L	0.01521	0.93%
Ni 231.604	63499.4	0.8068	mg/L	0.00552	0.8068	mg/L	0.00552	0.68%
Pb 220.353	9659.4	0.8124	mg/L	0.00070	0.8124	mg/L	0.00070	0.09%
Sb 206.836	562.8	0.1362	mg/L	0.00046	0.1362	mg/L	0.00046	0.34%
Se 196.026	1072.1	0.4393	mg/L	0.00047	0.4393	mg/L	0.00047	0.11%
Tl 190.801	1038.7	0.4722	mg/L	0.00057	0.4722	mg/L	0.00057	0.12%
V 292.402	85377.9	0.3352	mg/L	0.00328	0.3352	mg/L	0.00328	0.98%
Zn 206.200	95099.0	0.9661	mg/L	0.00268	0.9661	mg/L	0.00268	0.28%
Na 330.237	7793.1	5.1211	mg/L	0.09602	5.1211	mg/L	0.09602	1.87%
Cd 226.502	132401.0	0.5491	mg/L	0.00396	0.5491	mg/L	0.00396	0.72%
Ti 334.940	745739.3	0.9559	mg/L	0.01206	0.9559	mg/L	0.01206	1.26%
Ca 227.546	10952.0	19.427	mg/L	0.0688	19.427	mg/L	0.0688	0.35%

Sequence No.: 26
Sample ID: D0609-06A,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 6/3/05 12:35:02 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:30 AM,

Mean Data: D0609-06A,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-1792.6	0.0010	mg/L	0.00012	0.0010	mg/L	0.00012	11.88%
Al 308.215	1424282.9	38.633	mg/L	0.0464	38.633	mg/L	0.0464	0.12%
As 188.979	58.7	0.0343	mg/L	0.00155	0.0343	mg/L	0.00155	4.53%
Ba 233.527	20821.1	0.2249	mg/L	0.00036	0.2249	mg/L	0.00036	0.16%
Be 313.107	7507.1	0.0017	mg/L	0.00003	0.0017	mg/L	0.00003	1.53%
Co 228.616	1134.2	0.0206	mg/L	0.00003	0.0206	mg/L	0.00003	0.13%
Cr 267.716	9653.1	0.0403	mg/L	0.00001	0.0403	mg/L	0.00001	0.02%
Cu 324.752	30909.1	0.0791	mg/L	0.00054	0.0791	mg/L	0.00054	0.68%
Fe 273.955	1640785.5	67.254	mg/L	0.0083	67.254	mg/L	0.0083	0.01%
Mg 279.077	433362.3	21.635	mg/L	0.0541	21.635	mg/L	0.0541	0.25%
Mn 257.610	89567.6	0.7882	mg/L	0.00096	0.7882	mg/L	0.00096	0.12%
Ni 231.604	3834.8	0.0450	mg/L	0.00008	0.0450	mg/L	0.00008	0.19%
Pb 220.353	3664.3	0.3189	mg/L	0.00044	0.3189	mg/L	0.00044	0.14%
Sb 206.836	71.7	0.0042	mg/L	0.00133	0.0042	mg/L	0.00133	31.66%
Se 196.026	-52.4	-0.0022	mg/L	0.00071	-0.0022	mg/L	0.00071	32.58%
Tl 190.801	4.9	0.0005	mg/L	0.00172	0.0005	mg/L	0.00172	360.16%
V 292.402	16639.3	0.0658	mg/L	0.00002	0.0658	mg/L	0.00002	0.04%
Zn 206.200	49973.9	0.5065	mg/L	0.00108	0.5065	mg/L	0.00108	0.21%
Na 330.237	1955.0	1.4452	mg/L	0.09311	1.4452	mg/L	0.09311	6.44%
Cd 226.502	1570.2	0.0018	mg/L	0.00006	0.0018	mg/L	0.00006	3.25%
Ti 334.940	323006.1	0.4151	mg/L	0.00014	0.4151	mg/L	0.00014	0.03%
Ca 227.546	20543.3	36.727	mg/L	0.0749	36.727	mg/L	0.0749	0.20%

Sequence No.: 27

Autosampler Location: 53

Sample ID: D0609-06ADUP,18367
Analyst:
Sample Wt:
Dilution:

Date Collected: 6/3/05 12:39:13 PM
Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:31 AM,

Mean Data: D0609-06ADUP,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-1406.0	-0.0021	mg/L	0.00010	-0.0021	mg/L	0.00010	4.89%
Al 308.215	1326750.5	35.987	mg/L	0.2575	35.987	mg/L	0.2575	0.72%
As 188.979	54.6	0.0311	mg/L	0.00081	0.0311	mg/L	0.00081	2.61%
Ba 233.527	22401.0	0.2443	mg/L	0.00249	0.2443	mg/L	0.00249	1.02%
Be 313.107	7453.5	0.0017	mg/L	0.00000	0.0017	mg/L	0.00000	0.27%
Co 228.616	1049.6	0.0192	mg/L	0.00011	0.0192	mg/L	0.00011	0.58%
Cr 267.716	9319.2	0.0389	mg/L	0.00018	0.0389	mg/L	0.00018	0.46%
Cu 324.752	36455.4	0.0908	mg/L	0.00040	0.0908	mg/L	0.00040	0.44%
Fe 273.955	1364532.6	55.930	mg/L	0.4880	55.930	mg/L	0.4880	0.87%
Mg 279.077	574777.1	28.680	mg/L	0.2555	28.680	mg/L	0.2555	0.89%
Mn 257.610	99359.5	0.8632	mg/L	0.00630	0.8632	mg/L	0.00630	0.73%
Ni 231.604	3561.8	0.0421	mg/L	0.00014	0.0421	mg/L	0.00014	0.34%
Pb 220.353	4547.3	0.3908	mg/L	0.00178	0.3908	mg/L	0.00178	0.46%
Sb 206.836	61.5	0.0033	mg/L	0.00020	0.0033	mg/L	0.00020	6.07%
Se 196.026	-42.8	-0.0010	mg/L	0.00020	-0.0010	mg/L	0.00020	20.34%
Tl 190.801	-0.3	-0.0014	mg/L	0.00141	-0.0014	mg/L	0.00141	104.29%
V 292.402	15526.2	0.0614	mg/L	0.00023	0.0614	mg/L	0.00023	0.37%
Zn 206.200	47216.9	0.4782	mg/L	0.00468	0.4782	mg/L	0.00468	0.98%
Na 330.237	2263.4	1.5780	mg/L	0.02654	1.5780	mg/L	0.02654	1.68%
Cd 226.502	1375.9	0.0018	mg/L	0.00001	0.0018	mg/L	0.00001	0.72%
Ti 334.940	302817.9	0.3901	mg/L	0.00420	0.3901	mg/L	0.00420	1.08%
Ca 227.546	33083.8	59.813	mg/L	0.2909	59.813	mg/L	0.2909	0.49%

Sequence No.: 28
Sample ID: D0609-06AMS,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 6/3/05 12:43:23 PM
Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:31 AM,

Mean Data: D0609-06AMS,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	16037.6	0.0449	mg/L	0.00035	0.0449	mg/L	0.00035	0.77%
Al 308.215	1472367.7	39.927	mg/L	0.3479	39.927	mg/L	0.3479	0.87%
As 188.979	133.4	0.0745	mg/L	0.00060	0.0745	mg/L	0.00060	0.81%
Ba 233.527	210273.1	2.3667	mg/L	0.02964	2.3667	mg/L	0.02964	1.25%
Be 313.107	327936.9	0.0509	mg/L	0.00043	0.0509	mg/L	0.00043	0.84%
Co 228.616	25737.4	0.5177	mg/L	0.00463	0.5177	mg/L	0.00463	0.89%
Cr 267.716	56247.2	0.2373	mg/L	0.00235	0.2373	mg/L	0.00235	0.99%
Cu 324.752	138529.0	0.3322	mg/L	0.00436	0.3322	mg/L	0.00436	1.31%
Fe 273.955	1538832.8	63.045	mg/L	0.6079	63.045	mg/L	0.6079	0.96%
Mg 279.077	414694.5	20.717	mg/L	0.2030	20.717	mg/L	0.2030	0.98%
* Mn 257.610	174459.3	1.4948	mg/L	0.01214	1.4948	mg/L	0.01214	0.81%
Ni 231.604	42355.1	0.5370	mg/L	0.00585	0.5370	mg/L	0.00585	1.09%
Pb 220.353	4758.1	0.4099	mg/L	0.00129	0.4099	mg/L	0.00129	0.31%
* Sb 206.836	186.4	0.0347	mg/L	0.00141	0.0347	mg/L	0.00141	4.06%
* Se 196.026	-26.3	0.0066	mg/L	0.00018	0.0066	mg/L	0.00018	2.68%
Tl 190.801	113.0	0.0496	mg/L	0.00027	0.0496	mg/L	0.00027	0.55%
V 292.402	144722.2	0.5666	mg/L	0.00598	0.5666	mg/L	0.00598	1.06%
Zn 206.200	98116.1	0.9955	mg/L	0.01300	0.9955	mg/L	0.01300	1.31%
Na 330.237	3799.0	2.5240	mg/L	0.00391	2.5240	mg/L	0.00391	0.16%
Cd 226.502	2741.5	0.0071	mg/L	0.00005	0.0071	mg/L	0.00005	0.71%
Ti 334.940	349074.1	0.4487	mg/L	0.00531	0.4487	mg/L	0.00531	1.18%
Ca 227.546	23429.9	42.018	mg/L	0.1566	42.018	mg/L	0.1566	0.37%

Sequence No.: 29
Sample ID: CRI
Analyst:
Sample Wt:

Autosampler Location: 7
Date Collected: 6/3/05 12:47:35 PM
Sample Prep Volume:

Dilution: Data Type: Reprocessed on 6/6/05 9:52:32 AM,

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	7820.1	0.0196	mg/L	0.00006	0.0196	mg/L	0.00006	0.28%
Al 308.215	736.6	0.0183	mg/L	0.00312	0.0183	mg/L	0.00312	17.04%
As 188.979	38.3	0.0205	mg/L	0.00012	0.0205	mg/L	0.00012	0.61%
Ba 233.527	82.3	0.0009	mg/L	0.00025	0.0009	mg/L	0.00025	28.48%
Be 313.107	66180.3	0.0102	mg/L	0.00003	0.0102	mg/L	0.00003	0.30%
Co 228.616	5272.0	0.1065	mg/L	0.00005	0.1065	mg/L	0.00005	0.05%
Cr 267.716	4888.3	0.0207	mg/L	0.00004	0.0207	mg/L	0.00004	0.19%
Cu 324.752	22005.1	0.0519	mg/L	0.00025	0.0519	mg/L	0.00025	0.48%
Fe 273.955	680.6	0.0218	mg/L	0.00610	0.0218	mg/L	0.00610	27.97%
Mg 279.077	645.7	0.0330	mg/L	0.00808	0.0330	mg/L	0.00808	24.52%
Mn 257.610	3938.7	0.0329	mg/L	0.00018	0.0329	mg/L	0.00018	0.55%
Ni 231.604	6621.4	0.0845	mg/L	0.00053	0.0845	mg/L	0.00053	0.62%
Pb 220.353	88.7	0.0074	mg/L	0.00032	0.0074	mg/L	0.00032	4.26%
Sb 206.836	485.5	0.1299	mg/L	0.00186	0.1299	mg/L	0.00186	1.43%
Se 196.026	22.4	0.0089	mg/L	0.00044	0.0089	mg/L	0.00044	4.90%
Tl 190.801	48.8	0.0221	mg/L	0.00153	0.0221	mg/L	0.00153	6.92%
V 292.402	26456.8	0.1034	mg/L	0.00038	0.1034	mg/L	0.00038	0.37%
Zn 206.200	4919.7	0.0500	mg/L	0.00099	0.0500	mg/L	0.00099	1.98%
Na 330.237	174.2	0.1014	mg/L	0.00013	0.1014	mg/L	0.00013	0.13%
Cd 226.502	2526.4	0.0106	mg/L	0.00004	0.0106	mg/L	0.00004	0.40%
Ti 334.940	130.2	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	37.01%
Ca 227.546	34.7	0.0554	mg/L	0.03136	0.0554	mg/L	0.03136	56.64%

Sequence No.: 30
Sample ID: ICSA
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/3/05 12:51:44 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:33 AM,

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-5314.1	0.0013	mg/L	0.00113	0.0013	mg/L	0.00113	90.23%
Al 308.215	17262415.9	468.32	mg/L	2.265	468.32	mg/L	2.265	0.48%
As 188.979	48.2	-0.0056	mg/L	0.00049	-0.0056	mg/L	0.00049	8.69%
Ba 233.527	2487.6	-0.0033	mg/L	0.00021	-0.0033	mg/L	0.00021	6.28%
Be 313.107	-205.6	-0.0001	mg/L	0.00000	-0.0001	mg/L	0.00000	4.32%
Co 228.616	130.6	-0.0015	mg/L	0.00002	-0.0015	mg/L	0.00002	1.51%
Cr 267.716	206.2	0.0009	mg/L	0.00004	0.0009	mg/L	0.00004	4.66%
Cu 324.752	-6971.8	-0.0049	mg/L	0.00050	-0.0049	mg/L	0.00050	10.27%
Fe 273.955	4030081.0	165.20	mg/L	1.304	165.20	mg/L	1.304	0.79%
Mg 279.077	9030481.0	450.09	mg/L	2.110	450.09	mg/L	2.110	0.47%
Mn 257.610	-14049.1	0.0032	mg/L	0.00212	0.0032	mg/L	0.00212	66.08%
Ni 231.604	303.6	-0.0042	mg/L	0.00004	-0.0042	mg/L	0.00004	1.03%
Pb 220.353	-1398.5	0.0010	mg/L	0.00042	0.0010	mg/L	0.00042	41.52%
Sb 206.836	411.9	0.0064	mg/L	0.00015	0.0064	mg/L	0.00015	2.40%
Se 196.026	-154.8	0.0025	mg/L	0.00109	0.0025	mg/L	0.00109	44.27%
Tl 190.801	65.5	-0.0003	mg/L	0.00377	-0.0003	mg/L	0.00377	>999.9%
V 292.402	-960.9	-0.0006	mg/L	0.00008	-0.0006	mg/L	0.00008	13.79%
Zn 206.200	1785.2	0.0096	mg/L	0.00032	0.0096	mg/L	0.00032	3.36%
Na 330.237	-203.0	-0.3033	mg/L	0.00477	-0.3033	mg/L	0.00477	1.57%
Cd 226.502	3342.0	0.0036	mg/L	0.00065	0.0036	mg/L	0.00065	17.95%
Ti 334.940	-17062.2	-0.0043	mg/L	0.00026	-0.0043	mg/L	0.00026	6.04%
Ca 227.546	263372.6	479.95	mg/L	9.253	479.95	mg/L	9.253	1.93%

Sequence No.: 31
Sample ID: ICSAB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 6/3/05 12:56:07 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:34 AM,

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	69143.4	0.1870	mg/L	0.00161	0.1870	mg/L	0.00161	0.86%
Al 308.215	17381203.9	471.53	mg/L	0.963	471.53	mg/L	0.963	0.20%
As 188.979	221.5	0.0889	mg/L	0.00150	0.0889	mg/L	0.00150	1.69%
Ba 233.527	46384.6	0.4921	mg/L	0.00623	0.4921	mg/L	0.00623	1.27%
Be 313.107	3020215.0	0.4632	mg/L	0.00105	0.4632	mg/L	0.00105	0.23%
Co 228.616	21831.8	0.4369	mg/L	0.00558	0.4369	mg/L	0.00558	1.28%
Cr 267.716	108541.0	0.4596	mg/L	0.00405	0.4596	mg/L	0.00405	0.88%
Cu 324.752	196636.6	0.4756	mg/L	0.00315	0.4756	mg/L	0.00315	0.66%
Fe 273.955	4092042.4	167.71	mg/L	0.000	167.71	mg/L	0.000	0.00%
Mg 279.077	9052796.1	451.21	mg/L	0.145	451.21	mg/L	0.145	0.03%
Mn 257.610	41745.7	0.4709	mg/L	0.00594	0.4709	mg/L	0.00594	1.26%
Ni 231.604	67507.1	0.8539	mg/L	0.01230	0.8539	mg/L	0.01230	1.44%
Pb 220.353	-903.0	0.0438	mg/L	0.00051	0.0438	mg/L	0.00051	1.16%
Sb 206.836	2653.7	0.6034	mg/L	0.00142	0.6034	mg/L	0.00142	0.24%
Se 196.026	-50.2	0.0447	mg/L	0.00368	0.0447	mg/L	0.00368	8.23%
Tl 190.801	254.0	0.0851	mg/L	0.00130	0.0851	mg/L	0.00130	1.53%
V 292.402	119865.9	0.4723	mg/L	0.00458	0.4723	mg/L	0.00458	0.97%
Zn 206.200	86741.0	0.8728	mg/L	0.00029	0.8728	mg/L	0.00029	0.03%
Na 330.237	2706.3	1.3820	mg/L	0.03759	1.3820	mg/L	0.03759	2.72%
Cd 226.502	210845.1	0.8687	mg/L	0.00657	0.8687	mg/L	0.00657	0.76%
Ti 334.940	-17304.0	-0.0044	mg/L	0.00003	-0.0044	mg/L	0.00003	0.68%
Ca 227.546	268212.4	488.72	mg/L	8.479	488.72	mg/L	8.479	1.73%

Sequence No.: 32
Sample ID: CCV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/3/05 1:00:25 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:35 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	464952.8	1.1632	mg/L	0.00527	1.1632	mg/L	0.00527	0.45%
Al 308.215	376919.3	10.177	mg/L	0.0267	10.177	mg/L	0.0267	0.26%
As 188.979	950.1	0.5102	mg/L	0.00097	0.5102	mg/L	0.00097	0.19%
Ba 233.527	966568.1	10.923	mg/L	0.0209	10.923	mg/L	0.0209	0.19%
Be 313.107	1717890.0	0.2635	mg/L	0.00014	0.2635	mg/L	0.00014	0.05%
Co 228.616	127987.5	2.5860	mg/L	0.00284	2.5860	mg/L	0.00284	0.11%
Cr 267.716	246043.2	1.0409	mg/L	0.00924	1.0409	mg/L	0.00924	0.89%
Cu 324.752	551742.4	1.3012	mg/L	0.00034	1.3012	mg/L	0.00034	0.03%
Fe 273.955	130666.5	5.2013	mg/L	0.02489	5.2013	mg/L	0.02489	0.48%
Mg 279.077	524530.4	26.193	mg/L	0.0401	26.193	mg/L	0.0401	0.15%
Mn 257.610	310879.6	2.5997	mg/L	0.00819	2.5997	mg/L	0.00819	0.31%
Ni 231.604	200529.5	2.5602	mg/L	0.00883	2.5602	mg/L	0.00883	0.35%
Pb 220.353	6293.2	0.5266	mg/L	0.00014	0.5266	mg/L	0.00014	0.03%
Sb 206.836	1911.8	0.5066	mg/L	0.00293	0.5066	mg/L	0.00293	0.58%
Se 196.026	1275.0	0.5088	mg/L	0.00009	0.5088	mg/L	0.00009	0.02%
Tl 190.801	1159.2	0.5255	mg/L	0.00004	0.5255	mg/L	0.00004	0.01%
V 292.402	672766.9	2.6306	mg/L	0.00492	2.6306	mg/L	0.00492	0.19%
Zn 206.200	262118.0	2.6614	mg/L	0.01249	2.6614	mg/L	0.01249	0.47%
Na 330.237	42872.2	24.796	mg/L	0.2210	24.796	mg/L	0.2210	0.89%
Cd 226.502	62165.5	0.2594	mg/L	0.00159	0.2594	mg/L	0.00159	0.61%
Ti 334.940	-133.6	0.0007	mg/L	0.00006	0.0007	mg/L	0.00006	8.78%
Ca 227.546	14277.9	25.838	mg/L	0.0043	25.838	mg/L	0.0043	0.02%

Sequence No.: 33
Sample ID: CCB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/3/05 1:04:37 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:35 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD

Ag 328.068	300.9	0.0008 mg/L	0.00032	0.0008 mg/L	0.00032	42.34%
Al 308.215	4019.8	0.1090 mg/L	0.02476	0.1090 mg/L	0.02476	22.70%
As 188.979	-0.8	-0.0004 mg/L	0.00005	-0.0004 mg/L	0.00005	11.44%
Ba 233.527	223.0	0.0025 mg/L	0.00021	0.0025 mg/L	0.00021	8.45%
Be 313.107	844.7	0.0001 mg/L	0.00003	0.0001 mg/L	0.00003	20.20%
Co 228.616	54.6	0.0011 mg/L	0.00008	0.0011 mg/L	0.00008	6.83%
Cr 267.716	27.8	0.0001 mg/L	0.00002	0.0001 mg/L	0.00002	20.23%
Cu 324.752	1851.9	0.0044 mg/L	0.00093	0.0044 mg/L	0.00093	21.18%
Fe 273.955	1802.4	0.0739 mg/L	0.02057	0.0739 mg/L	0.02057	27.85%
Mg 279.077	5031.3	0.2508 mg/L	0.02230	0.2508 mg/L	0.02230	8.89%
Mn 257.610	128.2	0.0011 mg/L	0.00008	0.0011 mg/L	0.00008	7.35%
Ni 231.604	129.5	0.0016 mg/L	0.00010	0.0016 mg/L	0.00010	6.37%
Pb 220.353	14.7	0.0013 mg/L	0.00037	0.0013 mg/L	0.00037	29.60%
Sb 206.836	15.3	0.0041 mg/L	0.00089	0.0041 mg/L	0.00089	21.75%
Se 196.026	-2.7	-0.0011 mg/L	0.00109	-0.0011 mg/L	0.00109	103.35%
Tl 190.801	2.3	0.0011 mg/L	0.00010	0.0011 mg/L	0.00010	9.39%
V 292.402	123.0	0.0005 mg/L	0.00021	0.0005 mg/L	0.00021	42.86%
Zn 206.200	870.8	0.0088 mg/L	0.00159	0.0088 mg/L	0.00159	18.03%
Na 330.237	-64.5	-0.0372 mg/L	0.07552	-0.0372 mg/L	0.07552	202.86%
Cd 226.502	62.0	0.0003 mg/L	0.00002	0.0003 mg/L	0.00002	6.09%
Ti 334.940	85.5	0.0001 mg/L	0.00005	0.0001 mg/L	0.00005	39.50%
Ca 227.546	93.5	0.1699 mg/L	0.06002	0.1699 mg/L	0.06002	35.32%

Sequence No.: 34
Sample ID: D0609-06ASD,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 6/3/05 1:08:44 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:36 AM,

Mean Data: D0609-06ASD,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	-215.5	0.0006	mg/L	0.00007	0.0006	mg/L	0.00007	10.05%
Al 308.215	293679.1	7.9659	mg/L	0.02049	7.9659	mg/L	0.02049	0.26%
As 188.979	11.3	0.0067	mg/L	0.00002	0.0067	mg/L	0.00002	0.26%
Ba 233.527	4424.8	0.0478	mg/L	0.00031	0.0478	mg/L	0.00031	0.64%
Be 313.107	2011.5	0.0004	mg/L	0.00000	0.0004	mg/L	0.00000	0.72%
Co 228.616	264.3	0.0048	mg/L	0.00003	0.0048	mg/L	0.00003	0.55%
Cr 267.716	2039.7	0.0085	mg/L	0.00026	0.0085	mg/L	0.00026	3.01%
Cu 324.752	6433.2	0.0165	mg/L	0.00006	0.0165	mg/L	0.00006	0.39%
Fe 273.955	349847.8	14.340	mg/L	0.0667	14.340	mg/L	0.0667	0.47%
Mg 279.077	94367.8	4.7110	mg/L	0.02553	4.7110	mg/L	0.02553	0.54%
Mn 257.610	18766.8	0.1653	mg/L	0.00091	0.1653	mg/L	0.00091	0.55%
Ni 231.604	876.7	0.0104	mg/L	0.00023	0.0104	mg/L	0.00023	2.23%
Pb 220.353	767.7	0.0668	mg/L	0.00003	0.0668	mg/L	0.00003	0.05%
Sb 206.836	17.9	0.0016	mg/L	0.00114	0.0016	mg/L	0.00114	69.52%
Se 196.026	-13.7	-0.0015	mg/L	0.00100	-0.0015	mg/L	0.00100	68.02%
Tl 190.801	0.8	0.0000	mg/L	0.00028	0.0000	mg/L	0.00028	>999.9%
V 292.402	3539.3	0.0140	mg/L	0.00011	0.0140	mg/L	0.00011	0.77%
Zn 206.200	10610.5	0.1075	mg/L	0.00040	0.1075	mg/L	0.00040	0.37%
Na 330.237	392.2	0.2923	mg/L	0.08974	0.2923	mg/L	0.08974	30.70%
Cd 226.502	340.7	0.0004	mg/L	0.00003	0.0004	mg/L	0.00003	6.13%
Ti 334.940	66466.3	0.0854	mg/L	0.00056	0.0854	mg/L	0.00056	0.66%
Ca 227.546	4252.0	7.5962	mg/L	0.01271	7.5962	mg/L	0.01271	0.17%

Sequence No.: 35
Sample ID: D0609-06APDS,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 6/3/05 1:12:45 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:37 AM,

6/6/05 TS

Mean Data: D0609-06APDS,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	-1720.6	0.0012	mg/L	0.00014	0.0012	mg/L	0.00014	12.26%
Al 308.215	1405825.8	38.132	mg/L	0.0400	38.132	mg/L	0.0400	0.10%
As 188.979	55.4	0.0325	mg/L	0.00070	0.0325	mg/L	0.00070	2.14%

Ba 233.527	20694.4	0.2236 mg/L	0.00070	0.2236 mg/L	0.00070	0.31%
Be 313.107	13981.3	0.0027 mg/L	0.00000	0.0027 mg/L	0.00000	0.05%
Co 228.616	1629.6	0.0306 mg/L	0.00014	0.0306 mg/L	0.00014	0.47%
Cr 267.716	10068.5	0.0421 mg/L	0.00009	0.0421 mg/L	0.00009	0.21%
Cu 324.752	33695.9	0.0856 mg/L	0.00088	0.0856 mg/L	0.00088	1.02%
Fe 273.955	1622842.4	66.518 mg/L	0.0164	66.518 mg/L	0.0164	0.02%
Mg 279.077	428623.2	21.399 mg/L	0.0110	21.399 mg/L	0.0110	0.05%
Mn 257.610	88658.4	0.7802 mg/L	0.00105	0.7802 mg/L	0.00105	0.14%
Ni 231.604	4420.8	0.0525 mg/L	0.00028	0.0525 mg/L	0.00028	0.53%
Pb 220.353	3648.7	0.3174 mg/L	0.00084	0.3174 mg/L	0.00084	0.26%
Sb 206.836	115.7	0.0161 mg/L	0.00038	0.0161 mg/L	0.00038	2.34%
Se 196.026	-45.5	0.0004 mg/L	0.00171	0.0004 mg/L	0.00171	481.38%
Tl 190.801	5.1	0.0006 mg/L	0.00144	0.0006 mg/L	0.00144	239.78%
V 292.402	19027.0	0.0751 mg/L	0.00028	0.0751 mg/L	0.00028	0.37%
Zn 206.200	50112.4	0.5080 mg/L	0.00091	0.5080 mg/L	0.00091	0.18%
Na 330.237	2152.1	1.5563 mg/L	0.00431	1.5563 mg/L	0.00431	0.28%
Cd 226.502	1786.8	0.0028 mg/L	0.00000	0.0028 mg/L	0.00000	0.07%
Ti 334.940	320179.7	0.4115 mg/L	0.00045	0.4115 mg/L	0.00045	0.11%
Ca 227.546	20283.8	36.260 mg/L	0.0936	36.260 mg/L	0.0936	0.26%

Sequence No.: 36
Sample ID: D0609-07A,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 6/3/05 1:16:50 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:38 AM,

Mean Data: D0609-07A,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	-1731.6	-0.0038	mg/L	0.00007	-0.0038	mg/L	0.00007	1.87%
Al 308.215	1222173.7	33.149	mg/L	0.0665	33.149	mg/L	0.0665	0.20%
As 188.979	95.1	0.0542	mg/L	0.00051	0.0542	mg/L	0.00051	0.94%
Ba 233.527	55177.6	0.6131	mg/L	0.00024	0.6131	mg/L	0.00024	0.04%
Be 313.107	6370.2	0.0016	mg/L	0.00001	0.0016	mg/L	0.00001	0.54%
Co 228.616	1389.6	0.0257	mg/L	0.00010	0.0257	mg/L	0.00010	0.39%
Cr 267.716	10994.1	0.0456	mg/L	0.00002	0.0456	mg/L	0.00002	0.04%
Cu 324.752	263647.3	0.6284	mg/L	0.00218	0.6284	mg/L	0.00218	0.35%
Fe 273.955	1644020.0	67.386	mg/L	0.0120	67.386	mg/L	0.0120	0.02%
Mg 279.077	351667.7	17.570	mg/L	0.0021	17.570	mg/L	0.0021	0.01%
Mn 257.610	125274.6	1.0859	mg/L	0.00293	1.0859	mg/L	0.00293	0.27%
Ni 231.604	4506.9	0.0535	mg/L	0.00013	0.0535	mg/L	0.00013	0.24%
Pb 220.353	20692.2	1.7298	mg/L	0.00002	1.7298	mg/L	0.00002	0.00%
Sb 206.836	89.4	0.0099	mg/L	0.00010	0.0099	mg/L	0.00010	0.99%
Se 196.026	-46.5	0.0004	mg/L	0.00029	0.0004	mg/L	0.00029	75.60%
Tl 190.801	1.2	-0.0001	mg/L	0.00039	-0.0001	mg/L	0.00039	589.22%
V 292.402	15960.4	0.0632	mg/L	0.00022	0.0632	mg/L	0.00022	0.35%
Zn 206.200	254455.6	2.5817	mg/L	0.01578	2.5817	mg/L	0.01578	0.61%
Na 330.237	9094.7	5.5775	mg/L	0.06089	5.5775	mg/L	0.06089	1.09%
Cd 226.502	2230.1	0.0045	mg/L	0.00002	0.0045	mg/L	0.00002	0.35%
Ti 334.940	340850.5	0.4391	mg/L	0.00067	0.4391	mg/L	0.00067	0.15%
Ca 227.546	36992.7	66.806	mg/L	0.1636	66.806	mg/L	0.1636	0.24%

Sequence No.: 37
Sample ID: D0609-15A,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 6/3/05 1:20:57 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:38 AM,

Mean Data: D0609-15A,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	-3871.5	0.0035	mg/L	0.00001	0.0035	mg/L	0.00001	0.39%
Al 308.215	1691421.6	45.878	mg/L	0.1729	45.878	mg/L	0.1729	0.38%
As 188.979	83.4	0.0516	mg/L	0.00191	0.0516	mg/L	0.00191	3.69%
Ba 233.527	24055.9	0.2548	mg/L	0.00156	0.2548	mg/L	0.00156	0.61%
Be 313.107	15146.2	0.0032	mg/L	0.00001	0.0032	mg/L	0.00001	0.44%
Co 228.616	1408.3	0.0246	mg/L	0.00014	0.0246	mg/L	0.00014	0.55%

Cr 267.716	17219.1	0.0723 mg/L	0.00061	0.0723 mg/L	0.00061	0.85%
Cu 324.752	63861.1	0.1620 mg/L	0.00192	0.1620 mg/L	0.00192	1.18%
Fe 273.955	2774533.4	113.72 mg/L	0.158	113.72 mg/L	0.158	0.14%
Mg 279.077	243505.5	12.192 mg/L	0.0009	12.192 mg/L	0.0009	0.01%
Mn 257.610	95346.2	0.8635 mg/L	0.00115	0.8635 mg/L	0.00115	0.13%
Ni 231.604	5030.1	0.0576 mg/L	0.00015	0.0576 mg/L	0.00015	0.26%
Pb 220.353	544.4	0.0661 mg/L	0.00036	0.0661 mg/L	0.00036	0.54%
Sb 206.836	96.8	0.0040 mg/L	0.00015	0.0040 mg/L	0.00015	3.86%
Se 196.026	-86.4	-0.0040 mg/L	0.00036	-0.0040 mg/L	0.00036	9.17%
Tl 190.801	5.7	0.0000 mg/L	0.00009	0.0000 mg/L	0.00009	>999.9%
V 292.402	29082.5	0.1149 mg/L	0.00020	0.1149 mg/L	0.00020	0.17%
Zn 206.200	23315.6	0.2363 mg/L	0.00466	0.2363 mg/L	0.00466	1.97%
Na 330.237	783.0	0.9844 mg/L	0.04671	0.9844 mg/L	0.04671	4.74%
Cd 226.502	2161.6	0.0009 mg/L	0.00007	0.0009 mg/L	0.00007	7.42%
Ti 334.940	498156.1	0.6386 mg/L	0.00559	0.6386 mg/L	0.00559	0.88%
Ca 227.546	7457.6	12.188 mg/L	0.0001	12.188 mg/L	0.0001	0.00%

Sequence No.: 38
Sample ID: D0609-16A,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 6/3/05 1:25:03 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:39 AM,

Mean Data: D0609-16A,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-1592.4	-0.0375	mg/L	0.00005	-0.0375	mg/L	0.00005	0.14%
Al 308.215	730721.6	19.810	mg/L	0.0895	19.810	mg/L	0.0895	0.45%
As 188.979	28.0	0.0183	mg/L	0.00110	0.0183	mg/L	0.00110	5.99%
Ba 233.527	11405.8	0.1185	mg/L	0.00026	0.1185	mg/L	0.00026	0.22%
Be 313.107	5927.5	0.0014	mg/L	0.00001	0.0014	mg/L	0.00001	0.82%
Co 228.616	1273.8	0.0237	mg/L	0.00012	0.0237	mg/L	0.00012	0.52%
Cr 267.716	8981.5	0.0363	mg/L	0.00013	0.0363	mg/L	0.00013	0.35%
Cu 324.752	23033.8	0.0567	mg/L	0.00015	0.0567	mg/L	0.00015	0.27%
Fe 273.955	1364225.5	55.919	mg/L	0.1068	55.919	mg/L	0.1068	0.19%
Mg 279.077	387493.1	19.385	mg/L	0.0089	19.385	mg/L	0.0089	0.05%
Mn 257.610	359764.9	3.0351	mg/L	0.00653	3.0351	mg/L	0.00653	0.22%
Ni 231.604	4865.3	0.0588	mg/L	0.00020	0.0588	mg/L	0.00020	0.34%
Pb 220.353	14.6	0.0158	mg/L	0.00035	0.0158	mg/L	0.00035	2.23%
Sb 206.836	46.7	0.0030	mg/L	0.00110	0.0030	mg/L	0.00110	36.90%
Se 196.026	-45.2	0.0005	mg/L	0.00154	0.0005	mg/L	0.00154	286.73%
Tl 190.801	-8.3	0.0019	mg/L	0.00039	0.0019	mg/L	0.00039	20.93%
V 292.402	10199.6	0.0407	mg/L	0.00028	0.0407	mg/L	0.00028	0.69%
Zn 206.200	12385.7	0.1229	mg/L	0.00001	0.1229	mg/L	0.00001	0.01%
Na 330.237	1234.2	0.8354	mg/L	0.04093	0.8354	mg/L	0.04093	4.90%
Cd 226.502	1299.2	0.0014	mg/L	0.00000	0.0014	mg/L	0.00000	0.12%
Ti 334.940	287930.7	0.3797	mg/L	0.00148	0.3797	mg/L	0.00148	0.39%
Ca 227.546	163311.7	298.04	mg/L	1.412	298.04	mg/L	1.412	0.47%

Sequence No.: 39
Sample ID: D0623-01B,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 6/3/05 1:29:08 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:40 AM,

Mean Data: D0623-01B,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	42486.5	0.0919	mg/L	0.00019	0.0919	mg/L	0.00019	0.21%
Al 308.215	946837.7	25.675	mg/L	0.0362	25.675	mg/L	0.0362	0.14%
As 188.979	58.2	0.0357	mg/L	0.00297	0.0357	mg/L	0.00297	8.32%
Ba 233.527	68065.4	0.7591	mg/L	0.00082	0.7591	mg/L	0.00082	0.11%
Be 313.107	5389.8	0.0015	mg/L	0.00001	0.0015	mg/L	0.00001	0.54%
Co 228.616	1596.7	0.0300	mg/L	0.00006	0.0300	mg/L	0.00006	0.21%
Cr 267.716	111414.0	0.4707	mg/L	0.00005	0.4707	mg/L	0.00005	0.01%
Cu 324.752	273802.6	0.6499	mg/L	0.00811	0.6499	mg/L	0.00811	1.25%
Fe 273.955	1415625.9	58.024	mg/L	0.0680	58.024	mg/L	0.0680	0.12%

Mg 279.077	1671403.7	83.352	mg/L	0.1751	83.352	mg/L	0.1751	0.21%
Mn 257.610	229218.4	1.9470	mg/L	0.00217	1.9470	mg/L	0.00217	0.11%
Ni 231.604	7049.5	0.0863	mg/L	0.00032	0.0863	mg/L	0.00032	0.38%
Pb 220.353	18414.7	1.5406	mg/L	0.00070	1.5406	mg/L	0.00070	0.05%
Sb 206.836	76.5	0.0063	mg/L	0.00084	0.0063	mg/L	0.00084	13.32%
Se 196.026	-43.3	0.0010	mg/L	0.00132	0.0010	mg/L	0.00132	128.31%
Tl 190.801	-3.8	0.0002	mg/L	0.00107	0.0002	mg/L	0.00107	628.04%
V 292.402	18625.2	0.0744	mg/L	0.00034	0.0744	mg/L	0.00034	0.45%
Zn 206.200	195036.4	1.9765	mg/L	0.01541	1.9765	mg/L	0.01541	0.78%
Na 330.237	6602.2	4.1089	mg/L	0.02100	4.1089	mg/L	0.02100	0.51%
Cd 226.502	3703.1	0.0113	mg/L	0.00003	0.0113	mg/L	0.00003	0.27%
Ti 334.940	414627.5	0.5379	mg/L	0.00043	0.5379	mg/L	0.00043	0.08%
Ca 227.546	102555.2	186.86	mg/L	0.076	186.86	mg/L	0.076	0.04%

Sequence No.: 40
Sample ID: D0623-01BDUP,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 6/3/05 1:33:15 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:41 AM,

Mean Data: D0623-01BDUP,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	30263.3	0.0640	mg/L	0.00023	0.0640	mg/L	0.00023	0.36%
Al 308.215	929165.9	25.196	mg/L	0.3555	25.196	mg/L	0.3555	1.41%
As 188.979	54.3	0.0338	mg/L	0.00336	0.0338	mg/L	0.00336	9.95%
Ba 233.527	71450.0	0.7975	mg/L	0.00791	0.7975	mg/L	0.00791	0.99%
Be 313.107	5657.3	0.0015	mg/L	0.00002	0.0015	mg/L	0.00002	1.15%
Co 228.616	1601.9	0.0302	mg/L	0.00000	0.0302	mg/L	0.00000	0.01%
Cr 267.716	111636.4	0.4716	mg/L	0.00653	0.4716	mg/L	0.00653	1.38%
Cu 324.752	266789.8	0.6335	mg/L	0.01330	0.6335	mg/L	0.01330	2.10%
Fe 273.955	1417384.1	58.096	mg/L	0.6149	58.096	mg/L	0.6149	1.06%
Mg 279.077	1499380.1	74.781	mg/L	0.6896	74.781	mg/L	0.6896	0.92%
Mn 257.610	241815.6	2.0524	mg/L	0.02321	2.0524	mg/L	0.02321	1.13%
Ni 231.604	6464.4	0.0789	mg/L	0.00025	0.0789	mg/L	0.00025	0.31%
Pb 220.353	17178.9	1.4377	mg/L	0.00789	1.4377	mg/L	0.00789	0.55%
Sb 206.836	77.9	0.0068	mg/L	0.00024	0.0068	mg/L	0.00024	3.57%
Se 196.026	-45.7	-0.0004	mg/L	0.00095	-0.0004	mg/L	0.00095	217.30%
Tl 190.801	-4.2	0.0000	mg/L	0.00102	0.0000	mg/L	0.00102	>999.9%
V 292.402	18319.3	0.0732	mg/L	0.00109	0.0732	mg/L	0.00109	1.49%
Zn 206.200	201969.7	2.0473	mg/L	0.02825	2.0473	mg/L	0.02825	1.38%
Na 330.237	6922.0	4.2759	mg/L	0.04865	4.2759	mg/L	0.04865	1.14%
Cd 226.502	3752.2	0.0115	mg/L	0.00002	0.0115	mg/L	0.00002	0.21%
Ti 334.940	372794.6	0.4835	mg/L	0.00645	0.4835	mg/L	0.00645	1.33%
Ca 227.546	90076.2	164.03	mg/L	2.768	164.03	mg/L	2.768	1.69%

Sequence No.: 41
Sample ID: D0623-01BMS,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 6/3/05 1:37:24 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:42 AM,

Mean Data: D0623-01BMS,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	48979.7	0.1122	mg/L	0.00050	0.1122	mg/L	0.00050	0.44%
Al 308.215	1060725.1	28.755	mg/L	0.2160	28.755	mg/L	0.2160	0.75%
As 188.979	123.7	0.0719	mg/L	0.00141	0.0719	mg/L	0.00141	1.96%
Ba 233.527	257267.7	2.8971	mg/L	0.02277	2.8971	mg/L	0.02277	0.79%
Be 313.107	334573.9	0.0519	mg/L	0.00036	0.0519	mg/L	0.00036	0.70%
Co 228.616	25676.7	0.5166	mg/L	0.00217	0.5166	mg/L	0.00217	0.42%
Cr 267.716	162937.8	0.6886	mg/L	0.00566	0.6886	mg/L	0.00566	0.82%
Cu 324.752	380872.0	0.9028	mg/L	0.01358	0.9028	mg/L	0.01358	1.50%
Fe 273.955	1511510.1	61.924	mg/L	0.4082	61.924	mg/L	0.4082	0.66%
Mg 279.077	1489302.4	74.291	mg/L	0.5117	74.291	mg/L	0.5117	0.69%
Mn 257.610	311043.8	2.6330	mg/L	0.01671	2.6330	mg/L	0.01671	0.63%
Ni 231.604	45034.4	0.5713	mg/L	0.00406	0.5713	mg/L	0.00406	0.71%

Pb 220.353	17688.9	1.4813 mg/L	0.00156	1.4813 mg/L	0.00156	0.11%
Sb 206.836	262.0	0.0544 mg/L	0.00224	0.0544 mg/L	0.00224	4.12%
Se 196.026	-20.3	0.0102 mg/L	0.00014	0.0102 mg/L	0.00014	1.34%
Tl 190.801	109.3	0.0511 mg/L	0.00002	0.0511 mg/L	0.00002	0.04%
V 292.402	149142.2	0.5848 mg/L	0.00394	0.5848 mg/L	0.00394	0.67%
Zn 206.200	240013.8	2.4339 mg/L	0.02634	2.4339 mg/L	0.02634	1.08%
Na 330.237	8193.7	5.0048 mg/L	0.10541	5.0048 mg/L	0.10541	2.11%
Cd 226.502	4949.7	0.0164 mg/L	0.00005	0.0164 mg/L	0.00005	0.29%
Ti 334.940	351603.8	0.4562 mg/L	0.00477	0.4562 mg/L	0.00477	1.05%
Ca 227.546	88669.7	161.36 mg/L	0.837	161.36 mg/L	0.837	0.52%

Sequence No.: 42
Sample ID: D0623-01BSD,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 63
Date Collected: 6/3/05 1:41:33 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:42 AM,

Mean Data: D0623-01BSD,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	8965.4	0.0196	mg/L	0.00005	0.0196	mg/L	0.00005	0.24%
Al 308.215	190773.6	5.1731	mg/L	0.00603	5.1731	mg/L	0.00603	0.12%
As 188.979	10.5	0.0067	mg/L	0.00073	0.0067	mg/L	0.00073	11.02%
Ba 233.527	14524.1	0.1620	mg/L	0.00057	0.1620	mg/L	0.00057	0.35%
Be 313.107	1183.9	0.0003	mg/L	0.00000	0.0003	mg/L	0.00000	0.43%
Co 228.616	350.7	0.0066	mg/L	0.00006	0.0066	mg/L	0.00006	0.89%
Cr 267.716	23561.6	0.0995	mg/L	0.00042	0.0995	mg/L	0.00042	0.43%
Cu 324.752	56103.8	0.1332	mg/L	0.00046	0.1332	mg/L	0.00046	0.34%
Fe 273.955	304680.1	12.488	mg/L	0.0143	12.488	mg/L	0.0143	0.11%
Mg 279.077	359673.3	17.937	mg/L	0.0229	17.937	mg/L	0.0229	0.13%
Mn 257.610	48568.7	0.4126	mg/L	0.00022	0.4126	mg/L	0.00022	0.05%
Ni 231.604	1558.4	0.0191	mg/L	0.00000	0.0191	mg/L	0.00000	0.01%
Pb 220.353	3958.2	0.3310	mg/L	0.00123	0.3310	mg/L	0.00123	0.37%
Sb 206.836	17.2	0.0016	mg/L	0.00099	0.0016	mg/L	0.00099	61.08%
Se 196.026	-14.5	-0.0019	mg/L	0.00026	-0.0019	mg/L	0.00026	13.93%
Tl 190.801	-5.4	-0.0021	mg/L	0.00037	-0.0021	mg/L	0.00037	17.79%
V 292.402	3867.6	0.0155	mg/L	0.00007	0.0155	mg/L	0.00007	0.46%
Zn 206.200	42535.2	0.4311	mg/L	0.00116	0.4311	mg/L	0.00116	0.27%
Na 330.237	1252.8	0.7851	mg/L	0.01405	0.7851	mg/L	0.01405	1.79%
Cd 226.502	793.3	0.0024	mg/L	0.00000	0.0024	mg/L	0.00000	0.12%
Ti 334.940	84885.2	0.1101	mg/L	0.00020	0.1101	mg/L	0.00020	0.18%
Ca 227.546	20863.4	38.004	mg/L	0.0551	38.004	mg/L	0.0551	0.14%

Sequence No.: 43
Sample ID: CCV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/3/05 1:45:38 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:43 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	468397.0	1.1718	mg/L	0.00510	1.1718	mg/L	0.00510	0.44%
Al 308.215	370129.0	9.9935	mg/L	0.07804	9.9935	mg/L	0.07804	0.78%
As 188.979	933.4	0.5013	mg/L	0.00054	0.5013	mg/L	0.00054	0.11%
Ba 233.527	954598.0	10.788	mg/L	0.0606	10.788	mg/L	0.0606	0.56%
Be 313.107	1693851.4	0.2598	mg/L	0.00120	0.2598	mg/L	0.00120	0.46%
Co 228.616	127229.6	2.5707	mg/L	0.00902	2.5707	mg/L	0.00902	0.35%
Cr 267.716	244255.8	1.0333	mg/L	0.00284	1.0333	mg/L	0.00284	0.27%
Cu 324.752	544204.1	1.2833	mg/L	0.00603	1.2833	mg/L	0.00603	0.47%
Fe 273.955	128277.6	5.1057	mg/L	0.01904	5.1057	mg/L	0.01904	0.37%
Mg 279.077	515293.8	25.732	mg/L	0.0512	25.732	mg/L	0.0512	0.20%
Mn 257.610	309589.6	2.5888	mg/L	0.00881	2.5888	mg/L	0.00881	0.34%
Ni 231.604	199851.1	2.5515	mg/L	0.00840	2.5515	mg/L	0.00840	0.33%
Pb 220.353	6243.6	0.5224	mg/L	0.00193	0.5224	mg/L	0.00193	0.37%
Sb 206.836	1876.2	0.4971	mg/L	0.00519	0.4971	mg/L	0.00519	1.04%
Se 196.026	1252.5	0.4998	mg/L	0.00179	0.4998	mg/L	0.00179	0.36%

Tl 190.801	1144.3	0.5188 mg/L	0.00351	0.5188 mg/L	0.00351	0.68%
V 292.402	663074.2	2.5927 mg/L	0.01519	2.5927 mg/L	0.01519	0.59%
Zn 206.200	260195.7	2.6419 mg/L	0.00452	2.6419 mg/L	0.00452	0.17%
Na 330.237	42610.6	24.645 mg/L	0.2150	24.645 mg/L	0.2150	0.87%
Cd 226.502	61541.9	0.2568 mg/L	0.00092	0.2568 mg/L	0.00092	0.36%
Ti 334.940	-117.5	0.0007 mg/L	0.00005	0.0007 mg/L	0.00005	8.20%
Ca 227.546	13974.5	25.286 mg/L	0.0017	25.286 mg/L	0.0017	0.01%

Sequence No.: 44
Sample ID: CCB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/3/05 1:49:51 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:44 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	370.2	0.0009	mg/L	0.00051	0.0009	mg/L	0.00051	55.10%
Al 308.215	917.4	0.0249	mg/L	0.00240	0.0249	mg/L	0.00240	9.64%
As 188.979	-1.8	-0.0010	mg/L	0.00108	-0.0010	mg/L	0.00108	109.43%
Ba 233.527	362.0	0.0041	mg/L	0.00257	0.0041	mg/L	0.00257	62.92%
Be 313.107	764.3	0.0001	mg/L	0.00011	0.0001	mg/L	0.00011	92.66%
Co 228.616	61.7	0.0012	mg/L	0.00066	0.0012	mg/L	0.00066	52.94%
Cr 267.716	93.7	0.0004	mg/L	0.00042	0.0004	mg/L	0.00042	105.64%
Cu 324.752	2781.5	0.0066	mg/L	0.00086	0.0066	mg/L	0.00086	13.11%
Fe 273.955	443.0	0.0181	mg/L	0.00000	0.0181	mg/L	0.00000	0.02%
Mg 279.077	1247.5	0.0622	mg/L	0.00537	0.0622	mg/L	0.00537	8.63%
Mn 257.610	215.1	0.0018	mg/L	0.00059	0.0018	mg/L	0.00059	32.81%
Ni 231.604	121.1	0.0015	mg/L	0.00059	0.0015	mg/L	0.00059	38.44%
Pb 220.353	19.5	0.0016	mg/L	0.00059	0.0016	mg/L	0.00059	36.63%
Sb 206.836	18.8	0.0050	mg/L	0.00210	0.0050	mg/L	0.00210	41.71%
Se 196.026	3.6	0.0015	mg/L	0.00145	0.0015	mg/L	0.00145	99.81%
Tl 190.801	0.2	0.0001	mg/L	0.00185	0.0001	mg/L	0.00185	>999.9%
V 292.402	299.8	0.0012	mg/L	0.00096	0.0012	mg/L	0.00096	81.57%
Zn 206.200	1349.4	0.0137	mg/L	0.00245	0.0137	mg/L	0.00245	17.86%
Na 330.237	167.8	0.0971	mg/L	0.01902	0.0971	mg/L	0.01902	19.58%
Cd 226.502	29.2	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	44.17%
Ti 334.940	47.2	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007	109.10%
Ca 227.546	33.2	0.0603	mg/L	0.01569	0.0603	mg/L	0.01569	26.03%

Sequence No.: 45
Sample ID: D0623-01BPDS,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 64
Date Collected: 6/3/05 1:53:58 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:45 AM,

6/6/05

Mean Data: D0623-01BPDS,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	41970.6	0.0909	mg/L	0.00038	0.0909	mg/L	0.00038	0.42%
Al 308.215	929172.0	25.196	mg/L	0.0722	25.196	mg/L	0.0722	0.29%
As 188.979	62.7	0.0380	mg/L	0.00161	0.0380	mg/L	0.00161	4.23%
Ba 233.527	66756.5	0.7445	mg/L	0.00118	0.7445	mg/L	0.00118	0.16%
Be 313.107	11853.0	0.0025	mg/L	0.00000	0.0025	mg/L	0.00000	0.11%
Co 228.616	2067.1	0.0395	mg/L	0.00005	0.0395	mg/L	0.00005	0.13%
Cr 267.716	109845.5	0.4640	mg/L	0.00180	0.4640	mg/L	0.00180	0.39%
Cu 324.752	274147.7	0.6507	mg/L	0.00764	0.6507	mg/L	0.00764	1.17%
Fe 273.955	1389722.0	56.961	mg/L	0.2107	56.961	mg/L	0.2107	0.37%
Mg 279.077	1642542.6	81.913	mg/L	0.4126	81.913	mg/L	0.4126	0.50%
Mn 257.610	225964.3	1.9192	mg/L	0.00776	1.9192	mg/L	0.00776	0.40%
Ni 231.604	7576.5	0.0931	mg/L	0.00004	0.0931	mg/L	0.00004	0.05%
Pb 220.353	18131.3	1.5168	mg/L	0.00411	1.5168	mg/L	0.00411	0.27%
Sb 206.836	128.0	0.0204	mg/L	0.00178	0.0204	mg/L	0.00178	8.75%
Se 196.026	-40.6	0.0018	mg/L	0.00070	0.0018	mg/L	0.00070	39.03%
Tl 190.801	1.4	0.0025	mg/L	0.00049	0.0025	mg/L	0.00049	19.81%
V 292.402	20882.1	0.0832	mg/L	0.00021	0.0832	mg/L	0.00021	0.26%
Zn 206.200	191538.6	1.9411	mg/L	0.01699	1.9411	mg/L	0.01699	0.88%

Na 330.237	6563.4	4.0796 mg/L	0.02082	4.0796 mg/L	0.02082	0.51%
Cd 226.502	3878.7	0.0122 mg/L	0.00001	0.0122 mg/L	0.00001	0.05%
Ti 334.940	405103.3	0.5256 mg/L	0.00067	0.5256 mg/L	0.00067	0.13%
Ca 227.546	100926.1	183.89 mg/L	0.765	183.89 mg/L	0.765	0.42%

Sequence No.: 46
Sample ID: D0623-02B,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 65
Date Collected: 6/3/05 1:58:07 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:46 AM,

Mean Data: D0623-02B,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	-635.5	0.0082	mg/L	0.00018	0.0082	mg/L	0.00018	2.25%
Al 308.215	1324239.2	35.917	mg/L	0.5092	35.917	mg/L	0.5092	1.42%
As 188.979	97.6	0.0585	mg/L	0.00089	0.0585	mg/L	0.00089	1.52%
Ba 233.527	32024.3	0.3472	mg/L	0.00409	0.3472	mg/L	0.00409	1.18%
Be 313.107	7811.2	0.0018	mg/L	0.00002	0.0018	mg/L	0.00002	1.10%
Co 228.616	1287.6	0.0228	mg/L	0.00002	0.0228	mg/L	0.00002	0.07%
Cr 267.716	13670.8	0.0571	mg/L	0.00061	0.0571	mg/L	0.00061	1.07%
Cu 324.752	85677.7	0.2117	mg/L	0.00054	0.2117	mg/L	0.00054	0.25%
Fe 273.955	2392271.1	98.057	mg/L	1.0183	98.057	mg/L	1.0183	1.04%
Mg 279.077	159893.2	8.0242	mg/L	0.04874	8.0242	mg/L	0.04874	0.61%
Mn 257.610	135215.4	1.1868	mg/L	0.01209	1.1868	mg/L	0.01209	1.02%
Ni 231.604	4415.7	0.0508	mg/L	0.00010	0.0508	mg/L	0.00010	0.21%
Pb 220.353	16128.3	1.3542	mg/L	0.00093	1.3542	mg/L	0.00093	0.07%
Sb 206.836	86.9	0.0050	mg/L	0.00017	0.0050	mg/L	0.00017	3.46%
Se 196.026	-64.1	0.0005	mg/L	0.00129	0.0005	mg/L	0.00129	262.14%
Tl 190.801	1.9	-0.0003	mg/L	0.00095	-0.0003	mg/L	0.00095	278.42%
V 292.402	18945.3	0.0752	mg/L	0.00080	0.0752	mg/L	0.00080	1.06%
Zn 206.200	124126.2	1.2595	mg/L	0.00577	1.2595	mg/L	0.00577	0.46%
Na 330.237	4010.5	2.7299	mg/L	0.02672	2.7299	mg/L	0.02672	0.98%
Cd 226.502	2806.8	0.0047	mg/L	0.00004	0.0047	mg/L	0.00004	0.84%
Ti 334.940	369631.0	0.4742	mg/L	0.00605	0.4742	mg/L	0.00605	1.28%
Ca 227.546	10538.5	18.022	mg/L	0.0368	18.022	mg/L	0.0368	0.20%

Sequence No.: 47
Sample ID: D0623-03B,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 66
Date Collected: 6/3/05 2:02:18 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:46 AM,

Mean Data: D0623-03B,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	-204.4	0.0033	mg/L	0.00024	0.0033	mg/L	0.00024	7.18%
Al 308.215	1359348.9	36.863	mg/L	0.1278	36.863	mg/L	0.1278	0.35%
As 188.979	74.4	0.0444	mg/L	0.00044	0.0444	mg/L	0.00044	1.00%
Ba 233.527	36714.2	0.4018	mg/L	0.00179	0.4018	mg/L	0.00179	0.45%
Be 313.107	12220.6	0.0025	mg/L	0.00001	0.0025	mg/L	0.00001	0.45%
Co 228.616	1632.9	0.0301	mg/L	0.00006	0.0301	mg/L	0.00006	0.19%
Cr 267.716	13381.7	0.0550	mg/L	0.00021	0.0550	mg/L	0.00021	0.39%
Cu 324.752	81749.5	0.1994	mg/L	0.00041	0.1994	mg/L	0.00041	0.20%
Fe 273.955	2068830.9	84.799	mg/L	0.2193	84.799	mg/L	0.2193	0.26%
Mg 279.077	549887.0	27.485	mg/L	0.0773	27.485	mg/L	0.0773	0.28%
Mn 257.610	331901.6	2.8211	mg/L	0.00638	2.8211	mg/L	0.00638	0.23%
Ni 231.604	5903.0	0.0704	mg/L	0.00010	0.0704	mg/L	0.00010	0.14%
Pb 220.353	4655.8	0.4028	mg/L	0.00060	0.4028	mg/L	0.00060	0.15%
Sb 206.836	84.4	0.0058	mg/L	0.00097	0.0058	mg/L	0.00097	16.73%
Se 196.026	-60.7	-0.0019	mg/L	0.00291	-0.0019	mg/L	0.00291	156.93%
Tl 190.801	-3.0	-0.0001	mg/L	0.00012	-0.0001	mg/L	0.00012	161.44%
V 292.402	21015.8	0.0833	mg/L	0.00021	0.0833	mg/L	0.00021	0.25%
Zn 206.200	83577.1	0.8469	mg/L	0.00411	0.8469	mg/L	0.00411	0.49%
Na 330.237	2678.0	1.9287	mg/L	0.08751	1.9287	mg/L	0.08751	4.54%
Cd 226.502	2549.1	0.0046	mg/L	0.00005	0.0046	mg/L	0.00005	1.01%
Ti 334.940	389649.7	0.5013	mg/L	0.00120	0.5013	mg/L	0.00120	0.24%

Ca 227.546	33427.3	60.058	mg/L	0.0298	60.058	mg/L	0.0298 0.05%

Sequence No.: 48
Sample ID: D0623-04B,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 67
Date Collected: 6/3/05 2:06:28 PM
Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:47 AM,

Mean Data: D0623-04B,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	-141.2	0.0071	mg/L	0.00011	0.0071	mg/L	0.00011	1.61%
Al 308.215	1286661.1	34.894	mg/L	0.1136	34.894	mg/L	0.1136	0.33%
As 188.979	59.6	0.0353	mg/L	0.00096	0.0353	mg/L	0.00096	2.72%
Ba 233.527	29931.5	0.3279	mg/L	0.00117	0.3279	mg/L	0.00117	0.36%
Be 313.107	8191.3	0.0019	mg/L	0.00002	0.0019	mg/L	0.00002	0.77%
Co 228.616	1383.9	0.0254	mg/L	0.00006	0.0254	mg/L	0.00006	0.24%
Cr 267.716	12003.8	0.0496	mg/L	0.00015	0.0496	mg/L	0.00015	0.31%
Cu 324.752	51785.4	0.1278	mg/L	0.00024	0.1278	mg/L	0.00024	0.19%
Fe 273.955	1672661.8	68.560	mg/L	0.1618	68.560	mg/L	0.1618	0.24%
Mg 279.077	212105.8	10.631	mg/L	0.0368	10.631	mg/L	0.0368	0.35%
Mn 257.610	228332.3	1.9474	mg/L	0.01054	1.9474	mg/L	0.01054	0.54%
Ni 231.604	4630.8	0.0549	mg/L	0.00023	0.0549	mg/L	0.00023	0.42%
Pb 220.353	4200.1	0.3624	mg/L	0.00024	0.3624	mg/L	0.00024	0.07%
Sb 206.836	69.4	0.0041	mg/L	0.00106	0.0041	mg/L	0.00106	26.07%
Se 196.026	-45.0	-0.0002	mg/L	0.00132	-0.0002	mg/L	0.00132	666.87%
Tl 190.801	7.1	0.0031	mg/L	0.00026	0.0031	mg/L	0.00026	8.38%
V 292.402	18999.7	0.0751	mg/L	0.00035	0.0751	mg/L	0.00035	0.47%
Zn 206.200	46955.4	0.4761	mg/L	0.00020	0.4761	mg/L	0.00020	0.04%
Na 330.237	1431.5	1.2224	mg/L	0.06094	1.2224	mg/L	0.06094	4.99%
Cd 226.502	1785.2	0.0026	mg/L	0.00002	0.0026	mg/L	0.00002	0.84%
Ti 334.940	408051.5	0.5233	mg/L	0.00050	0.5233	mg/L	0.00050	0.10%
Ca 227.546	9324.8	16.176	mg/L	0.0494	16.176	mg/L	0.0494	0.31%

Sequence No.: 49
Sample ID: D0623-05B,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 68
Date Collected: 6/3/05 2:10:39 PM
Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:48 AM,

Mean Data: D0623-05B,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	-1941.7	0.0053	mg/L	0.00001	0.0053	mg/L	0.00001	0.11%
Al 308.215	1922627.4	52.150	mg/L	0.2436	52.150	mg/L	0.2436	0.47%
As 188.979	41.0	0.0244	mg/L	0.00238	0.0244	mg/L	0.00238	9.72%
Ba 233.527	21314.5	0.2296	mg/L	0.00020	0.2296	mg/L	0.00020	0.09%
Be 313.107	10404.9	0.0022	mg/L	0.00001	0.0022	mg/L	0.00001	0.50%
Co 228.616	1585.1	0.0294	mg/L	0.00007	0.0294	mg/L	0.00007	0.25%
Cr 267.716	12705.7	0.0529	mg/L	0.00007	0.0529	mg/L	0.00007	0.14%
Cu 324.752	28802.2	0.0744	mg/L	0.00072	0.0744	mg/L	0.00072	0.97%
Fe 273.955	1806630.8	74.051	mg/L	0.2339	74.051	mg/L	0.2339	0.32%
Mg 279.077	212059.0	10.621	mg/L	0.0359	10.621	mg/L	0.0359	0.34%
Mn 257.610	166457.1	1.4351	mg/L	0.00592	1.4351	mg/L	0.00592	0.41%
Ni 231.604	5333.1	0.0637	mg/L	0.00014	0.0637	mg/L	0.00014	0.22%
Pb 220.353	1250.3	0.1218	mg/L	0.00130	0.1218	mg/L	0.00130	1.07%
Sb 206.836	79.0	0.0029	mg/L	0.00101	0.0029	mg/L	0.00101	34.22%
Se 196.026	-48.3	0.0005	mg/L	0.00134	0.0005	mg/L	0.00134	252.40%
Tl 190.801	4.0	-0.0003	mg/L	0.00003	-0.0003	mg/L	0.00003	10.14%
V 292.402	21494.0	0.0849	mg/L	0.00001	0.0849	mg/L	0.00001	0.01%
Zn 206.200	26027.2	0.2642	mg/L	0.00002	0.2642	mg/L	0.00002	0.01%
Na 330.237	869.4	0.8660	mg/L	0.00908	0.8660	mg/L	0.00908	1.05%
Cd 226.502	1560.6	0.0013	mg/L	0.00002	0.0013	mg/L	0.00002	1.65%
Ti 334.940	359805.3	0.4614	mg/L	0.00320	0.4614	mg/L	0.00320	0.69%
Ca 227.546	7080.7	12.012	mg/L	0.0552	12.012	mg/L	0.0552	0.46%

Sequence No.: 50
Sample ID: CRI
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 6/3/05 2:14:50 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:49 AM,

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	7868.6	0.0198	mg/L	0.00004	0.0198	mg/L	0.00004	0.21%
Al 308.215	747.0	0.0186	mg/L	0.01035	0.0186	mg/L	0.01035	55.69%
As 188.979	34.9	0.0187	mg/L	0.00092	0.0187	mg/L	0.00092	4.96%
Ba 233.527	81.9	0.0009	mg/L	0.00003	0.0009	mg/L	0.00003	3.68%
Be 313.107	66786.6	0.0102	mg/L	0.00001	0.0102	mg/L	0.00001	0.06%
Co 228.616	5290.5	0.1069	mg/L	0.00042	0.1069	mg/L	0.00042	0.40%
Cr 267.716	4946.7	0.0209	mg/L	0.00022	0.0209	mg/L	0.00022	1.06%
Cu 324.752	22479.5	0.0531	mg/L	0.00008	0.0531	mg/L	0.00008	0.16%
Fe 273.955	691.1	0.0222	mg/L	0.00509	0.0222	mg/L	0.00509	22.97%
Mg 279.077	782.4	0.0398	mg/L	0.00605	0.0398	mg/L	0.00605	15.22%
Mn 257.610	3946.7	0.0330	mg/L	0.00003	0.0330	mg/L	0.00003	0.08%
Ni 231.604	6829.1	0.0872	mg/L	0.00047	0.0872	mg/L	0.00047	0.54%
Pb 220.353	82.4	0.0069	mg/L	0.00005	0.0069	mg/L	0.00005	0.67%
Sb 206.836	487.7	0.1305	mg/L	0.00002	0.1305	mg/L	0.00002	0.02%
Se 196.026	24.0	0.0095	mg/L	0.00020	0.0095	mg/L	0.00020	2.10%
Tl 190.801	48.7	0.0220	mg/L	0.00044	0.0220	mg/L	0.00044	2.00%
V 292.402	26791.9	0.1047	mg/L	0.00048	0.1047	mg/L	0.00048	0.46%
Zn 206.200	5001.1	0.0508	mg/L	0.00021	0.0508	mg/L	0.00021	0.40%
Na 330.237	242.0	0.1407	mg/L	0.10043	0.1407	mg/L	0.10043	71.41%
Cd 226.502	2526.0	0.0105	mg/L	0.00001	0.0105	mg/L	0.00001	0.11%
Ti 334.940	136.8	0.0002	mg/L	0.00007	0.0002	mg/L	0.00007	41.18%
Ca 227.546	32.5	0.0511	mg/L	0.01607	0.0511	mg/L	0.01607	31.41%

Sequence No.: 51
Sample ID: ICSA
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/3/05 2:18:59 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:49 AM,

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-5446.1	0.0000	mg/L	0.00141	0.0000	mg/L	0.00141	>999.9%
Al 308.215	17108678.9	464.15	mg/L	1.863	464.15	mg/L	1.863	0.40%
As 188.979	51.1	-0.0036	mg/L	0.00342	-0.0036	mg/L	0.00342	94.10%
Ba 233.527	2479.4	-0.0034	mg/L	0.00013	-0.0034	mg/L	0.00013	3.69%
Be 313.107	-263.1	-0.0001	mg/L	0.00000	-0.0001	mg/L	0.00000	1.38%
Co 228.616	132.7	-0.0014	mg/L	0.00020	-0.0014	mg/L	0.00020	13.96%
Cr 267.716	215.0	0.0010	mg/L	0.00002	0.0010	mg/L	0.00002	2.47%
Cu 324.752	-6883.3	-0.0046	mg/L	0.00001	-0.0046	mg/L	0.00001	0.19%
Fe 273.955	4033526.6	165.34	mg/L	0.789	165.34	mg/L	0.789	0.48%
Mg 279.077	8930444.5	445.10	mg/L	1.665	445.10	mg/L	1.665	0.37%
Mn 257.610	-14018.1	0.0033	mg/L	0.00174	0.0033	mg/L	0.00174	52.80%
Ni 231.604	287.9	-0.0044	mg/L	0.00004	-0.0044	mg/L	0.00004	0.97%
Pb 220.353	-1388.0	0.0011	mg/L	0.00002	0.0011	mg/L	0.00002	1.64%
Sb 206.836	414.1	0.0077	mg/L	0.00030	0.0077	mg/L	0.00030	3.84%
Se 196.026	-160.9	0.0000	mg/L	0.00132	0.0000	mg/L	0.00132	>999.9%
Tl 190.801	67.6	0.0010	mg/L	0.00044	0.0010	mg/L	0.00044	41.79%
V 292.402	-990.8	-0.0007	mg/L	0.00013	-0.0007	mg/L	0.00013	17.78%
Zn 206.200	1919.8	0.0111	mg/L	0.00008	0.0111	mg/L	0.00008	0.75%
Na 330.237	-207.0	-0.3053	mg/L	0.01151	-0.3053	mg/L	0.01151	3.77%
Cd 226.502	3324.8	0.0035	mg/L	0.00038	0.0035	mg/L	0.00038	10.85%
Ti 334.940	-17068.4	-0.0042	mg/L	0.00001	-0.0042	mg/L	0.00001	0.34%
Ca 227.546	264460.0	481.93	mg/L	5.280	481.93	mg/L	5.280	1.10%

Sequence No.: 52
Sample ID: ICSAB
Analyst:

Autosampler Location: 6
Date Collected: 6/3/05 2:23:14 PM

Sample Wt:
Dilution:

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:50 AM,

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	68731.5	0.1866	mg/L	0.00050	0.1866	mg/L	0.00050	0.27%
Al 308.215	17384851.9	471.63	mg/L	1.995	471.63	mg/L	1.995	0.42%
As 188.979	216.4	0.0862	mg/L	0.00179	0.0862	mg/L	0.00179	2.08%
Ba 233.527	46047.4	0.4884	mg/L	0.00085	0.4884	mg/L	0.00085	0.17%
Be 313.107	3012194.9	0.4620	mg/L	0.00264	0.4620	mg/L	0.00264	0.57%
Co 228.616	21712.1	0.4345	mg/L	0.00013	0.4345	mg/L	0.00013	0.03%
Cr 267.716	107903.0	0.4569	mg/L	0.00027	0.4569	mg/L	0.00027	0.06%
Cu 324.752	194796.0	0.4713	mg/L	0.00429	0.4713	mg/L	0.00429	0.91%
Fe 273.955	4092299.4	167.72	mg/L	0.648	167.72	mg/L	0.648	0.39%
Mg 279.077	9064977.8	451.82	mg/L	1.479	451.82	mg/L	1.479	0.33%
Mn 257.610	41623.2	0.4699	mg/L	0.00111	0.4699	mg/L	0.00111	0.24%
Ni 231.604	67256.5	0.8507	mg/L	0.00036	0.8507	mg/L	0.00036	0.04%
Pb 220.353	-900.4	0.0440	mg/L	0.00036	0.0440	mg/L	0.00036	0.81%
Sb 206.836	2656.5	0.6041	mg/L	0.00158	0.6041	mg/L	0.00158	0.26%
Se 196.026	-48.1	0.0454	mg/L	0.00123	0.0454	mg/L	0.00123	2.71%
Tl 190.801	255.7	0.0858	mg/L	0.00207	0.0858	mg/L	0.00207	2.42%
V 292.402	118770.2	0.4680	mg/L	0.00076	0.4680	mg/L	0.00076	0.16%
Zn 206.200	86561.8	0.8710	mg/L	0.00650	0.8710	mg/L	0.00650	0.75%
Na 330.237	2480.7	1.2540	mg/L	0.00427	1.2540	mg/L	0.00427	0.34%
Cd 226.502	209620.8	0.8636	mg/L	0.00009	0.8636	mg/L	0.00009	0.01%
Ti 334.940	-17224.3	-0.0044	mg/L	0.00002	-0.0044	mg/L	0.00002	0.42%
Ca 227.546	265935.9	484.55	mg/L	0.233	484.55	mg/L	0.233	0.05%

Sequence No.: 53
Sample ID: CCV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/3/05 2:27:32 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:51 AM,

6/6/05 FD

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	251306.6	0.6288	mg/L	0.81402	0.6288	mg/L	0.81402	129.46%
Al 308.215	188474.9	5.0883	mg/L	7.00122	5.0883	mg/L	7.00122	137.60%
As 188.979	445.2	0.2392	mg/L	0.33925	0.2392	mg/L	0.33925	141.82%
Ba 233.527	501034.4	5.6622	mg/L	7.23676	5.6622	mg/L	7.23676	127.81%
Be 313.107	886833.8	0.1360	mg/L	0.17485	0.1360	mg/L	0.17485	128.54%
Co 228.616	65020.3	1.3137	mg/L	1.77334	1.3137	mg/L	1.77334	134.99%
Cr 267.716	124834.8	0.5281	mg/L	0.71052	0.5281	mg/L	0.71052	134.54%
Cu 324.752	283028.2	0.6675	mg/L	0.86515	0.6675	mg/L	0.86515	129.62%
Fe 273.955	66283.9	2.6372	mg/L	3.54197	2.6372	mg/L	3.54197	134.31%
Mg 279.077	269274.1	13.446	mg/L	17.7082	13.446	mg/L	17.7082	131.70%
Mn 257.610	157883.7	1.3203	mg/L	1.78938	1.3203	mg/L	1.78938	135.53%
Ni 231.604	102182.7	1.3046	mg/L	1.75920	1.3046	mg/L	1.75920	134.85%
Pb 220.353	2950.8	0.2471	mg/L	0.35364	0.2471	mg/L	0.35364	143.13%
Sb 206.836	920.3	0.2438	mg/L	0.32661	0.2438	mg/L	0.32661	133.98%
Se 196.026	615.8	0.2457	mg/L	0.33564	0.2457	mg/L	0.33564	136.60%
Tl 190.801	549.4	0.2489	mg/L	0.34907	0.2489	mg/L	0.34907	140.23%
V 292.402	346945.6	1.3566	mg/L	1.74503	1.3566	mg/L	1.74503	128.63%
Zn 206.200	133512.7	1.3556	mg/L	1.80105	1.3556	mg/L	1.80105	132.86%
Na 330.237	22224.4	12.855	mg/L	16.6085	12.855	mg/L	16.6085	129.20%
Cd 226.502	31383.9	0.1310	mg/L	0.17763	0.1310	mg/L	0.17763	135.63%
Ti 334.940	125.6	0.0005	mg/L	0.00019	0.0005	mg/L	0.00019	33.93%
Ca 227.546	6784.9	12.268	mg/L	17.0986	12.268	mg/L	17.0986	139.38%

Sequence No.: 54
Sample ID: CCB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/3/05 2:31:44 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:52 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	545.4	0.0014	mg/L	0.00005	0.0014	mg/L	0.00005	3.65%
Al 308.215	2468.0	0.0669	mg/L	0.00562	0.0669	mg/L	0.00562	8.40%
As 188.979	-0.4	-0.0002	mg/L	0.00050	-0.0002	mg/L	0.00050	216.04%
Ba 233.527	563.9	0.0064	mg/L	0.00146	0.0064	mg/L	0.00146	22.92%
Be 313.107	1244.8	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	15.20%
Co 228.616	93.5	0.0019	mg/L	0.00037	0.0019	mg/L	0.00037	19.70%
Cr 267.716	150.5	0.0006	mg/L	0.00026	0.0006	mg/L	0.00026	41.33%
Cu 324.752	1818.8	0.0043	mg/L	0.00010	0.0043	mg/L	0.00010	2.28%
Fe 273.955	901.2	0.0369	mg/L	0.00379	0.0369	mg/L	0.00379	10.27%
Mg 279.077	4107.7	0.2048	mg/L	0.01526	0.2048	mg/L	0.01526	7.45%
Mn 257.610	224.9	0.0019	mg/L	0.00047	0.0019	mg/L	0.00047	24.70%
Ni 231.604	176.9	0.0023	mg/L	0.00042	0.0023	mg/L	0.00042	18.40%
Pb 220.353	10.3	0.0009	mg/L	0.00007	0.0009	mg/L	0.00007	8.43%
Sb 206.836	12.3	0.0033	mg/L	0.00047	0.0033	mg/L	0.00047	14.50%
Se 196.026	-1.8	-0.0007	mg/L	0.00188	-0.0007	mg/L	0.00188	263.11%
Tl 190.801	0.7	0.0003	mg/L	0.00028	0.0003	mg/L	0.00028	95.23%
V 292.402	389.8	0.0015	mg/L	0.00009	0.0015	mg/L	0.00009	6.22%
Zn 206.200	793.6	0.0080	mg/L	0.00125	0.0080	mg/L	0.00125	15.47%
Na 330.237	71.5	0.0414	mg/L	0.15317	0.0414	mg/L	0.15317	369.61%
Cd 226.502	53.5	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	16.52%
Ti 334.940	71.0	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	45.96%
Ca 227.546	53.0	0.0964	mg/L	0.02354	0.0964	mg/L	0.02354	24.43%

Sequence No.: 55
Sample ID: CCV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/3/05 2:55:06 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:53 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	472786.1	1.1827	mg/L	0.02043	1.1827	mg/L	0.02043	1.73%
Al 308.215	367616.0	9.9250	mg/L	0.02585	9.9250	mg/L	0.02585	0.26%
As 188.979	958.5	0.5147	mg/L	0.00251	0.5147	mg/L	0.00251	0.49%
Ba 233.527	962855.8	10.881	mg/L	0.1105	10.881	mg/L	0.1105	1.02%
Be 313.107	1714883.5	0.2630	mg/L	0.00299	0.2630	mg/L	0.00299	1.14%
Co 228.616	127606.1	2.5783	mg/L	0.00764	2.5783	mg/L	0.00764	0.30%
Cr 267.716	244502.4	1.0343	mg/L	0.00248	1.0343	mg/L	0.00248	0.24%
Cu 324.752	546059.6	1.2877	mg/L	0.01846	1.2877	mg/L	0.01846	1.43%
Fe 273.955	128241.7	5.1028	mg/L	0.01429	5.1028	mg/L	0.01429	0.28%
Mg 279.077	516932.6	25.814	mg/L	0.0661	25.814	mg/L	0.0661	0.26%
Mn 257.610	310034.2	2.5925	mg/L	0.00861	2.5925	mg/L	0.00861	0.33%
Ni 231.604	200045.8	2.5540	mg/L	0.01028	2.5540	mg/L	0.01028	0.40%
Pb 220.353	6296.3	0.5268	mg/L	0.00046	0.5268	mg/L	0.00046	0.09%
Sb 206.836	1925.3	0.5103	mg/L	0.00273	0.5103	mg/L	0.00273	0.54%
Se 196.026	1275.4	0.5089	mg/L	0.00303	0.5089	mg/L	0.00303	0.60%
Tl 190.801	1162.2	0.5269	mg/L	0.00117	0.5269	mg/L	0.00117	0.22%
V 292.402	668905.9	2.6155	mg/L	0.02884	2.6155	mg/L	0.02884	1.10%
Zn 206.200	262076.4	2.6610	mg/L	0.00645	2.6610	mg/L	0.00645	0.24%
Na 330.237	42383.1	24.513	mg/L	0.0347	24.513	mg/L	0.0347	0.14%
Cd 226.502	61819.8	0.2580	mg/L	0.00065	0.2580	mg/L	0.00065	0.25%
Ti 334.940	-111.5	0.0007	mg/L	0.00003	0.0007	mg/L	0.00003	3.73%
Ca 227.546	14123.5	25.557	mg/L	0.0461	25.557	mg/L	0.0461	0.18%

Sequence No.: 56
Sample ID: CCB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/3/05 2:59:20 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:53 AM,

Mean Data: CCB

	Mean Corrected	Calib		Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Ag 328.068	182.4	0.0005	mg/L	0.00016	0.0005	mg/L	0.00016	35.83%
Al 308.215	774.8	0.0210	mg/L	0.00217	0.0210	mg/L	0.00217	10.32%
As 188.979	-1.0	-0.0005	mg/L	0.00095	-0.0005	mg/L	0.00095	177.02%
Ba 233.527	187.3	0.0021	mg/L	0.00011	0.0021	mg/L	0.00011	5.19%
Be 313.107	404.8	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	19.23%
Co 228.616	35.4	0.0007	mg/L	0.00005	0.0007	mg/L	0.00005	7.09%
Cr 267.716	64.7	0.0003	mg/L	0.00002	0.0003	mg/L	0.00002	6.64%
Cu 324.752	1590.2	0.0038	mg/L	0.00015	0.0038	mg/L	0.00015	4.08%
Fe 273.955	134.1	0.0055	mg/L	0.00059	0.0055	mg/L	0.00059	10.80%
Mg 279.077	593.5	0.0296	mg/L	0.00116	0.0296	mg/L	0.00116	3.91%
Mn 257.610	55.6	0.0005	mg/L	0.00002	0.0005	mg/L	0.00002	5.18%
Ni 231.604	79.6	0.0010	mg/L	0.00014	0.0010	mg/L	0.00014	13.49%
Pb 220.353	0.5	0.0000	mg/L	0.00068	0.0000	mg/L	0.00068	>999.9%
Sb 206.836	15.6	0.0042	mg/L	0.00110	0.0042	mg/L	0.00110	26.48%
Se 196.026	5.1	0.0020	mg/L	0.00164	0.0020	mg/L	0.00164	80.64%
Tl 190.801	2.2	0.0010	mg/L	0.00080	0.0010	mg/L	0.00080	81.24%
V 292.402	92.2	0.0004	mg/L	0.00000	0.0004	mg/L	0.00000	0.52%
Zn 206.200	1054.0	0.0107	mg/L	0.00150	0.0107	mg/L	0.00150	14.05%
Na 330.237	-113.0	-0.0653	mg/L	0.15881	-0.0653	mg/L	0.15881	243.16%
Cd 226.502	-2.0	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	286.89%
Ti 334.940	6.7	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	96.63%
Ca 227.546	18.1	0.0330	mg/L	0.00522	0.0330	mg/L	0.00522	15.83%

Sequence No.: 57
Sample ID: D0618-01CPDS,18366
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 69
Date Collected: 6/3/05 3:05:20 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:54 AM,

Mean Data: D0618-01CPDS,18366

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	3269.5	-0.0158	mg/L	0.00017	-0.0158	mg/L	0.00017	1.06%
Al 308.215	2511426.0	68.093	mg/L	0.2761	68.093	mg/L	0.2761	0.41%
As 188.979	152.2	0.0867	mg/L	0.03455	0.0867	mg/L	0.03455	39.83%
Ba 233.527	328161.5	3.6868	mg/L	0.02326	3.6868	mg/L	0.02326	0.63%
Be 313.107	88487.2	0.0139	mg/L	0.00009	0.0139	mg/L	0.00009	0.66%
Co 228.616	6961.1	0.1369	mg/L	0.06103	0.1369	mg/L	0.06103	44.57%
Cr 267.716	28293.0	0.1142	mg/L	0.00051	0.1142	mg/L	0.00051	0.45%
Cu 324.752	101630.1	0.2448	mg/L	0.00192	0.2448	mg/L	0.00192	0.78%
Fe 273.955	3258462.6	133.56	mg/L	0.538	133.56	mg/L	0.538	0.40%
Mg 279.077	1736040.2	86.743	mg/L	0.1512	86.743	mg/L	0.1512	0.17%
Mn 257.610	1225148.9	10.307	mg/L	0.0356	10.307	mg/L	0.0356	0.35%
Ni 231.604	18148.7	0.2249	mg/L	0.00070	0.2249	mg/L	0.00070	0.31%
Pb 220.353	1068.5	0.1206	mg/L	0.04085	0.1206	mg/L	0.04085	33.86%
Sb 206.836 @ 0.12	456.1	0.0941	mg/L	0.04605	0.0941	mg/L	0.04605	48.96%
Se 196.026 @ 0.01	-62.6	0.0110	mg/L	0.01334	0.0110	mg/L	0.01334	121.06%
Tl 190.801	17.8	0.0199	mg/L	0.00563	0.0199	mg/L	0.00563	28.25%
V 292.402	45030.0	0.1785	mg/L	0.00085	0.1785	mg/L	0.00085	0.48%
Zn 206.200	45805.8	0.4597	mg/L	0.00352	0.4597	mg/L	0.00352	0.77%
Na 330.237	196492.8	113.75	mg/L	0.500	113.75	mg/L	0.500	0.44%
Cd 226.502	5061.3	0.0117	mg/L	0.00002	0.0117	mg/L	0.00002	0.16%
Ti 334.940	169449.1	0.2292	mg/L	0.00272	0.2292	mg/L	0.00272	1.18%
Ca 227.546	181852.6	330.94	mg/L	1.487	330.94	mg/L	1.487	0.45%

Sequence No.: 58
Sample ID: D0609-06APDS,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 6/3/05 3:14:42 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:55 AM,

Mean Data: D0609-06APDS,18367

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	5495.1	0.0200	mg/L	0.00148	0.0200	mg/L	0.00148	7.40%
Al 308.215	1366402.6	37.050	mg/L	0.0973	37.050	mg/L	0.0973	0.26%

As 188.979	66.0	0.0379 mg/L	0.01684	0.0379 mg/L	0.01684	44.44%
Ba 233.527	15300.9	0.1629 mg/L	0.07563	0.1629 mg/L	0.07563	46.44%
Be 313.107	72033.3	0.0116 mg/L	0.00007	0.0116 mg/L	0.00007	0.57%
Co 228.616	4601.9	0.0907 mg/L	0.04019	0.0907 mg/L	0.04019	44.31%
Cr 267.716	14198.3	0.0579 mg/L	0.00033	0.0579 mg/L	0.00033	0.57%
Cu 324.752	51934.6	0.1262 mg/L	0.00063	0.1262 mg/L	0.00063	0.50%
Fe 273.955	1586360.2	65.017 mg/L	0.1825	65.017 mg/L	0.1825	0.28%
Mg 279.077	418461.0	20.948 mg/L	0.0116	20.948 mg/L	0.0116	0.06%
Mn 257.610	468278.7	3.9487 mg/L	0.00908	3.9487 mg/L	0.00908	0.23%
Ni 231.604	7621.6	0.0935 mg/L	0.04210	0.0935 mg/L	0.04210	45.05%
Pb 220.353	2752.2	0.2425 mg/L	0.10144	0.2425 mg/L	0.10144	41.83%
Sb 206.836	400.4	0.0927 mg/L	0.04015	0.0927 mg/L	0.04015	43.31%
Se 196.026	-12.4	0.0108 mg/L	0.00235	0.0108 mg/L	0.00235	21.81%
Tl 190.801	32.0	0.0170 mg/L	0.00745	0.0170 mg/L	0.00745	43.93%
V 292.402	41651.2	0.1638 mg/L	0.00161	0.1638 mg/L	0.00161	0.98%
Zn 206.200	53410.9	0.5411 mg/L	0.00099	0.5411 mg/L	0.00099	0.18%
Na 330.237	2341.1	1.6620 mg/L	0.18524	1.6620 mg/L	0.18524	11.15%
Cd 226.502	2909.1	0.0076 mg/L	0.00548	0.0076 mg/L	0.00548	72.42%
Ti 334.940	309815.3	0.3979 mg/L	0.00235	0.3979 mg/L	0.00235	0.59%
Ca 227.546	15071.7	26.723 mg/L	11.8683	26.723 mg/L	11.8683	44.41%

Sequence No.: 59
Sample ID: D0623-01BPDS,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 71
Date Collected: 6/3/05 3:18:54 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:56 AM,

Mean Data: D0623-01BPDS,18367

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	47534.9	0.1050	mg/L	0.00051	0.1050	mg/L	0.00051	0.49%
Al 308.215	900703.8	24.409	mg/L	0.0812	24.409	mg/L	0.0812	0.33%
As 188.979	77.1	0.0453	mg/L	0.01276	0.0453	mg/L	0.01276	28.17%
Ba 233.527	64942.2	0.7242	mg/L	0.00178	0.7242	mg/L	0.00178	0.25%
Be 313.107	68591.5	0.0112	mg/L	0.00006	0.0112	mg/L	0.00006	0.58%
Co 228.616	5179.7	0.1025	mg/L	0.02768	0.1025	mg/L	0.02768	27.01%
Cr 267.716	110976.8	0.4668	mg/L	0.00167	0.4668	mg/L	0.00167	0.36%
Cu 324.752	278879.1	0.6589	mg/L	0.00358	0.6589	mg/L	0.00358	0.54%
Fe 273.955	1356340.9	55.588	mg/L	0.0739	55.588	mg/L	0.0739	0.13%
Mg 279.077	1606339.8	80.177	mg/L	0.0099	80.177	mg/L	0.0099	0.01%
Mn 257.610	688634.9	5.7812	mg/L	0.01130	5.7812	mg/L	0.01130	0.20%
Ni 231.604	10636.1	0.1322	mg/L	0.03630	0.1322	mg/L	0.03630	27.45%
Pb 220.353	14765.3	1.2373	mg/L	0.33634	1.2373	mg/L	0.33634	27.18%
Sb 206.836	425.0	0.1002	mg/L	0.02856	0.1002	mg/L	0.02856	28.50%
Se 196.026	-7.5	0.0118	mg/L	0.00064	0.0118	mg/L	0.00064	5.39%
Tl 190.801	26.6	0.0190	mg/L	0.00578	0.0190	mg/L	0.00578	30.38%
V 292.402	42683.0	0.1686	mg/L	0.00110	0.1686	mg/L	0.00110	0.65%
Zn 206.200	190190.6	1.9270	mg/L	0.01250	1.9270	mg/L	0.01250	0.65%
Na 330.237	6368.9	3.9584	mg/L	0.01584	3.9584	mg/L	0.01584	0.40%
Cd 226.502	4802.4	0.0161	mg/L	0.00551	0.0161	mg/L	0.00551	34.23%
Ti 334.940	391132.6	0.5075	mg/L	0.00122	0.5075	mg/L	0.00122	0.24%
Ca 227.546	97572.3	177.75	mg/L	1.165	177.75	mg/L	1.165	0.66%

Sequence No.: 60
Sample ID: D0609-06APDS,18367
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 6/3/05 3:23:00 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:56 AM,

Mean Data: D0609-06APDS,18367

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	5509.5	0.0202	mg/L	0.00149	0.0202	mg/L	0.00149	7.38%
Al 308.215	1396575.0	37.874	mg/L	0.2071	37.874	mg/L	0.2071	0.55%
As 188.979	68.1	0.0392	mg/L	0.01246	0.0392	mg/L	0.01246	31.75%
Ba 233.527	16423.8	0.1753	mg/L	0.06693	0.1753	mg/L	0.06693	38.18%
Be 313.107	73922.8	0.0119	mg/L	0.00003	0.0119	mg/L	0.00003	0.28%

Co 228.616	4953.4	0.0978 mg/L	0.03533	0.0978 mg/L	0.03533	36.14%
Cr 267.716	14389.8	0.0596 mg/L	0.00025	0.0596 mg/L	0.00025	0.42%
Cu 324.752	54624.4	0.1339 mg/L	0.00109	0.1339 mg/L	0.00109	0.82%
Fe 273.955	1622156.5	66.484 mg/L	0.3001	66.484 mg/L	0.3001	0.45%
Mg 279.077	428032.7	21.398 mg/L	0.0614	21.398 mg/L	0.0614	0.29%
Mn 257.610 @1.5 ug/L	279482.7	2.3734 mg/L	0.00573	2.3734 mg/L	0.00573	0.24%
Ni 231.604	8136.8	0.0999 mg/L	0.03676	0.0999 mg/L	0.03676	36.78%
Pb 220.353	2967.8	0.2608 mg/L	0.08912	0.2608 mg/L	0.08912	34.17%
Sb 206.836 @2 ug/L	423.4	0.0985 mg/L	0.03432	0.0985 mg/L	0.03432	34.82%
Se 196.026 @2 ug/L	-13.8	0.0117 mg/L	0.00093	0.0117 mg/L	0.00093	7.98%
Tl 190.801	35.5	0.0163 mg/L	0.00638	0.0163 mg/L	0.00638	39.05%
V 292.402	42710.8	0.1678 mg/L	0.00111	0.1678 mg/L	0.00111	0.66%
Zn 206.200	54788.3	0.5553 mg/L	0.00045	0.5553 mg/L	0.00045	0.08%
Na 330.237	2352.4	1.6757 mg/L	0.04459	1.6757 mg/L	0.04459	2.66%
Cd 226.502	3131.6	0.0084 mg/L	0.00480	0.0084 mg/L	0.00480	57.20%
Ti 334.940	318030.8	0.4084 mg/L	0.00251	0.4084 mg/L	0.00251	0.61%
Ca 227.546	16103.8	28.600 mg/L	10.4548	28.600 mg/L	10.4548	36.56%

Sequence No.: 61
Sample ID: CRI
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 6/3/05 3:27:12 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:57 AM,

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	7956.8	0.0200	mg/L	0.00002	0.0200	mg/L	0.00002	0.10%
Al 308.215	808.0	0.0202	mg/L	0.00844	0.0202	mg/L	0.00844	41.73%
As 188.979	37.7	0.0202	mg/L	0.00114	0.0202	mg/L	0.00114	5.67%
Ba 233.527	111.0	0.0012	mg/L	0.00016	0.0012	mg/L	0.00016	13.80%
Be 313.107	67739.2	0.0104	mg/L	0.00005	0.0104	mg/L	0.00005	0.53%
Co 228.616	5341.0	0.1079	mg/L	0.00034	0.1079	mg/L	0.00034	0.32%
Cr 267.716	5014.3	0.0212	mg/L	0.00004	0.0212	mg/L	0.00004	0.20%
Cu 324.752	23000.1	0.0543	mg/L	0.00074	0.0543	mg/L	0.00074	1.37%
Fe 273.955	507.8	0.0146	mg/L	0.00506	0.0146	mg/L	0.00506	34.67%
Mg 279.077	506.6	0.0260	mg/L	0.01103	0.0260	mg/L	0.01103	42.38%
Mn 257.610	3946.1	0.0330	mg/L	0.00022	0.0330	mg/L	0.00022	0.67%
Ni 231.604	6847.7	0.0874	mg/L	0.00005	0.0874	mg/L	0.00005	0.06%
Pb 220.353	87.1	0.0073	mg/L	0.00020	0.0073	mg/L	0.00020	2.74%
Sb 206.836	493.7	0.1321	mg/L	0.00078	0.1321	mg/L	0.00078	0.59%
Se 196.026	30.3	0.0121	mg/L	0.00034	0.0121	mg/L	0.00034	2.78%
Tl 190.801	47.4	0.0214	mg/L	0.00122	0.0214	mg/L	0.00122	5.71%
V 292.402	26994.1	0.1055	mg/L	0.00036	0.1055	mg/L	0.00036	0.34%
Zn 206.200	5198.0	0.0528	mg/L	0.00067	0.0528	mg/L	0.00067	1.26%
Na 330.237	266.0	0.1545	mg/L	0.01116	0.1545	mg/L	0.01116	7.22%
Cd 226.502	2559.3	0.0107	mg/L	0.00002	0.0107	mg/L	0.00002	0.16%
Ti 334.940	84.2	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	18.35%
Ca 227.546	31.9	0.0501	mg/L	0.00639	0.0501	mg/L	0.00639	12.75%

Sequence No.: 62
Sample ID: ICSA
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/3/05 3:31:21 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:58 AM,

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	-5409.2	0.0014	mg/L	0.00083	0.0014	mg/L	0.00083	60.53%
Al 308.215	17294863.5	469.20	mg/L	2.110	469.20	mg/L	2.110	0.45%
As 188.979	49.7	-0.0046	mg/L	0.00070	-0.0046	mg/L	0.00070	15.15%
Ba 233.527	2532.4	-0.0033	mg/L	0.00030	-0.0033	mg/L	0.00030	9.11%
Be 313.107	-274.7	-0.0001	mg/L	0.00000	-0.0001	mg/L	0.00000	6.24%
Co 228.616	130.3	-0.0016	mg/L	0.00016	-0.0016	mg/L	0.00016	10.36%
Cr 267.716	248.7	0.0011	mg/L	0.00006	0.0011	mg/L	0.00006	5.16%
Cu 324.752	-7023.7	-0.0047	mg/L	0.00008	-0.0047	mg/L	0.00008	1.59%

Fe 273.955	4106655.2	168.34 mg/L	0.386	168.34 mg/L	0.386	0.23%
Mg 279.077	9114290.3	454.27 mg/L	0.267	454.27 mg/L	0.267	0.06%
Mn 257.610	-14264.4	0.0032 mg/L	0.00070	0.0032 mg/L	0.00070	21.69%
Ni 231.604	303.6	-0.0043 mg/L	0.00010	-0.0043 mg/L	0.00010	2.23%
Pb 220.353	-1466.1	-0.0041 mg/L	0.00091	-0.0041 mg/L	0.00091	22.30%
Sb 206.836	420.3	0.0080 mg/L	0.00143	0.0080 mg/L	0.00143	17.76%
Se 196.026	-159.5	0.0015 mg/L	0.00091	0.0015 mg/L	0.00091	61.04%
Tl 190.801	67.8	0.0007 mg/L	0.00252	0.0007 mg/L	0.00252	355.59%
V 292.402	-945.0	-0.0005 mg/L	0.00005	-0.0005 mg/L	0.00005	10.63%
Zn 206.200	1959.3	0.0113 mg/L	0.00004	0.0113 mg/L	0.00004	0.33%
Na 330.237	-231.5	-0.3162 mg/L	0.13066	-0.3162 mg/L	0.13066	41.32%
Cd 226.502	3276.4	0.0031 mg/L	0.00025	0.0031 mg/L	0.00025	7.96%
Ti 334.940	-17063.8	-0.0043 mg/L	0.00009	-0.0043 mg/L	0.00009	2.07%
Ca 227.546	264284.6	481.58 mg/L	6.333	481.58 mg/L	6.333	1.32%

Sequence No.: 63
Sample ID: ICSAB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 6/3/05 3:35:36 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:52:59 AM,

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	67905.8	0.1863	mg/L	0.00040	0.1863	mg/L	0.00040	0.22%
Al 308.215	17410626.2	472.33	mg/L	1.360	472.33	mg/L	1.360	0.29%
As 188.979	215.5	0.0857	mg/L	0.00042	0.0857	mg/L	0.00042	0.49%
Ba 233.527	46057.1	0.4883	mg/L	0.00441	0.4883	mg/L	0.00441	0.90%
Be 313.107	3067296.9	0.4705	mg/L	0.00218	0.4705	mg/L	0.00218	0.46%
Co 228.616	21673.0	0.4337	mg/L	0.00307	0.4337	mg/L	0.00307	0.71%
Cr 267.716	107681.0	0.4559	mg/L	0.00219	0.4559	mg/L	0.00219	0.48%
Cu 324.752	192697.9	0.4665	mg/L	0.00062	0.4665	mg/L	0.00062	0.13%
Fe 273.955	4127383.5	169.16	mg/L	0.103	169.16	mg/L	0.103	0.06%
Mg 279.077	9222718.8	459.68	mg/L	1.284	459.68	mg/L	1.284	0.28%
Mn 257.610	41233.7	0.4675	mg/L	0.00190	0.4675	mg/L	0.00190	0.41%
Ni 231.604	67058.6	0.8481	mg/L	0.00692	0.8481	mg/L	0.00692	0.82%
Pb 220.353	-923.3	0.0422	mg/L	0.00190	0.0422	mg/L	0.00190	4.51%
Sb 206.836	2676.1	0.6090	mg/L	0.00115	0.6090	mg/L	0.00115	0.19%
Se 196.026	-56.9	0.0422	mg/L	0.00046	0.0422	mg/L	0.00046	1.09%
Tl 190.801	259.8	0.0875	mg/L	0.00079	0.0875	mg/L	0.00079	0.90%
V 292.402	118285.7	0.4662	mg/L	0.00213	0.4662	mg/L	0.00213	0.46%
Zn 206.200	87470.9	0.8801	mg/L	0.00292	0.8801	mg/L	0.00292	0.33%
Na 330.237	2784.8	1.4372	mg/L	0.04788	1.4372	mg/L	0.04788	3.33%
Cd 226.502	210242.6	0.8661	mg/L	0.00256	0.8661	mg/L	0.00256	0.30%
Ti 334.940	-16780.9	-0.0041	mg/L	0.00003	-0.0041	mg/L	0.00003	0.67%
Ca 227.546	261330.0	476.11	mg/L	5.904	476.11	mg/L	5.904	1.24%

Sequence No.: 64
Sample ID: CCV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/3/05 3:40:03 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:53:00 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	473982.4	1.1858	mg/L	0.00367	1.1858	mg/L	0.00367	0.31%
Al 308.215	378189.8	10.212	mg/L	0.1287	10.212	mg/L	0.1287	1.26%
As 188.979	954.2	0.5125	mg/L	0.00049	0.5125	mg/L	0.00049	0.10%
Ba 233.527	968003.0	10.939	mg/L	0.0881	10.939	mg/L	0.0881	0.81%
Be 313.107	1721186.6	0.2640	mg/L	0.00214	0.2640	mg/L	0.00214	0.81%
Co 228.616	129932.1	2.6253	mg/L	0.02195	2.6253	mg/L	0.02195	0.84%
Cr 267.716	249462.9	1.0553	mg/L	0.00553	1.0553	mg/L	0.00553	0.52%
Cu 324.752	546858.1	1.2896	mg/L	0.00960	1.2896	mg/L	0.00960	0.74%
Fe 273.955	132282.1	5.2680	mg/L	0.02402	5.2680	mg/L	0.02402	0.46%
Mg 279.077	532484.4	26.590	mg/L	0.1526	26.590	mg/L	0.1526	0.57%
Mn 257.610	315667.3	2.6397	mg/L	0.02468	2.6397	mg/L	0.02468	0.94%

Ni 231.604	203598.4	2.5994 mg/L	0.02758	2.5994 mg/L	0.02758	1.06%
Pb 220.353	6353.6	0.5316 mg/L	0.00003	0.5316 mg/L	0.00003	0.01%
Sb 206.836	1924.3	0.5098 mg/L	0.00122	0.5098 mg/L	0.00122	0.24%
Se 196.026	1277.4	0.5097 mg/L	0.00075	0.5097 mg/L	0.00075	0.15%
Tl 190.801	1170.1	0.5305 mg/L	0.00162	0.5305 mg/L	0.00162	0.31%
V 292.402	670688.9	2.6225 mg/L	0.02574	2.6225 mg/L	0.02574	0.98%
Zn 206.200	268306.7	2.7243 mg/L	0.01616	2.7243 mg/L	0.01616	0.59%
Na 330.237	43564.8	25.197 mg/L	0.3708	25.197 mg/L	0.3708	1.47%
Cd 226.502	63056.7	0.2631 mg/L	0.00165	0.2631 mg/L	0.00165	0.63%
Ti 334.940	-68.9	0.0007 mg/L	0.00011	0.0007 mg/L	0.00011	15.30%
Ca 227.546	14168.8	25.636 mg/L	0.0037	25.636 mg/L	0.0037	0.01%

Sequence No.: 65
Sample ID: CCB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/3/05 3:44:15 PM

Sample Prep Volume:
Data Type: Reprocessed on 6/6/05 9:53:00 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	202.3	0.0005	mg/L	0.00000	0.0005	mg/L	0.00000	0.69%
Al 308.215	2085.4	0.0566	mg/L	0.02650	0.0566	mg/L	0.02650	46.85%
As 188.979	-1.0	-0.0005	mg/L	0.00066	-0.0005	mg/L	0.00066	128.27%
Ba 233.527	331.7	0.0037	mg/L	0.00249	0.0037	mg/L	0.00249	66.54%
Be 313.107	633.3	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	53.56%
Co 228.616	61.9	0.0012	mg/L	0.00054	0.0012	mg/L	0.00054	42.94%
Cr 267.716	85.9	0.0004	mg/L	0.00014	0.0004	mg/L	0.00014	38.25%
Cu 324.752	1939.5	0.0046	mg/L	0.00060	0.0046	mg/L	0.00060	13.12%
Fe 273.955	697.6	0.0286	mg/L	0.00785	0.0286	mg/L	0.00785	27.47%
Mg 279.077	2875.8	0.1433	mg/L	0.02519	0.1433	mg/L	0.02519	17.57%
Mn 257.610	84.7	0.0007	mg/L	0.00059	0.0007	mg/L	0.00059	80.78%
Ni 231.604	153.5	0.0020	mg/L	0.00049	0.0020	mg/L	0.00049	24.99%
Pb 220.353	-1.5	-0.0001	mg/L	0.00046	-0.0001	mg/L	0.00046	409.94%
Sb 206.836	22.4	0.0060	mg/L	0.00090	0.0060	mg/L	0.00090	15.03%
Se 196.026	3.3	0.0013	mg/L	0.00039	0.0013	mg/L	0.00039	29.07%
Tl 190.801	2.3	0.0011	mg/L	0.00177	0.0011	mg/L	0.00177	166.76%
V 292.402	94.7	0.0004	mg/L	0.00043	0.0004	mg/L	0.00043	115.68%
Zn 206.200	1181.2	0.0120	mg/L	0.00115	0.0120	mg/L	0.00115	9.59%
Na 330.237	121.3	0.0702	mg/L	0.01555	0.0702	mg/L	0.01555	22.16%
Cd 226.502	25.7	0.0001	mg/L	0.00011	0.0001	mg/L	0.00011	104.90%
Ti 334.940	37.3	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	16.37%
Ca 227.546	46.5	0.0845	mg/L	0.03331	0.0845	mg/L	0.03331	39.42%

Analysis Begun

Start Time: 6/3/2005 10:15:40 AM
Logged In Analyst: optima3
Spectrometer Model: Optima 4300 DV, S/N 077N3102302
Plasma On Time: 6/3/2005 8:58:03 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\618-623CLP.sif
Batch ID:
Results Data Set: B05060301
Results Library: C:\pe\Administrator\Results\Results.mdb

Method Loaded
Method Name: Na CLP
IEC File:
Method Description: Na CLP
Method Last Saved: 1/6/2005 10:16:27 AM
MSF File:

Sequence No.: 1
Sample ID: S0
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 6/3/2005 10:15:40 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Calib Units
Na 589.592	1036.6	45.34	4.37%	[0.00]	mg/L

Sequence No.: 2
Sample ID: S1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 6/3/2005 10:17:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Calib Units
Na 589.592	395311.2	644.38	0.16%	[50]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Na 589.592	1	Lin Thru 0	0.0	7906	0.00000	1.000000	

Sequence No.: 3
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 9
Date Collected: 6/3/2005 10:20:20 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	302890.9	38.310	mg/L	0.2170	38.310	mg/L	0.2170	0.57%

Sequence No.: 4
Sample ID: ICB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 6/3/2005 10:22:41 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	241.5	0.0305	mg/L	0.00979	0.0305	mg/L	0.00979	32.06%

Sequence No.: 5
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/3/2005 10:25:02 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	492.1	0.0622	mg/L	0.01041	0.0622	mg/L	0.01041	16.73%

Sequence No.: 6
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 6/3/2005 10:27:24 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	775.9	0.0981	mg/L	0.00239	0.0981	mg/L	0.00239	2.44%

Sequence No.: 7
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/3/2005 10:29:42 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	202305.9	25.588	mg/L	0.0194	25.588	mg/L	0.0194	0.08%

Sequence No.: 8
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/3/2005 10:32:03 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	277.4	0.0351	mg/L	0.01230	0.0351	mg/L	0.01230	35.05%

Sequence No.: 9
Sample ID: MB-18336,18336
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 6/3/2005 10:34:24 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-18336,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	183.1	0.0232	mg/L	0.00473	0.0232	mg/L	0.00473	20.44%

Sequence No.: 10
Sample ID: LCS-18336,18336
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 39
Date Collected: 6/3/2005 10:36:45 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-18336,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	181115.6	22.908	mg/L	0.1567	22.908	mg/L	0.1567	0.68%

Sequence No.: 11
Sample ID: D0623-08C,18336
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 40
Date Collected: 6/3/2005 10:39:06 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0623-08C,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	1407.9	0.1781	mg/L	0.00919	0.1781	mg/L	0.00919	5.16%

Sequence No.: 12
Sample ID: D0623-08CSD,18336
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 41
Date Collected: 6/3/2005 10:41:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0623-08CSD,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	412.9	0.0522	mg/L	0.00044	0.0522	mg/L	0.00044	0.85%

Sequence No.: 13
Sample ID: D0618-01C,18336
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 42
Date Collected: 6/3/2005 10:43:49 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0618-01C,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	1028004.3	130.02	mg/L	0.507	130.02	mg/L	0.507	0.39%

Sequence No.: 14
Sample ID: D0618-01CDUP,18336
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 43
Date Collected: 6/3/2005 10:46:13 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0618-01CDUP,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	990467.6	125.28	mg/L	0.427	125.28	mg/L	0.427	0.34%

Sequence No.: 15
Sample ID: D0618-01CSD,18336
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 44
Date Collected: 6/3/2005 10:48:37 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0618-01CSD,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	218644.8	27.655	mg/L	0.0796	27.655	mg/L	0.0796	0.29%

Sequence No.: 16
Sample ID: D0618-05C,18336
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 45
Date Collected: 6/3/2005 10:50:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0618-05C,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	410860.5	51.967	mg/L	0.0599	51.967	mg/L	0.0599	0.12%

Sequence No.: 17
Sample ID: D0618-06C,18336
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 46
Date Collected: 6/3/2005 10:53:20 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0618-06C,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	724687.3	91.660	mg/L	1.3024	91.660	mg/L	1.3024	1.42%

Sequence No.: 18
Sample ID: D0618-09C,18336
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 47
Date Collected: 6/3/2005 10:55:44 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0618-09C,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	490.2	0.0620	mg/L	0.00083	0.0620	mg/L	0.00083	1.35%

Sequence No.: 19
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 6/3/2005 10:58:06 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	209563.6	26.506	mg/L	0.3254	26.506	mg/L	0.3254	1.23%

Sequence No.: 20
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 6/3/2005 11:00:27 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	482.6	0.0610	mg/L	0.00534	0.0610	mg/L	0.00534	8.75%

Sequence No.: 21
Sample ID: MB-18367,18367
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 48
Date Collected: 6/3/2005 11:02:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-18367,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	342.2	0.0433	mg/L	0.01860	0.0433	mg/L	0.01860	42.99%

Sequence No.: 22
Sample ID: LCS-18367,18367
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 49
Date Collected: 6/3/2005 11:05:10 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-18367,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	34808.9	4.4027	mg/L	0.00826	4.4027	mg/L	0.00826	0.19%

Sequence No.: 23
Sample ID: D0609-06A,18367
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 50
Date Collected: 6/3/2005 11:07:32 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0609-06A,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	4941.3	0.6250	mg/L	0.00763	0.6250	mg/L	0.00763	1.22%

Sequence No.: 24
Sample ID: D0609-06ADUP,18367
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 51
Date Collected: 6/3/2005 11:09:52 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0609-06ADUP,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	5233.8	0.6620	mg/L	0.01065	0.6620	mg/L	0.01065	1.61%

Sequence No.: 25
Sample ID: D0609-06ASD,18367
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 52
Date Collected: 6/3/2005 11:12:12 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0609-06ASD,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Na 589.592	1227.2	0.1552	mg/L	0.02722	0.1552	mg/L	0.02722	17.54%

Sequence No.: 26
Sample ID: D0609-07A,18367
Analyst:
Initial Sample Wt:
Autosampler Location: 53
Date Collected: 6/3/2005 11:14:32 AM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: D0609-07A,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	7015.7	0.8874	mg/L	0.00785	0.8874	mg/L	0.00785	0.88%

Sequence No.: 27 Autosampler Location: 54
Sample ID: D0609-15A,18367 Date Collected: 6/3/2005 11:16:53 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: D0609-15A,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	3026.5	0.3828	mg/L	0.01587	0.3828	mg/L	0.01587	4.15%

Sequence No.: 28 Autosampler Location: 55
Sample ID: D0609-16A,18367 Date Collected: 6/3/2005 11:19:13 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: D0609-16A,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	4396.3	0.5561	mg/L	0.01538	0.5561	mg/L	0.01538	2.77%

Sequence No.: 29 Autosampler Location: 5
Sample ID: ICSA Date Collected: 6/3/2005 11:21:33 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	500.3	0.0633	mg/L	0.01573	0.0633	mg/L	0.01573	24.86%

Sequence No.: 30 Autosampler Location: 6
Sample ID: ICSAB Date Collected: 6/3/2005 11:23:55 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	617.0	0.0780	mg/L	0.00534	0.0780	mg/L	0.00534	6.84%

Sequence No.: 31 Autosampler Location: 3
Sample ID: CCV Date Collected: 6/3/2005 11:26:13 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

Na 589.592	211129.2	26.704 mg/L	0.0058	26.704 mg/L	0.0058	0.02%

Sequence No.: 32
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 6/3/2005 11:28:35 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	245.7	0.0311	mg/L	0.00766	0.0311	mg/L	0.00766	24.64%

Sequence No.: 33
Sample ID: D0623-01B,18367
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 56
Date Collected: 6/3/2005 11:30:56 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0623-01B,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	4453.7	0.5633	mg/L	0.01165	0.5633	mg/L	0.01165	2.07%

Sequence No.: 34
Sample ID: D0623-01BDUP,18367
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 57
Date Collected: 6/3/2005 11:33:17 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0623-01BDUP,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	4020.3	0.5085	mg/L	0.01374	0.5085	mg/L	0.01374	2.70%

Sequence No.: 35
Sample ID: D0623-01BSD,18367
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 58
Date Collected: 6/3/2005 11:35:37 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0623-01BSD,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	1019.9	0.1290	mg/L	0.01139	0.1290	mg/L	0.01139	8.83%

Sequence No.: 36
Sample ID: D0623-02B,18367
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 59
Date Collected: 6/3/2005 11:37:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0623-02B,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Na 589.592	2859.6	0.3617	mg/L	0.03521	0.3617	mg/L	0.03521	9.74%

Sequence No.: 37
Sample ID: D0623-03B,18367
Analyst:
Autosampler Location: 60
Date Collected: 6/3/2005 11:40:19 AM
Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: D0623-03B,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	2741.0	0.3467	mg/L	0.00139	0.3467	mg/L	0.00139	0.40%

Sequence No.: 38 Autosampler Location: 61
Sample ID: D0623-04B,18367 Date Collected: 6/3/2005 11:42:42 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: D0623-04B,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	2230.4	0.2821	mg/L	0.00041	0.2821	mg/L	0.00041	0.14%

Sequence No.: 39 Autosampler Location: 62
Sample ID: D0623-05B,18367 Date Collected: 6/3/2005 11:45:04 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: D0623-05B,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	1911.8	0.2418	mg/L	0.00887	0.2418	mg/L	0.00887	3.67%

Sequence No.: 40 Autosampler Location: 5
Sample ID: ICSA Date Collected: 6/3/2005 11:47:24 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	335.1	0.0424	mg/L	0.01015	0.0424	mg/L	0.01015	23.95%

Sequence No.: 41 Autosampler Location: 6
Sample ID: ICSAB Date Collected: 6/3/2005 11:49:46 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Na 589.592	485.2	0.0614	mg/L	0.00748	0.0614	mg/L	0.00748	12.18%

Sequence No.: 42 Autosampler Location: 3
Sample ID: CCV Date Collected: 6/3/2005 11:52:04 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Na 589.592	210526.7	26.628	mg/L	0.2088	26.628	mg/L	0.2088	0.78%

Sequence No.: 43
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/3/2005 11:54:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Na 589.592	67.7	0.0086	mg/L	0.01591	0.0086	mg/L	0.01591	185.75%

Reprocessing Begun
Logged In Analyst: optima3 Technique: ICP Continuous

Results Data Set (original): B05060301
Results Library (original): C:\pe\Administrator\Results\Results.mdb
Results Data Set (reprocessed): B05060301A
Results Library (reprocessed): C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Sample ID: S0
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 6/3/2005 11:55:39 AM
Data Type: Reprocessed on 6/3/2005 1:46:34 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
K 766.490	1958.9	48.33	2.47%	[0.00]	mg/L

Sequence No.: 2
Sample ID: S1
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 6/3/2005 11:58:05 AM
Data Type: Reprocessed on 6/3/2005 1:46:34 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
K 766.490	171433.9	90.48	0.05%	[50]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
K 766.490	1	Lin Thru 0	0.0	3429	0.00000	1.000000	

Sequence No.: 3
Sample ID: ICV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 9
Date Collected: 6/3/2005 12:00:25 PM
Data Type: Reprocessed on 6/3/2005 1:47:05 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Sample Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
K 766.490	129428.9	37.749	mg/L	0.2873	37.749	mg/L	0.2873	0.76%

Sequence No.: 4
Sample ID: ICB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 6/3/2005 12:02:45 PM
Data Type: Reprocessed on 6/3/2005 1:47:08 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Sample Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
K 766.490	98.0	0.0286	mg/L	0.01195	0.0286	mg/L	0.01195	41.81%

Sequence No.: 5
Sample ID: ICSA
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/3/2005 12:05:07 PM
Data Type: Reprocessed on 6/3/2005 1:47:09 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	269.4	0.0786	mg/L	0.00881	0.0786	mg/L	0.00881	11.21%

Sequence No.: 6
Sample ID: ICSAB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 6/3/2005 12:07:29 PM
Data Type: Reprocessed on 6/3/2005 1:47:09 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	317.2	0.0925	mg/L	0.02070	0.0925	mg/L	0.02070	22.37%

Sequence No.: 7
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/3/2005 12:09:47 PM
Data Type: Reprocessed on 6/3/2005 1:47:09 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	86821.3	25.322	mg/L	0.0697	25.322	mg/L	0.0697	0.28%

Sequence No.: 8
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 6/3/2005 12:12:08 PM
Data Type: Reprocessed on 6/3/2005 1:47:09 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	58.2	0.0170	mg/L	0.03313	0.0170	mg/L	0.03313	195.06%

Sequence No.: 9
Sample ID: MB-18336,18336
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 6/3/2005 12:14:32 PM
Data Type: Reprocessed on 6/3/2005 1:47:09 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-18336,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	-12.2	-0.0036	mg/L	0.01632	-0.0036	mg/L	0.01632	458.70%

Sequence No.: 10
Sample ID: LCS-18336,18336
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 6/3/2005 12:16:53 PM
Data Type: Reprocessed on 6/3/2005 1:47:10 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-18336,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	77390.6	22.572	mg/L	0.2757	22.572	mg/L	0.2757	1.22%

Sequence No.: 11
Sample ID: D0623-08C,18336
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 6/3/2005 12:19:14 PM
Data Type: Reprocessed on 6/3/2005 1:47:10 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0623-08C,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	299.5	0.0874	mg/L	0.00848	0.0874	mg/L	0.00848	9.70%

Sequence No.: 12
Sample ID: D0623-08CSD,18336
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 6/3/2005 12:21:34 PM
Data Type: Reprocessed on 6/3/2005 1:47:10 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0623-08CSD,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	134.0	0.0391	mg/L	0.00611	0.0391	mg/L	0.00611	15.64%

Sequence No.: 13
Sample ID: D0618-01C,18336
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 6/3/2005 12:23:57 PM
Data Type: Reprocessed on 6/3/2005 1:47:10 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0618-01C,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	39285.7	11.458	mg/L	0.0172	11.458	mg/L	0.0172	0.15%

Sequence No.: 14
Sample ID: D0618-01CDUP,18336
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 6/3/2005 12:26:17 PM
Data Type: Reprocessed on 6/3/2005 1:47:11 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0618-01CDUP,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	38630.2	11.267	mg/L	0.1065	11.267	mg/L	0.1065	0.94%

Sequence No.: 15
Sample ID: D0618-01CSD,18336
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 6/3/2005 12:28:37 PM
Data Type: Reprocessed on 6/3/2005 1:47:11 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0618-01CSD,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	8054.5	2.3492	mg/L	0.01482	2.3492	mg/L	0.01482	0.63%

Sequence No.: 16
Sample ID: D0618-05C,18336
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 6/3/2005 12:30:57 PM
Data Type: Reprocessed on 6/3/2005 1:47:11 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0618-05C,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	6274.7	1.8301	mg/L	0.01839	1.8301	mg/L	0.01839	1.01%

Sequence No.: 17
Sample ID: D0618-06C,18336
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 6/3/2005 12:33:18 PM
Data Type: Reprocessed on 6/3/2005 1:47:11 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0618-06C,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	25742.9	7.5081	mg/L	0.05530	7.5081	mg/L	0.05530	0.74%

Sequence No.: 18
Sample ID: D0618-09C,18336
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 6/3/2005 12:35:39 PM
Data Type: Reprocessed on 6/3/2005 1:47:11 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0618-09C,18336

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	162.0	0.0473	mg/L	0.04746	0.0473	mg/L	0.04746	100.41%

Sequence No.: 19
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 6/3/2005 12:38:00 PM
Data Type: Reprocessed on 6/3/2005 1:47:11 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	88947.2	25.942	mg/L	0.2360	25.942	mg/L	0.2360	0.91%

Sequence No.: 20
Autosampler Location: 4

Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Date Collected: 6/3/2005 12:40:21 PM
Data Type: Reprocessed on 6/3/2005 1:47:11 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	247.7	0.0722	mg/L	0.00002	0.0722	mg/L	0.00002	0.03%

Sequence No.: 21
Sample ID: MB-18367,18367
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 6/3/2005 12:42:42 PM
Data Type: Reprocessed on 6/3/2005 1:47:12 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-18367,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	23.1	0.0067	mg/L	0.01834	0.0067	mg/L	0.01834	272.25%

Sequence No.: 22
Sample ID: LCS-18367,18367
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 6/3/2005 12:45:05 PM
Data Type: Reprocessed on 6/3/2005 1:47:12 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-18367,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	30082.1	8.7737	mg/L	0.03940	8.7737	mg/L	0.03940	0.45%

Sequence No.: 23
Sample ID: D0609-06A,18367
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 6/3/2005 12:47:27 PM
Data Type: Reprocessed on 6/3/2005 1:47:12 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0609-06A,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	7605.0	2.2180	mg/L	0.10471	2.2180	mg/L	0.10471	4.72%

Sequence No.: 24
Sample ID: D0609-06ADUP,18367
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 6/3/2005 12:49:47 PM
Data Type: Reprocessed on 6/3/2005 1:47:12 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0609-06ADUP,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	8128.1	2.3706	mg/L	0.01545	2.3706	mg/L	0.01545	0.65%

Sequence No.: 25
Sample ID: D0609-06ASD,18367

Autosampler Location: 52
Date Collected: 6/3/2005 12:52:07 PM

Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Data Type: Reprocessed on 6/3/2005 1:47:12 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0609-06ASD,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	1594.4	0.4650	mg/L	0.01489	0.4650	mg/L	0.01489	3.20%

Sequence No.: 26
Sample ID: D0609-07A,18367
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 6/3/2005 12:54:27 PM
Data Type: Reprocessed on 6/3/2005 1:47:13 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0609-07A,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	10703.1	3.1216	mg/L	0.02689	3.1216	mg/L	0.02689	0.86%

Sequence No.: 27
Sample ID: D0609-15A,18367
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 6/3/2005 12:56:50 PM
Data Type: Reprocessed on 6/3/2005 1:47:13 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0609-15A,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	20911.3	6.0990	mg/L	0.14551	6.0990	mg/L	0.14551	2.39%

Sequence No.: 28
Sample ID: D0609-16A,18367
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 6/3/2005 12:59:11 PM
Data Type: Reprocessed on 6/3/2005 1:47:13 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0609-16A,18367

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	18027.4	5.2578	mg/L	0.13915	5.2578	mg/L	0.13915	2.65%

Sequence No.: 29
Sample ID: ICSA
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 6/3/2005 1:01:31 PM
Data Type: Reprocessed on 6/3/2005 1:47:13 PM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	87.7	0.0256	mg/L	0.01886	0.0256	mg/L	0.01886	73.71%

Sequence No.: 30
Sample ID: ICSAB
Analyst:

Autosampler Location: 6
Date Collected: 6/3/2005 1:03:53 PM
Data Type: Reprocessed on 6/3/2005 1:47:13 PM

Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	388.5	0.1133	mg/L	0.01347	0.1133	mg/L	0.01347	11.88%

Sequence No.: 31
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 6/3/2005 1:06:11 PM
Data Type: Reprocessed on 6/3/2005 1:47:13 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	88848.9	25.913	mg/L	0.2803	25.913	mg/L	0.2803	1.08%

Sequence No.: 32
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 6/3/2005 1:08:32 PM
Data Type: Reprocessed on 6/3/2005 1:47:13 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	-8.2	-0.0024	mg/L	0.03912	-0.0024	mg/L	0.03912	>999.9%

Sequence No.: 33
Sample ID: D0623-01B,18367
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 56
Date Collected: 6/3/2005 1:10:53 PM
Data Type: Reprocessed on 6/3/2005 1:47:13 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0623-01B,18367

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	18092.0	5.2767	mg/L	0.15547	5.2767	mg/L	0.15547	2.95%

Sequence No.: 34
Sample ID: D0623-01BDUP,18367
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:
Autosampler Location: 57
Date Collected: 6/3/2005 1:13:17 PM
Data Type: Reprocessed on 6/3/2005 1:47:13 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: D0623-01BDUP,18367

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	18241.7	5.3203	mg/L	0.06622	5.3203	mg/L	0.06622	1.24%

Sequence No.: 35
Sample ID: D0623-01BSD,18367
Analyst:
Logged In Analyst (Original) : optima3
Autosampler Location: 58
Date Collected: 6/3/2005 1:15:37 PM
Data Type: Reprocessed on 6/3/2005 1:47:13 PM

Method Name: Mercury-ILM
Method Description: Mercury
Element: Hg

D0623 D0618 D0609 ILM-Hg OK for Hg. ILM-Hg DW 6/3/05

Date: 06/03/2005
Technique:FI-MHS
Calibration Type:
Hg, Zero Intercept: Linear
Wavelength: 253.7 nm
Sample Info Name: QW.SIF

FIMS.050603A

Results Data Set Name: H0506031

Element: Hg Seq. No.: 1 AS Loc.: 1 Date: 06/03/2005
Sample ID: S0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0000	-0.0050	0.0000	09:40:45	Yes
2			0.0000	-0.0047	0.0000	09:41:14	Yes
Mean:			0.0000				
SD :			0.0000				
%RSD:			15.3367				

Auto-zero performed.

Element: Hg Seq. No.: 2 AS Loc.: 2 Date: 06/03/2005
Sample ID: S0.2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0055	0.0221	0.0054	09:42:06	Yes
2			0:0063	0.0284	0.0062	09:42:36	Yes
Mean:			0.0059				
SD :			0.0006				
%RSD:			9.7921				

[Hg] Standard number 1 applied. [0.20]
Correlation Coefficient: 1.00000 Slope: 0.02931

Element: Hg Seq. No.: 3 AS Loc.: 3 Date: 06/03/2005
Sample ID: S1.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0237	0.1091	0.0236	09:43:26	Yes
2			0.0241	0.1081	0.0240	09:43:56	Yes
Mean:			0.0239				
SD :			0.0003				
%RSD:			1.1551				

[Hg] Standard number 2 applied. [1.00]
Correlation Coefficient: 0.99691 Slope: 0.02411

Element: Hg Seq. No.: 4 AS Loc.: 4 Date: 06/03/2005
Sample ID: S2.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0437	0.2109	0.0437	09:44:47	Yes
2			0.0442	0.2155	0.0442	09:45:16	Yes
Mean:			0.0440				
SD :			0.0003				
%RSD:			0.7601				

[Hg] Standard number 3 applied. [2.00]
Correlation Coefficient: 0.99712 Slope: 0.02246

Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 06/03/2005
Sample ID: S5.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.1178	0.5737	0.1177	09:46:07	Yes
2			0.1178	0.5692	0.1178	09:46:36	Yes
Mean:			0.1178				
SD :			0.0000				
%RSD:							

[Hg] Standard number 4 applied. [5.00]
Correlation Coefficient: 0.99930 Slope: 0.02338

Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 06/03/2005
Sample ID: S10.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.2390	1.1722	0.2390	09:47:27	Yes
2			0.2384	1.1635	0.2383	09:47:56	Yes
Mean:			0.2387				
SD :			0.0005				
%RSD:			0.1971				

[Hg] Standard number 5 applied. [10.00]
Correlation Coefficient: 0.99978 Slope: 0.02376

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
S0	0.0000	--	----	----	----
S0.2	0.0059	0.20	0.25	0.001	9.8
S1.0	0.0239	1.00	1.00	0.000	1.2
S2.0	0.0440	2.00	1.85	0.000	0.8
S5.0	0.1178	5.00	4.96	0.000	----
S10.0	0.2387	10.00	10.05	0.000	0.2
Correlation Coefficient: 0.99978		Slope:	0.02376	----	

Element: Hg Seq. No.: 7 AS Loc.: 7 Date: 06/03/2005
Sample ID: ICV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.98	1.98	0.0470	0.2198	0.0469	09:48:46	Yes
2	1.98	1.98	0.0471	0.2203	0.0470	09:49:16	Yes
Mean:	1.98	1.98	0.0470				
SD :	0.003	0.003	0.0001				
%RSD:	0.2	0.2	0.1706				

QC value within specified limits.

Element: Hg Seq. No.: 8 AS Loc.: 1 Date: 06/03/2005
Sample ID: ICB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01	0.01	0.0002	-0.0051	0.0001	09:50:08	Yes
2	0.00	0.00	0.0001	-0.0012	0.0000	09:50:37	Yes
Mean:	0.00	0.00	0.0001				
SD :	0.003	0.003	0.0001				
%RSD:	66.5	66.5	66.5283				

QC value within specified limits.

Element: Hg Seq. No.: 9 AS Loc.: 9 Date: 06/03/2005
Sample ID: CRA

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.22	0.22	0.0052	0.0210	0.0051	09:51:27	Yes
2	0.21	0.21	0.0050	0.0197	0.0050	09:51:56	Yes
Mean:	0.21	0.21	0.0051				
SD :	0.005	0.005	0.0001				
%RSD:	2.3	2.3	2.2666				

Element: Hg Seq. No.: 10 AS Loc.: 10 Date: 06/03/2005
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.05	5.05	0.1199	0.5834	0.1198	09:52:46	Yes
2	5.04	5.04	0.1198	0.5810	0.1197	09:53:15	Yes
Mean:	5.04	5.04	0.1198				
SD :	0.002	0.002	0.0001				
%RSD:							

Element: Hg Seq. No.: 11 AS Loc.: 11 Date: 06/03/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0000	-0.0019	0.0000	09:54:06	Yes
2	0.00	0.00	0.0000	-0.0027	0.0000	09:54:35	Yes
Mean:	0.00	0.00	0.0000				
SD :	0.000	0.000	0.0000				
%RSD:	35.6	35.6	35.6049				

Element: Hg Seq. No.: 12 AS Loc.: 12 Date: 06/03/2005
Sample ID: MB-18368

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01	0.01	0.0002	-0.0036	0.0001	09:55:25	Yes
2	0.01	0.01	0.0002	-0.0024	0.0001	09:55:54	Yes
Mean:	0.01	0.01	0.0002				
SD :	0.001	0.001	0.0000				
%RSD:	9.1	9.1	9.0710				

Element: Hg Seq. No.: 13 AS Loc.: 13 Date: 06/03/2005
Sample ID: ~~D0618-01C~~ D0623-08C QW 6/3/05 134ml

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00	0.00	0.0001	-0.0002	0.0001	09:56:44	Yes
2	0.00	0.00	0.0000	-0.0001	0.0000	09:57:13	Yes
Mean:	0.00	0.00	0.0001				
SD :	0.002	0.002	0.0000				
%RSD:	52.6	52.6	52.5605				

Element: Hg Seq. No.: 14 D06A AS Loc.: 14 Date: 06/03/2005
Sample ID: ~~D0618-01CDUP~~ ~~D0623~~-01C QW 6/3/05 132ml

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.06	0.06	0.0013	0.0028	0.0013	09:58:03	Yes
2	0.04	0.04	0.0010	0.0038	0.0010	09:58:32	Yes
Mean:	0.05	0.05	0.0012				

SD :	0.009	0.009	0.0002
%RSD:	17.5	17.5	17.4787

Element: Hg Seq. No.: 15 AS Loc.: 15 Date: 06/03/2005
Sample ID: ~~D0618-01CMS~~ D0618-01CDUP QW 6/3/05 132ml

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.05	0.05	0.0012	0.0062	0.0012	09:59:22	Yes
2	0.06	0.06	0.0015	0.0072	0.0015	09:59:51	Yes
Mean:	0.06	0.06	0.0014				
SD :	0.010	0.010	0.0002				
%RSD:	17.3	17.3	17.2628				

Element: Hg Seq. No.: 16 AS Loc.: 16 Date: 06/03/2005
Sample ID: ~~D0618-05C~~ D0618-01CMS QW 6/3/05 132ml

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.81	0.81	0.0191	0.0846	0.0191	10:00:41	Yes
2	0.76	0.76	0.0180	0.0834	0.0180	10:01:10	Yes
Mean:	0.78	0.78	0.0186				
SD :	0.032	0.032	0.0008				
%RSD:	4.1	4.1	4.1445				

Element: Hg Seq. No.: 17 AS Loc.: 7 Date: 06/03/2005
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.06	5.06	0.1203	0.5853	0.1202	10:02:00	Yes
2	5.09	5.09	0.1208	0.5877	0.1208	10:02:29	Yes
Mean:	5.07	5.07	0.1205				
SD :	0.017	0.017	0.0004				
%RSD:	0.3	0.3	0.3353				

QC value within specified limits.

Element: Hg Seq. No.: 18 AS Loc.: 1 Date: 06/03/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01	0.01	0.0002	-0.0002	0.0002	10:03:21	Yes
2	0.01	0.01	0.0003	0.0006	0.0002	10:03:50	Yes
Mean:	0.01	0.01	0.0003				
SD :	0.001	0.001	0.0000				
%RSD:	12.6	12.6	12.6043				

QC value within specified limits.

Element: Hg Seq. No.: 19 AS Loc.: 17 Date: 06/03/2005
Sample ID: ~~D0618-06C~~ D0618-05C DW 6/3/05 130ml

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01	0.01	0.0002	-0.0004	0.0001	10:04:40	Yes
2	0.01	0.01	0.0003	0.0010	0.0003	10:05:09	Yes
Mean:	0.01	0.01	0.0002				
SD :	0.004	0.004	0.0001				
%RSD:	40.9	40.9	40.9195				

Element: Hg Seq. No.: 20 AS Loc.: 18 Date: 06/03/2005

Sample ID: ~~D0618-09C~~ D0618-06C DW 6/3/05 134ml

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.10	0.10	0.0023	0.0096	0.0022	10:06:03	Yes
2	0.09	0.09	0.0022	0.0097	0.0022	10:06:32	Yes
Mean:	0.09	0.09	0.0022				
SD :	0.001	0.001	0.0000				
%RSD:	1.3	1.3	1.2657				

Element: Hg Seq. No.: 21 AS Loc.: 19 Date: 06/03/2005
Sample ID: ~~MB-18369~~ D0618-09C DW 6/3/05 132ml

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01	0.01	0.0002	0.0005	0.0001	10:07:22	Yes
2	0.00	0.00	0.0001	-0.0007	0.0000	10:07:51	Yes
Mean:	0.00	0.00	0.0001				
SD :	0.003	0.003	0.0001				
%RSD:	68.0	68.0	67.9942				

Element: Hg Seq. No.: 22 AS Loc.: 20 Date: 06/03/2005
Sample ID: ~~LCS-18369~~ MB-18369 DW 6/3/05

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01	0.01	0.0001	-0.0002	0.0001	10:08:41	Yes
2	0.01	0.01	0.0002	0.0001	0.0001	10:09:10	Yes
Mean:	0.01	0.01	0.0001				
SD :	0.001	0.001	0.0000				
%RSD:	18.3	18.3	18.3166				

Element: Hg Seq. No.: 23 AS Loc.: 21 Date: 06/03/2005
Sample ID: ~~D0609-06A~~ LCS-18369 DW 6/3/05 10x dilution 0.22g

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.56	2.56	0.0608	0.2890	0.0608	10:10:00	Yes
2	2.55	2.55	0.0605	0.2880	0.0605	10:10:29	Yes
Mean:	2.55	2.55	0.0606				
SD :	0.009	0.009	0.0002				
%RSD:	0.4	0.4	0.3569				

Element: Hg Seq. No.: 24 AS Loc.: 22 Date: 06/03/2005
Sample ID: ~~D0609-06ADUP~~ D0609-06A DW 6/3/05 0.22g

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.21	0.21	0.0050	0.0232	0.0049	10:11:19	Yes
2	0.21	0.21	0.0051	0.0242	0.0050	10:11:48	Yes
Mean:	0.21	0.21	0.0050				
SD :	0.003	0.003	0.0001				
%RSD:	1.4	1.4	1.3877				

Element: Hg Seq. No.: 25 AS Loc.: 23 Date: 06/03/2005
Sample ID: ~~D0609-06AMS~~ D0609-06ADUP DW 6/3/05 0.22g

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.19	0.19	0.0045	0.0208	0.0044	10:12:38	Yes
2	0.19	0.19	0.0044	0.0207	0.0044	10:13:07	Yes
Mean:	0.19	0.19	0.0044				

SD :	0.000	0.000	0.0000
%RSD:	0.2	0.2	0.2402

Element: Hg Seq. No.: 26 AS Loc.: 24 Date: 06/03/2005
Sample ID: ~~D0609-07A~~ D0609-06AMS DW 6/3/05 0.22g

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.03	2.03	0.0481	0.2332	0.0481	10:13:57	Yes
2	2.02	2.02	0.0480	0.2324	0.0480	10:14:26	Yes
Mean:	2.02	2.02	0.0481				
SD :	0.003	0.003	0.0001				
%RSD:	0.1	0.1	0.1242				

Element: Hg Seq. No.: 27 AS Loc.: 7 Date: 06/03/2005
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.11	5.11	0.1214	0.5871	0.1214	10:15:17	Yes
2	5.11	5.11	0.1214	0.5866	0.1214	10:15:46	Yes
Mean:	5.11	5.11	0.1214				
SD :	0.000	0.000	0.0000				
%RSD:							

QC value within specified limits.

Element: Hg Seq. No.: 28 AS Loc.: 1 Date: 06/03/2005
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01	0.01	0.0003	0.0009	0.0003	10:16:38	Yes
2	0.02	0.02	0.0004	0.0018	0.0004	10:17:09	Yes
Mean:	0.02	0.02	0.0004				
SD :	0.002	0.002	0.0001				
%RSD:	14.8	14.8	14.7978				

QC value within specified limits.

Element: Hg Seq. No.: 29 AS Loc.: 25 Date: 06/03/2005
Sample ID: ~~D0609-15A~~ D0609-07A DW 6/3/05 0.24g

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.69	0.69	0.0164	0.0784	0.0164	10:18:03	Yes
2	0.70	0.70	0.0165	0.0793	0.0165	10:18:32	Yes
Mean:	0.69	0.69	0.0165				
SD :	0.003	0.003	0.0001				
%RSD:	0.4	0.4	0.4130				

Element: Hg Seq. No.: 30 AS Loc.: 26 Date: 06/03/2005
Sample ID: ~~D0609-16A~~ D0609-15A DW 6/3/05 0.21g

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.03	0.03	0.0007	0.0027	0.0006	10:19:22	Yes
2	0.03	0.03	0.0007	0.0031	0.0006	10:19:51	Yes
Mean:	0.03	0.03	0.0007				
SD :	0.001	0.001	0.0000				
%RSD:	3.3	3.3	3.3302				

Element: Hg Seq. No.: 31 AS Loc.: 27 Date: 06/03/2005

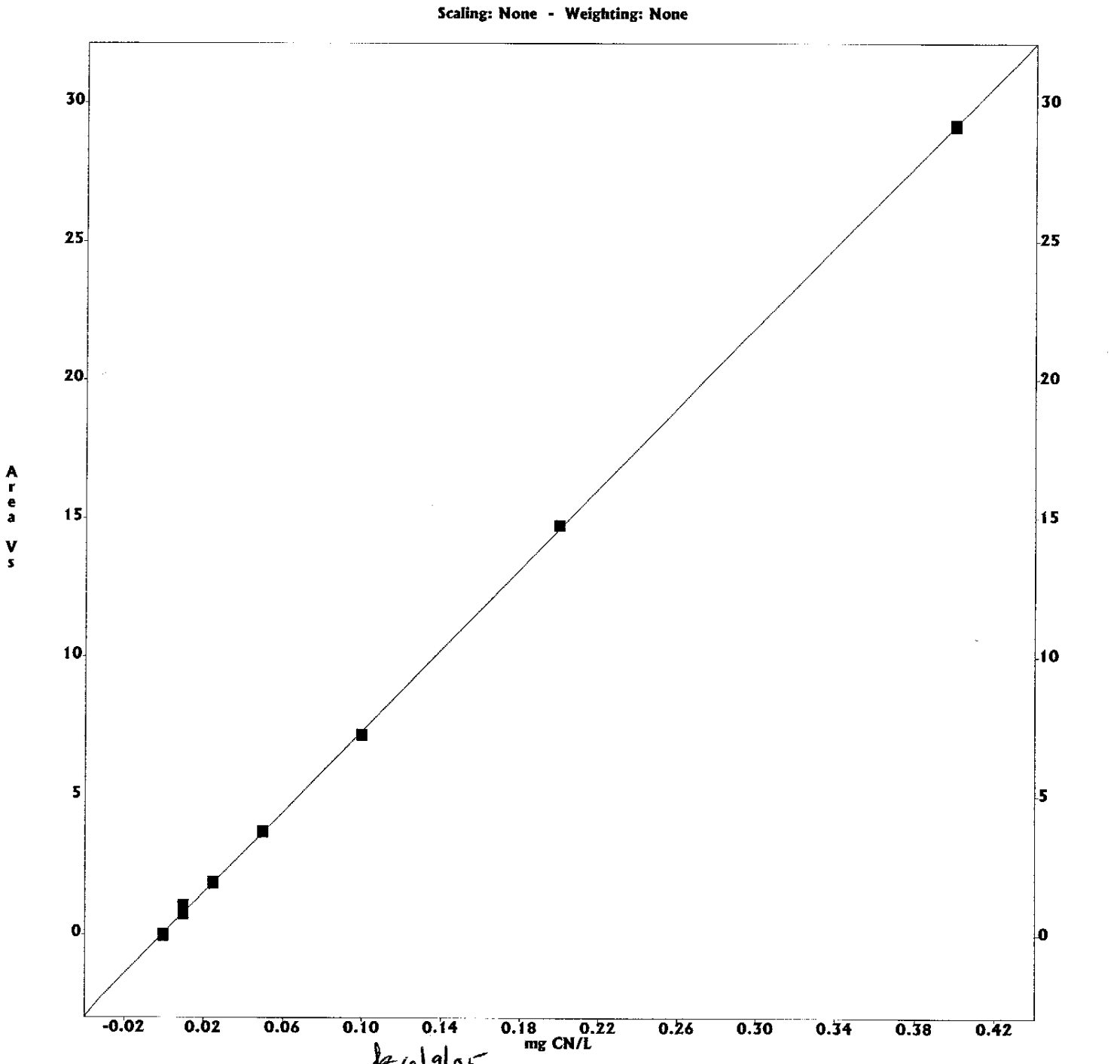
D0606-1-2 (SW9012-W), D0637 (E335.4), D0626-02 (E335.4), D0623-09 (IL141.0-W), D0619 (IL141.1-0.W)

Lachat 1-050607A (IL141.1) CN Lachat 1-050607B (9012)

Lachat 1- 050607C (E335.4)

Lvl	Area	mg CN/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	29892	0.000	29892	-45290				53161.7	-690.5	
2	732795	0.010	732795	1070279				238637.3	26.5	6.9
3	1940005	0.025	1940005	1834932				74298.3	3.9	-3.5
4	3715650	0.050	3715650	3772538				40225.9	1.1	-0.5
5	7235961	0.100	7235961	7189177				33081.3	0.5	1.4
6	14770098	0.200	14770098	14741879				19953.8	0.1	-1.0
7	29133334	0.400	29133334	29221860				62597.3	0.2	0.2

1st Order Poly
Conc = 1.373e-008 Area - 7.492e-004
r = 1.0000



Printed: Tuesday, June 07, 2005 - 02:13 PM 6/9/05

OPERATOR: rsmith
ACQ. TIME: Jun 7, 2005 12:37:10
DATA FILENAME: C:\OMNION\DATA\CN\JUNE05~1.DAT\C060705B.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\JUNE05.MET\C060705B.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\JUNE05.TRA\C060705B.TRA

TRAY DESCRIPTION:
Created: Jun 7, 2005 10:40:36
Modified: Jun 7, 2005 10:40:36
ANALYSIS: CYANIDE ANALYST: SN
DATA DESCRIPTION:
Created: Jun 7, 2005 12:37:10
Modified: Jun 7, 2005 12:37:10

Multi-Channel Table
Type: Calibration Standards
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (uv-s)	Man Dil Factor	Weight	Unit
6	S0	07 Jun 2005	12:37:48	2	-7698.6240	1.0	1.00000	g
7	S0.01	07 Jun 2005	12:40:19	2	901537.3125	1.0	1.00000	g
8	S0.025	07 Jun 2005	12:42:50	2	1887468.4375	1.0	1.00000	g
9	S0.05	07 Jun 2005	12:45:22	2	3744093.7500	1.0	1.00000	g
10	S0.10	07 Jun 2005	12:47:53	2	7212569.0000	1.0	1.00000	g
11	S0.20	07 Jun 2005	12:50:24	2	4755988.5000	1.0	1.00000	g
12	S0.40	07 Jun 2005	12:52:56	2	9177597.0000	1.0	1.00000	g

OPERATOR: rsmith
ACQ. TIME: Jun 7, 2005 12:37:10
DATA FILENAME: C:\OMNION\DATA\CN\JUNE05~1.DAT\C060705B.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\JUNE05.MET\C060705B.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\JUNE05.TRA\C060705B.TRA

TRAY DESCRIPTION:
Created: Jun 7, 2005 10:40:36
Modified: Jun 7, 2005 10:40:36
ANALYSIS: CYANIDE ANALYST: SN
DATA DESCRIPTION:
Created: Jun 7, 2005 12:37:10
Modified: Jun 7, 2005 12:37:10

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 30

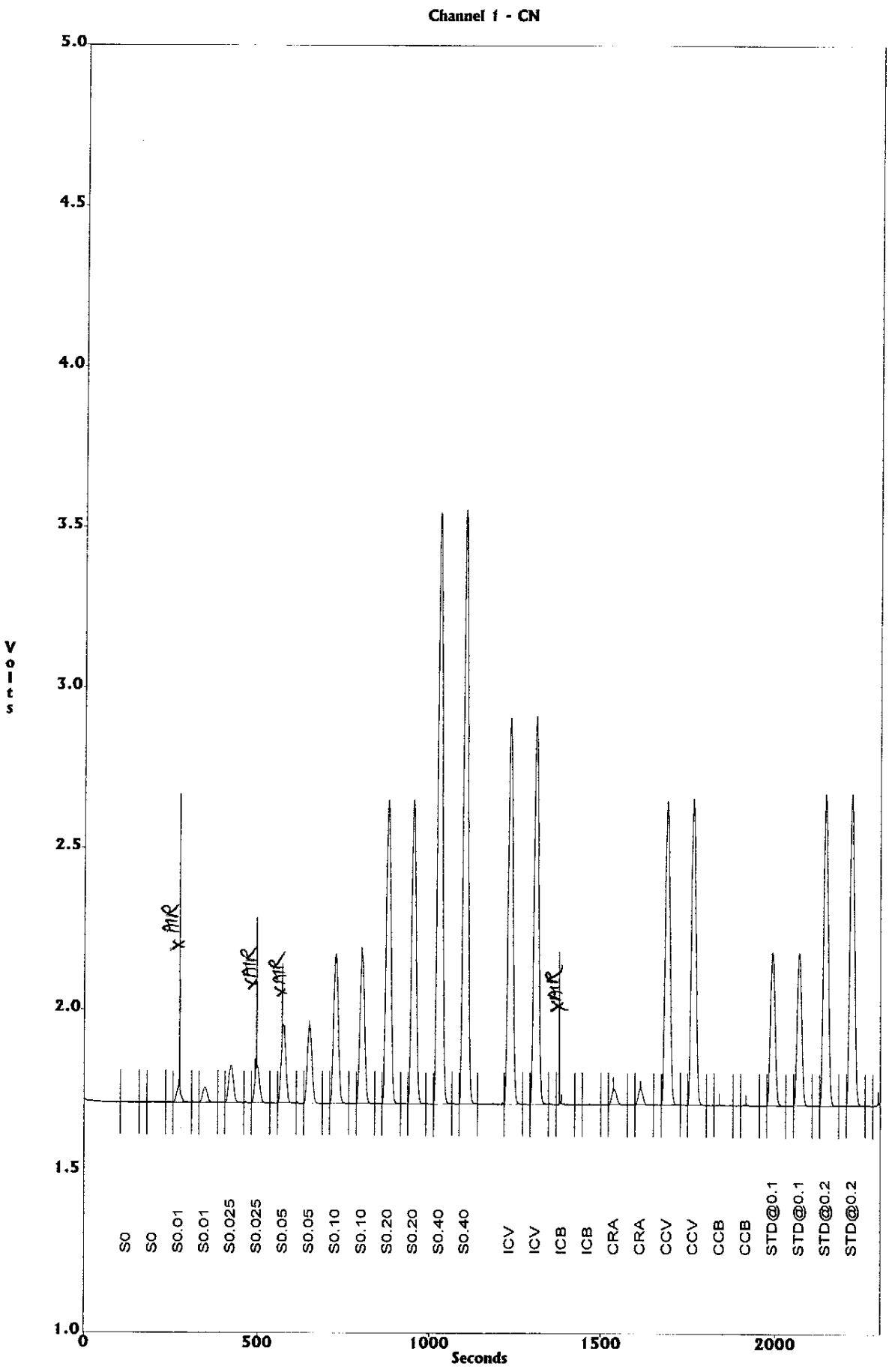
Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg CN/L)	Man Dil Factor	Weight	Unit	
1	ICV	07 Jun 2005	12:56:23	2	0.2547	1.0	1.00000	g	102%
2	ICB	07 Jun 2005	12:58:55	2	0.0004	1.0	1.00000	g	
3	CRA	07 Jun 2005	13:01:26	2	0.0096	1.0	1.00000	g	96%
4	CCV	07 Jun 2005	13:03:58	2	0.2007	1.0	1.00000	g	100%
5	CCB	07 Jun 2005	13:06:30	2	0.0000	1.0	1.00000	g	
6	STD@0.1	07 Jun 2005	13:09:01	2	0.0989	1.0	1.00000	g	99%
7	STD@0.2	07 Jun 2005	13:11:32	2	0.2036	1.0	1.00000	g	102%
8	MB-18415	07 Jun 2005	13:14:04	2	0.0012	1.0	1.00000	g	
9	CCV	07 Jun 2005	13:16:35	2	0.2022	1.0	1.00000	g	101%
10	CCB	07 Jun 2005	13:19:07	2	0.0024	1.0	1.00000	g	
11	LCS-18415	07 Jun 2005	13:21:38	2	0.1065	1.0	1.00000	g	107%
12	D0606-01G	07 Jun 2005	13:24:10	2	0.0086	1.0	1.00000	g	
13	D0606-02G	07 Jun 2005	13:26:42	2	0.0047	1.0	1.00000	g	
14	D0637-06A	07 Jun 2005	13:29:14	2	0.0002	1.0	1.00000	g	
15	D0637-16A	07 Jun 2005	13:31:46	2	0.0017	1.0	1.00000	g	
16	D0626-02A	07 Jun 2005	13:34:17	2	0.0001	1.0	1.00000	g	
17	D0626-02ADUP	07 Jun 2005	13:36:48	2	0.0012	1.0	1.00000	g	
18	D0626-02AMS	07 Jun 2005	13:39:19	2	~~-0.0009~~	1.0	1.00000	g	
19	CCV	07 Jun 2005	13:41:51	2	0.2035	1.0	1.00000	g	102%
20	CCB	07 Jun 2005	13:44:22	2	0.0029	1.0	1.00000	g	
21	~~D0623-08D~~	07 Jun 2005	13:46:54	2	-0.0004	1.0	1.00000	g	
22	D0618-01D	07 Jun 2005	13:49:26	2	0.0004	1.0	1.00000	g	
23	D0618-01DDUP	07 Jun 2005	13:51:58	2	0.0010	1.0	1.00000	g	
24	D0618-01DMS	07 Jun 2005	13:54:29	2	0.0942	1.0	1.00000	g	94%
25	D0618-05D	07 Jun 2005	13:57:01	2	-0.0006	1.0	1.00000	g	
26	D0618-06D	07 Jun 2005	13:59:33	2	0.0007	1.0	1.00000	g	
27	D0618-09D	07 Jun 2005	14:02:05	2	-0.0007	1.0	1.00000	g	
28	CCV	07 Jun 2005	14:04:36	2	0.2032	1.0	1.00000	g	102%
29	CCB	07 Jun 2005	14:07:07	2	-0.0002	1.0	1.00000	g	
30	SOLVENT	07 Jun 2005	14:09:38	2	0.0004	1.0	1.00000	g	

OPERATOR: rsmith
ACQ. TIME: Jun 7, 2005 14:27:18
DATA FILENAME: C:\OMNION\DATA\CN\JUNE05~1.DAT\C060705C.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\JUNE05.MET\C060705C.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\JUNE05.TRA\C060705C.TRA

TRAY DESCRIPTION:
Created: Jun 7, 2005 14:23:06
Modified: Jun 7, 2005 14:23:06
ANALYSIS: CYANIDE ANALYST: SN
DATA DESCRIPTION:
Created: Jun 7, 2005 14:27:18
Modified: Jun 7, 2005 14:27:18

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg CN/L)	Man Dil Factor	Weight	Unit	
1	D0626-02APDS	07 Jun 2005	14:27:39	2	0.1098	1.0	1.00000	g	110%
2	CCV	07 Jun 2005	14:30:10	2	0.1962	1.0	1.00000	g	98%
3	CCB	07 Jun 2005	14:32:41	2	-0.0005	1.0	1.00000	g	
4	SOLVENT	07 Jun 2005	14:35:11	2	-0.0000	1.0	1.00000	g	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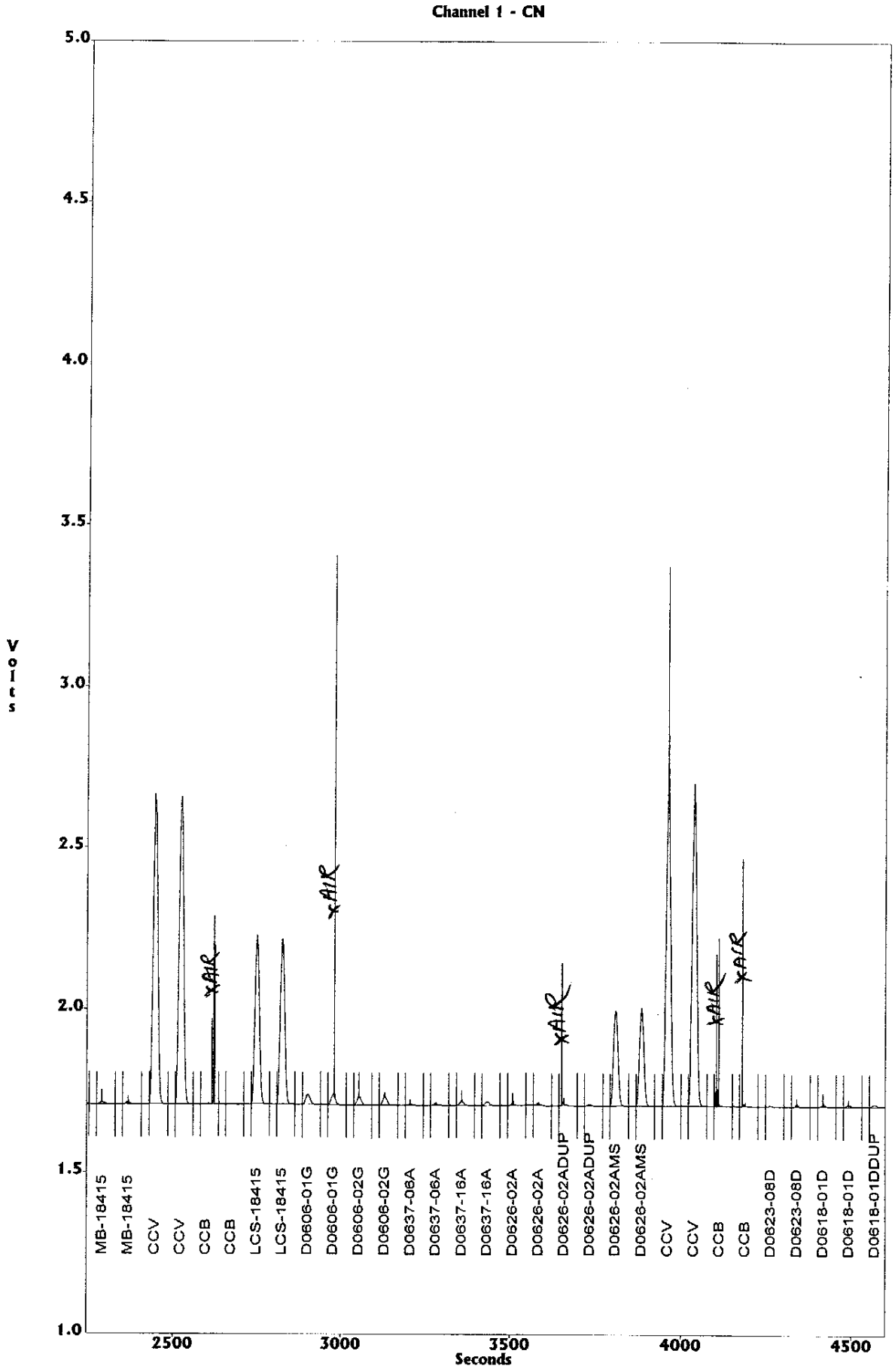
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
0
500
1000
1500
2000
Seconds
S0
S0
S0.01
S0.01
S0.025
S0.025
S0.05
S0.05
S0.10
S0.10
S0.20
S0.20
S0.40
S0.40
ICV
ICV
ICB
ICB
CRA
CRA
CCV
CCV
CCB
CCB
STD@0.1
STD@0.1
STD@0.2
STD@0.2


Channel 1 - CN
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
2500
3000
3500
4000
4500
Seconds
MB-18415
MB-18415
CCV
CCV
CCB
CCB
LCS-18415
LCS-18415
D0606-01G
D0606-01G
D0606-02G
D0606-02G
D0637-06A
D0637-06A
D0637-16A
D0637-16A
D0626-02A
D0626-02A
D0626-02ADUP
D0626-02ADUP
D0626-02AMS
D0626-02AMS
CCV
CCV
CCB
CCB
D0623-08D
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D0618-01D
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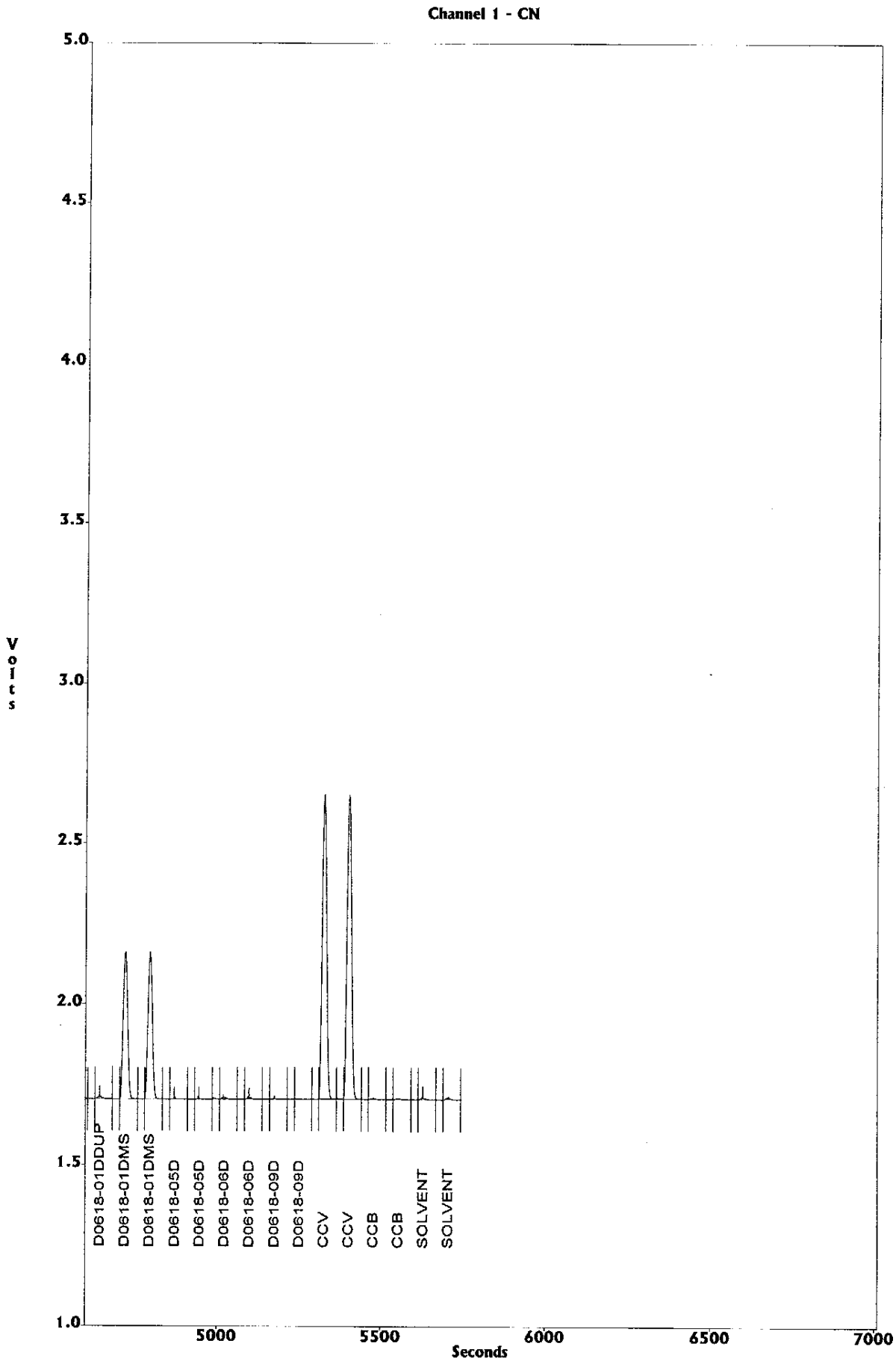
D0618-01DDUP
AIR
AIR
AIR
AIR
AIR


Channel 1 - CN
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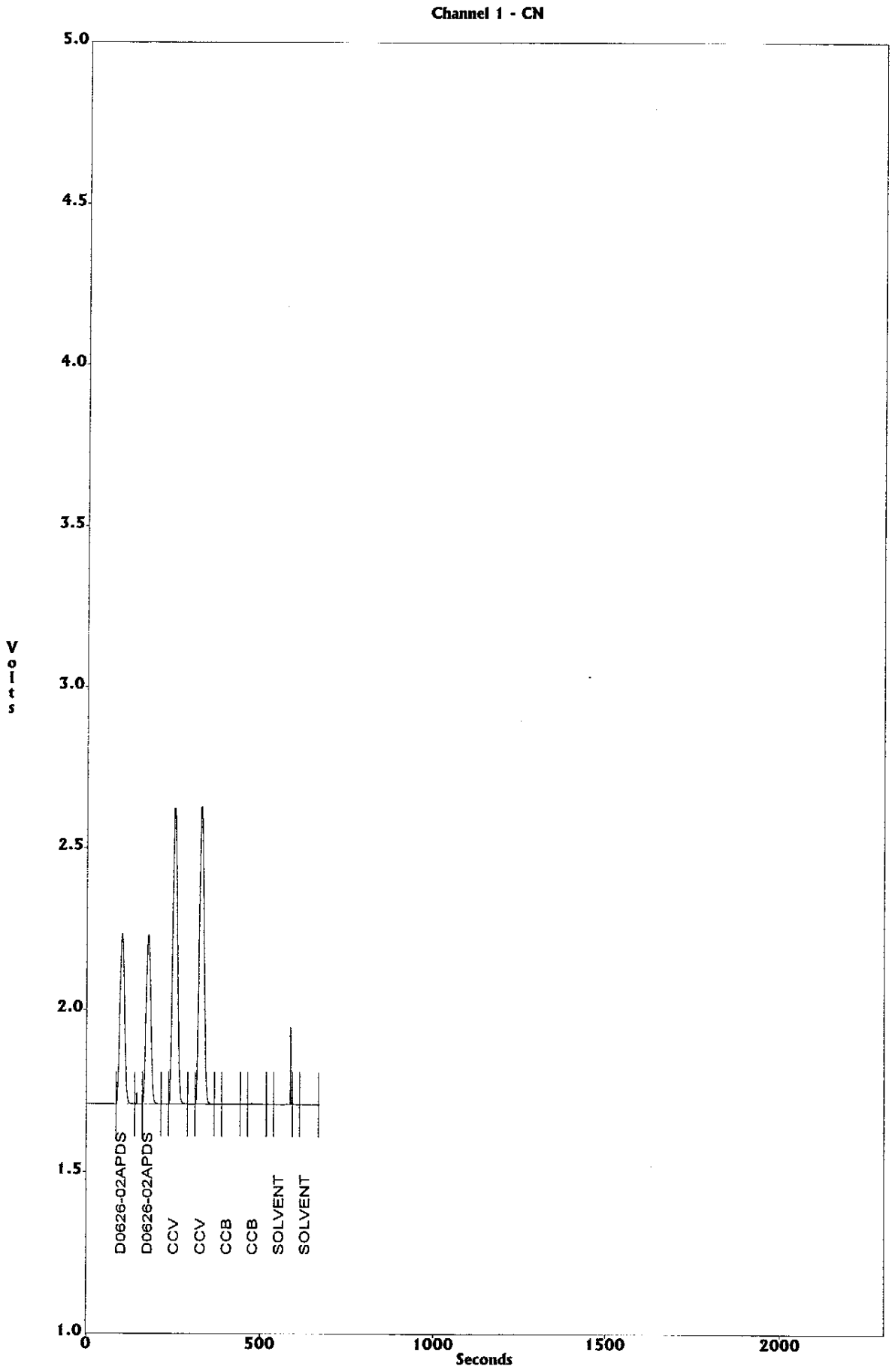
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
D0618-01DDUP
D0618-01DMS
D0618-01DMS
D0618-05D
D0618-05D
D0618-06D
D0618-06D
D0618-09D
D0618-09D
CCV
CCV
CCB
CCB
SOLVENT
SOLVENT
5000
5500
6000
6500
7000
Seconds


Channel 1 - CN
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
0
500
1000
1500
2000
Seconds
D0626-02APDS
D0626-02APDS
CCV
CCV
CCB
CCB
SOLVENT
SOLVENT

Creator: rsmith
Creation Date: Jun 7, 2005 10:40:36
Last Modified: Jun 7, 2005 10:40:36
Description: ANALYSIS: CYANIDE ANALYST: SN

Cup #	Sample ID	Manual Dilution	Sample Type	
6	S0	1.0000	CalStd	
7	S0.01	1.0000	CalStd	
8	S0.025	1.0000	CalStd	
9	S0.05	1.0000	CalStd	
10	S0.10	1.0000	CalStd	
11	S0.20	1.0000	CalStd	
12	S0.40	1.0000	CalStd	
1	ICV	1.0000	Unknown	
2	ICB	1.0000	Unknown	
3	CRA	1.0000	Unknown	
4	CCV	1.0000	Unknown	
5	CCB	1.0000	Unknown	
6	STD@0.1	1.0000	Unknown	
7	STD@0.2	1.0000	Unknown	
8	MB-18415	1.0000	Unknown	
9	CCV	1.0000	Unknown	
10	CCB	1.0000	Unknown	
11	LCS-18415	1.0000	Unknown	
12	D0606-01G	1.0000	Unknown	
13	D0606-02G	1.0000	Unknown	
14	D0637-06A	1.0000	Unknown	
15	D0637-16A	1.0000	Unknown	
16	D0626-02A	1.0000	Unknown	
17	D0626-02ADUP	1.0000	Unknown	
18	D0626-02AMS	1.0000	Unknown	
19	CCV	1.0000	Unknown	
20	CCB	1.0000	Unknown	
21	D0623-08D	1.0000	Unknown	
22	D0618-01D	1.0000	Unknown	
23	D0618-01DDUP	1.0000	Unknown	
24	D0618-01DMS	1.0000	Unknown	
25	D0618-05D	1.0000	Unknown	
26	D0618-06D	1.0000	Unknown	
27	D0618-09D	1.0000	Unknown	
28	CCV	1.0000	Unknown	
29	CCB	1.0000	Unknown	
30	SOLVENT	1.0000	Unknown	

Creator: rsmith
Creation Date: Jun 7, 2005 14:23:06
Last Modified: Jun 7, 2005 14:23:06
Description: ANALYSIS: CYANIDE ANALYST: SN

Cup #	Sample ID	Manual Dilution	Sample Type	
6	S0	1.0000	CalStd	
7	S0.01	1.0000	CalStd	
8	S0.025	1.0000	CalStd	
9	S0.05	1.0000	CalStd	
10	S0.10	1.0000	CalStd	
11	S0.20	1.0000	CalStd	
12	S0.40	1.0000	CalStd	
1	D0626-02APDS	1.0000	Unknown	
2	CCV	1.0000	Unknown	
3	CCB	1.0000	Unknown	
4	SOLVENT	1.0000	Unknown	

MITKEM CORPORATION SAMPLE RUN LOG: LACHAT INSTRUMENT

Date: 6/7/05 Analyst: SW

Analyses: Channel 1: CN Channel 2:

* results in mg/L

AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID
S1	$0.0	12	D0606 01G	32	CCV	52		72	
S2	$0.01	13	D0606 02G	33	CCB	53		73	
S3	$0.025	14	D0637 06A	34	Solvent	54		74	
S4	$0.05	15	D0637 16A	35		55		75	
S5	$0.10	16	D0626 02A	36		56		76	
S6	$0.20	17	D0626 02ADup	37		57		77	
S7	$0.40	18	D0626 02AMS	38		58		78	
S8	6/7/05 SW	19	CCV	39		59		79	
S9		20	CCB	40		60		80	
1	ICV	21	D0623 08D	41		61		81	
2	ICB	22	D0618 01D	42		62		82	
3	CRA	23	↓	43		63		83	
4	CCV	24	01DMS	44		64		84	
5	CCB	25	05D	45		65		85	
6	STD @ 0.1	26	↓ 06D	46		66		86	
7	STD @ 0.2	27	D0618 09D	47		67		87	
8	MB-18415	28	CCV	48		68		88	
9	CCV	29	CCB	49		69		89	
10	CCB	30	Solvent	50		70		90	
11	LCS-18415	31	D0626 02PDS	51		71		91	

*Report all results in mg/L

DATA FILE NAME C0607056.C

METHOD FILE NAME ↓

TRAY FILE NAME ↓

REPORT FILE NAME C0607056.C

Reagent Lots

Pyridine IR0505902

NaOH IR0506060l

KH2PO4 IR0506070Z

Barbituric Acid IR0505902

Chloramine-T IR0506070l

Other

curve: IWW0506010l

CCV: IWW0506010Z

Curve on 6/7/05

m =

b =

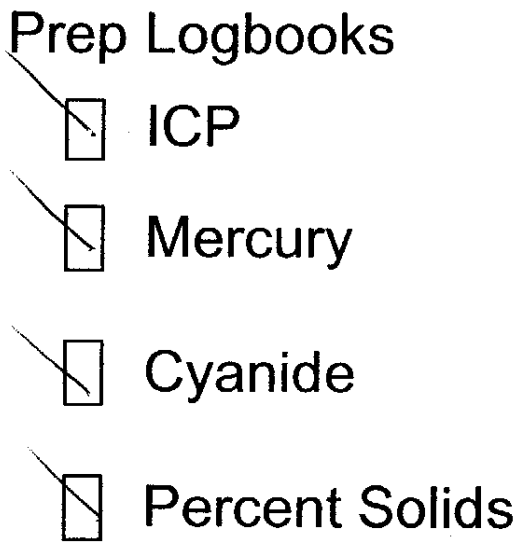
r = 1.0000

Logbook ID 100.0144-02/05

Reviewed by

Logbook page 050

6920


Prep Logbooks
ICP
Mercury
Cyanide
Percent Solids

ILM 4.1

MITKEM CORPORATION: Aqueous Metals Preparation Logbook

D0618

Date	Sample ID		Client ID	Sample Vol (ml)	pH	Sample Color Before	Clarity Before	Conc. HNO_3 (ml)	Conc. HCl (ml)	1:1 HCl (ml)	Sample Color After	Sample Clarity After	Final Volume (ml)	Comments	Analyst
6/2/15	PBW-18366		-	50	-	colorless	clear	0.5	2.5	-	colorless	clear	50		SW
	LCSW		-		-	colorless	clear				colorless	clear			
	D0623	08C	055FB0526		<2	colorless	clear				colorless	clear			
	D0618	01C	MW-01		<2	brown	cloudy				yellow	cloudy			
		01CDUP	MW-01		<2	brown	cloudy				yellow	cloudy			
		01CMS	MW-01		<2	brown	cloudy				yellow	cloudy			
		05C	MW-06		<2	colorless	cloudy				colorless	clear			
		06C	MW-07		<2	brown	cloudy				pale yellow	cloudy			
6/2/15	D0618	09C	RIN-3	50	<2	colorless	clear	0.5	2.5	-	yellow	~~cloudy~~ clear SW 6/2/15	50		SW

HCl Lot# 4104090

HNO3 Lot# 110408

Method: ILM4.1

Digestion Temp: 95 oC

LCSS/Spike ID: I040928B 45ml / I041897 } 50ml
I041130D 45ml / I040302E }
I040257 / I040430A }

SOP#: 100.0009

RELINQUISHED TO: 6/2/15

Logbook ID 100.0125-05/05

Reviewed By: _____

0221

1LM 4.1 Aq.

MITKEM CORPORATION: Mercury Digestion Logbook

D0618

Date	Bottle No.	Sample ID	Client ID	Sample Vol (ml)/ Wt (g)	Reagents Added: Conc. H_2SO_4 (ml)	Conc. HNO_3 (ml)	5% $KMnO_4$ (ml)	5% K_2SO_4 (ml)	Aqua-regia (ml)	Final Volume (ml)	Comments	Analyst
6/2/05	2R	S0.0	—	100	5	2.5	15	8	—	100		SW
	108	S0.2		0.04/100							II 050601A	
	5E	S1.0		02/100								
	213	S2.0		0.4/100								
	17R	S5.0		1.0/100								
	196	S10.0		2.0/100							II 050601A	
	258	ICV		0.0/100							II 050602A	
	133N	PBW-18368	—	100						100		
	208	D0623	08C	055FB0526	100					134		
	92XY	D0618	01C	MW-01						132		
	315		01CDup	MW-01						132		
	256		01CMS	MW-01						132		
	329A		05C	MW-06						130		
	152		06C	MW-07						134		
6/2/05	217	D0618	09C	RIN-3	100	5	2.5	15	8	—	132		SW
							6/2/05 SW					

Waters
In: 11:15
Out: 18:15
Matrix: Aqueous

Soils
In: N/A Out:
In: Out:
Matrix: Soil/Solid

LCSS —
Spike II 050601A

Temp: 95 °C
H_2SO_4 Lot # 3103091
HNO_3 Lot # 110408
HCl Lot # 404090
KMnO4 Lot # 050469
K2S2O8 Lot# 041401
Method # 1LM4.1 AS

RELINQUISHED TO: 6/2/05

Reviewed by:

Logbook ID: 100.0128-05/05

MITKEM CORPORATION: CYANIDE DISTILLATION LOGBOOK

Date: 6/6/05 Time On: 10:10 12:30 Time Off: 12:10 14:30 Analyst: SW

Place #	Lab ID		Sample Vol (ml) Weight (g)	Sample pH	Pb Ac Paper (Y/N)	O.IN NaAsO2 (ml)	KI Test (Y/N)	4N Sulfamic Acid (ml)	50% H2SO4	2.5M MgCl2 (ml)	Final Volume
1	ICV		50	—	N	—	N	6.5	5	2	50
2	Std 0.1										50
3	Std 0.2										50
4	PBW-18415										50
5	LCSW-18415				N/A						50
6	D0606	01G		~14	Y						50
7	D0606	02G		~14	N						50
8	D0637	06A		~13							50
9	D0637	16A		~12							50
10	D0626	02A		~13							50
1	D0626	02ADup		~13							50
2	D0626	02AMS		~13							50
3	MB-18415 SW 6/1/05 ~~D0637~~	6									50
4	~~D0638~~ D0623 SW 6/1/05 ~~D0637~~	08D		~13							50
5	D0618	01D		~13							50
6		01DDup		~13							50
7		01DMS		~13							50
8		05D		~13							50
9		06D		~14							50
10	D0618	09D	50	≥13	N	—	N	0.5	5	2	50

Sulfamic Acid: IR0505120 7

Na_2AsO_2: —

H_2SO_4: IR0505310 2

Logbook ID: 100.0169-04/05

Std 0.1 = IWI 0506060 1

IR0505450 1

$MgCl_2$: ~~IR0505120 7~~ 6/6/05

Cad. Carbonate: K13L24

Temp: 125C

LCS ID: IWI0506060 2

IWI 0506016 1

Spike ID: IWI0506016 2

ICV ID: IWI0506020 2

Std.0.2: IWI0506020 1

Reviewed By: _____

0773

Last Page of Data Report

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site:	5 Hunt Rd. Jamestown, NY	**Lab Project Number:**	06-0225
Client Job Number:	3563S-04	**Lab Sample Number:**	1320
Field Location:	MW-02	**Date Sampled:**	01/12/2006
Field ID Number:	N/A	**Date Received:**	01/13/2006
Sample Type:	Water	**Date Analyzed:**	01/17/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 20.0	trans-1,2-Dichloroethene	ND< 20.0
Bromomethane	ND< 20.0	1,2-Dichloropropane	ND< 20.0
Bromoform	ND< 20.0	cis-1,3-Dichloropropene	ND< 20.0
Carbon Tetrachloride	ND< 20.0	trans-1,3-Dichloropropene	ND< 20.0
Chloroethane	ND< 20.0	Methylene chloride	ND< 50.0
Chloromethane	ND< 20.0	1,1,2,2-Tetrachloroethane	ND< 20.0
2-Chloroethyl vinyl Ether	ND< 20.0	Tetrachloroethene	2,090
Chloroform	ND< 20.0	1,1,1-Trichloroethane	ND< 20.0
Dibromochloromethane	ND< 20.0	1,1,2-Trichloroethane	ND< 20.0
1,1-Dichloroethane	ND< 20.0	Trichloroethene	ND< 20.0
1,2-Dichloroethane	ND< 20.0	Trichlorofluoromethane	ND< 20.0
1,1-Dichloroethene	ND< 20.0	Vinyl chloride	ND< 20.0
Chlorobenzene	ND< 20.0	1,3-Dichlorobenzene	ND< 20.0
1,2-Dichlorobenzene	ND< 20.0	1,4-Dichlorobenzene	ND< 20.0

ELAP Number 10958 Method: EPA 8260B Data File: V34174.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site:	5 Hunt Rd. Jamestown, NY	**Lab Project Number:**	06-0225
Client Job Number:	3563S-04	**Lab Sample Number:**	1321
Field Location:	MW-03	**Date Sampled:**	01/12/2006
Field ID Number:	N/A	**Date Received:**	01/13/2006
Sample Type:	Water	**Date Analyzed:**	01/17/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 20.0	trans-1,2-Dichloroethene	ND< 20.0
Bromomethane	ND< 20.0	1,2-Dichloropropane	ND< 20.0
Bromoform	ND< 20.0	cis-1,3-Dichloropropene	ND< 20.0
Carbon Tetrachloride	ND< 20.0	trans-1,3-Dichloropropene	ND< 20.0
Chloroethane	ND< 20.0	Methylene chloride	ND< 50.0
Chloromethane	ND< 20.0	1,1,2,2-Tetrachloroethane	ND< 20.0
2-Chloroethyl vinyl Ether	ND< 20.0	Tetrachloroethene	1,040
Chloroform	ND< 20.0	1,1,1-Trichloroethane	ND< 20.0
Dibromochloromethane	ND< 20.0	1,1,2-Trichloroethane	ND< 20.0
1,1-Dichloroethane	ND< 20.0	Trichloroethene	ND< 20.0
1,2-Dichloroethane	ND< 20.0	Trichlorofluoromethane	ND< 20.0
1,1-Dichloroethene	ND< 20.0	Vinyl chloride	ND< 20.0
Chlorobenzene	ND< 20.0	1,3-Dichlorobenzene	ND< 20.0
1,2-Dichlorobenzene	ND< 20.0	1,4-Dichlorobenzene	ND< 20.0

ELAP Number 10958 Method: EPA 8260B Data File: V34175.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site:	5 Hunt Rd. Jamestown, NY	**Lab Project Number:**	06-0225
Client Job Number:	3563S-04	**Lab Sample Number:**	1322
Field Location:	MW-04	**Date Sampled:**	01/12/2006
Field ID Number:	N/A	**Date Received:**	01/13/2006
Sample Type:	Water	**Date Analyzed:**	01/17/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 20.0	trans-1,2-Dichloroethene	ND< 20.0
Bromomethane	ND< 20.0	1,2-Dichloropropane	ND< 20.0
Bromoform	ND< 20.0	cis-1,3-Dichloropropene	ND< 20.0
Carbon Tetrachloride	ND< 20.0	trans-1,3-Dichloropropene	ND< 20.0
Chloroethane	ND< 20.0	Methylene chloride	ND< 50.0
Chloromethane	ND< 20.0	1,1,2,2-Tetrachloroethane	ND< 20.0
2-Chloroethyl vinyl Ether	ND< 20.0	Tetrachloroethene	1,230
Chloroform	ND< 20.0	1,1,1-Trichloroethane	ND< 20.0
Dibromochloromethane	ND< 20.0	1,1,2-Trichloroethane	ND< 20.0
1,1-Dichloroethane	ND< 20.0	Trichloroethene	ND< 20.0
1,2-Dichloroethane	ND< 20.0	Trichlorofluoromethane	ND< 20.0
1,1-Dichloroethene	ND< 20.0	Vinyl chloride	ND< 20.0
Chlorobenzene	ND< 20.0	1,3-Dichlorobenzene	ND< 20.0
1,2-Dichlorobenzene	ND< 20.0	1,4-Dichlorobenzene	ND< 20.0

ELAP Number 10958 Method: EPA 8260B Data File: V34176.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site:	5 Hunt Rd. Jamestown, NY	**Lab Project Number:**	06-0225
Client Job Number:	3563S-04	**Lab Sample Number:**	1323
Field Location:	MW-05	**Date Sampled:**	01/12/2006
Field ID Number:	N/A	**Date Received:**	01/13/2006
Sample Type:	Water	**Date Analyzed:**	01/17/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00	trans-1,2-Dichloroethene	ND< 2.00
Bromomethane	ND< 2.00	1,2-Dichloropropane	ND< 2.00
Bromoform	ND< 2.00	cis-1,3-Dichloropropene	ND< 2.00
Carbon Tetrachloride	ND< 2.00	trans-1,3-Dichloropropene	ND< 2.00
Chloroethane	ND< 2.00	Methylene chloride	ND< 5.00
Chloromethane	ND< 2.00	1,1,2,2-Tetrachloroethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00	Tetrachloroethene	ND< 2.00
Chloroform	ND< 2.00	1,1,1-Trichloroethane	ND< 2.00
Dibromochloromethane	ND< 2.00	1,1,2-Trichloroethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00	Trichloroethene	ND< 2.00
1,2-Dichloroethane	ND< 2.00	Trichlorofluoromethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00	Vinyl chloride	ND< 2.00
Chlorobenzene	ND< 2.00	1,3-Dichlorobenzene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00	1,4-Dichlorobenzene	ND< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V34177.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site:	5 Hunt Rd. Jamestown, NY	**Lab Project Number:**	06-0225
Client Job Number:	3563S-04	**Lab Sample Number:**	1324
Field Location:	MW-06	**Date Sampled:**	01/12/2006
Field ID Number:	N/A	**Date Received:**	01/13/2006
Sample Type:	Water	**Date Analyzed:**	01/18/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 10.0	trans-1,2-Dichloroethene	ND< 10.0
Bromomethane	ND< 10.0	1,2-Dichloropropane	ND< 10.0
Bromoform	ND< 10.0	cis-1,3-Dichloropropene	ND< 10.0
Carbon Tetrachloride	ND< 10.0	trans-1,3-Dichloropropene	ND< 10.0
Chloroethane	ND< 10.0	Methylene chloride	ND< 25.0
Chloromethane	ND< 10.0	1,1,2,2-Tetrachloroethane	ND< 10.0
2-Chloroethyl vinyl Ether	ND< 10.0	Tetrachloroethene	392
Chloroform	ND< 10.0	1,1,1-Trichloroethane	ND< 10.0
Dibromochloromethane	ND< 10.0	1,1,2-Trichloroethane	ND< 10.0
1,1-Dichloroethane	ND< 10.0	Trichloroethene	ND< 10.0
1,2-Dichloroethane	ND< 10.0	Trichlorofluoromethane	ND< 10.0
1,1-Dichloroethene	ND< 10.0	Vinyl chloride	ND< 10.0
Chlorobenzene	ND< 10.0	1,3-Dichlorobenzene	ND< 10.0
1,2-Dichlorobenzene	ND< 10.0	1,4-Dichlorobenzene	ND< 10.0

ELAP Number 10958 Method: EPA 8260B Data File: V34204.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site:	5 Hunt Rd. Jamestown, NY	**Lab Project Number:**	06-0225
Client Job Number:	3563S-04	**Lab Sample Number:**	1325
Field Location:	MW-07	**Date Sampled:**	01/12/2006
Field ID Number:	N/A	**Date Received:**	01/13/2006
Sample Type:	Water	**Date Analyzed:**	01/18/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 200	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 200	Tetrachloroethene	8,590
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	ND< 200
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	ND< 200
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200

ELAP Number 10958 Method: EPA 8260B Data File: V34205.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger, Technical Director

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Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site:	5 Hunt Rd. Jamestown, NY	**Lab Project Number:**	06-0225
Client Job Number:	3563S-04	**Lab Sample Number:**	1326
Field Location:	PW-2	**Date Sampled:**	01/12/2006
Field ID Number:	N/A	**Date Received:**	01/13/2006
Sample Type:	Water	**Date Analyzed:**	01/18/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 1,000	trans-1,2-Dichloroethene	ND< 1,000
Bromomethane	ND< 1,000	1,2-Dichloropropane	ND< 1,000
Bromoform	ND< 1,000	cis-1,3-Dichloropropene	ND< 1,000
Carbon Tetrachloride	ND< 1,000	trans-1,3-Dichloropropene	ND< 1,000
Chloroethane	ND< 1,000	Methylene chloride	ND< 2,500
Chloromethane	ND< 1,000	1,1,2,2-Tetrachloroethane	ND< 1,000
2-Chloroethyl vinyl Ether	ND< 1,000	Tetrachloroethene	29,700
Chloroform	ND< 1,000	1,1,1-Trichloroethane	ND< 1,000
Dibromochloromethane	ND< 1,000	1,1,2-Trichloroethane	ND< 1,000
1,1-Dichloroethane	ND< 1,000	Trichloroethene	ND< 1,000
1,2-Dichloroethane	ND< 1,000	Trichlorofluoromethane	ND< 1,000
1,1-Dichloroethene	ND< 1,000	Vinyl chloride	ND< 1,000
Chlorobenzene	ND< 1,000	1,3-Dichlorobenzene	ND< 1,000
1,2-Dichlorobenzene	ND< 1,000	1,4-Dichlorobenzene	ND< 1,000

ELAP Number 10958 Method: EPA 8260B Data File: V34206.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site:	5 Hunt Rd. Jamestown, NY	**Lab Project Number:**	06-0225
Client Job Number:	3563S-04	**Lab Sample Number:**	1327
Field Location:	PW-3	**Date Sampled:**	01/12/2006
Field ID Number:	N/A	**Date Received:**	01/13/2006
Sample Type:	Water	**Date Analyzed:**	01/18/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 1,000	trans-1,2-Dichloroethene	ND< 1,000
Bromomethane	ND< 1,000	1,2-Dichloropropane	ND< 1,000
Bromoform	ND< 1,000	cis-1,3-Dichloropropene	ND< 1,000
Carbon Tetrachloride	ND< 1,000	trans-1,3-Dichloropropene	ND< 1,000
Chloroethane	ND< 1,000	Methylene chloride	ND< 2,500
Chloromethane	ND< 1,000	1,1,2,2-Tetrachloroethane	ND< 1,000
2-Chloroethyl vinyl Ether	ND< 1,000	Tetrachloroethene	64,700
Chloroform	ND< 1,000	1,1,1-Trichloroethane	ND< 1,000
Dibromochloromethane	ND< 1,000	1,1,2-Trichloroethane	ND< 1,000
1,1-Dichloroethane	ND< 1,000	Trichloroethene	7,360
1,2-Dichloroethane	ND< 1,000	Trichlorofluoromethane	ND< 1,000
1,1-Dichloroethene	ND< 1,000	Vinyl chloride	17,900
Chlorobenzene	ND< 1,000	1,3-Dichlorobenzene	ND< 1,000
1,2-Dichlorobenzene	ND< 1,000	1,4-Dichlorobenzene	ND< 1,000

ELAP Number 10958 Method: EPA 8260B Data File: V34207.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:	
COMPANY:	DAY ENVIRONMENTAL. INC.	COMPANY:	Anderson Cleaners
ADDRESS:	40 Commercial st	ADDRESS:	5 Hunt Rd.
CITY:	Rochester	STATE: NY	ZIP: 14614
CITY:	Jamestown	STATE: NY	ZIP: 14701
PHONE:	454-0210	FAX:	
PHONE:	716 664 5610	FAX:	
ATTN:	Ray Kampff	ATTN:	Mike Lyons

LAB PROJECT #: 06-0225
CLIENT PROJECT #: 3563S-04

TURNAROUND TIME: (WORKING DAYS) — STD: [ ] 1 [ ] 2 [ ] 3 [X] 5 — OTHER: [ ]

PROJECT NAME/SITE NAME: 5 Hunt Rd Jamestown, NY

COMMENTS:

REQUESTED ANALYSIS: Halocarbons 8260 W

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Halocarbons 8260 W	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	1/12/06	1335		X	MW-02	Water	2	X		13210
2	1/12/06	1200		X	MW-03		2	X		13211
3	1/12/06	1205		X	MW-04		2	X		13212
4	1/12/06	1237		X	MW-05		2	X		13213
5	1/12/06	1125		X	MW-06		2	X		13214
6	1/12/06	1223		X	MW-07		2	X		13215
7	1/12/06	1250		X	PW-2		2	X		13216
8	1/12/06	1306		X	PW-3	↓	2	X		13217
9	~~1/12/06~~									
10										

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y [✓]	N [ ]
Comments:		
Preservation:	Y [✓]	N [ ]
Comments:		
Holding Time:	Y [✓]	N [ ]
Comments:		
Temperature:	Y [✓]	N [ ]
Comments: 2°C iced		

Sampled By	1/12/06 15:00	Date/Time
Relinquished By	1/13/06 1110	Date/Time
Received By	1/13/06 1110	Date/Time
Received @ Lab By	1-13-06 1135	Date/Time

Total Cost:

P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:	
COMPANY:	DAY ENVIRONMENTAL. INC.	COMPANY:	Anderson Cleaners
ADDRESS:	40 Commercial st	ADDRESS:	5 Hunt Rd.
CITY:	Rochester	STATE: NY ZIP: 14614	CITY: Jamestown STATE: NY ZIP: 14701
PHONE:	454-0210 FAX:	PHONE:	716 664 5610 FAX:
ATTN:	Ray Kampff	ATTN:	Mike Lyons
COMMENTS:			

LAB PROJECT #:

CLIENT PROJECT #: 35635-04

TURNAROUND TIME: (WORKING DAYS) STD OTHER

☐ 1 ☐ 2 ☐ 3 ☒ 5 ☐

PROJECT NAME/SITE NAME: 5 Hunt Rd Jamestown, NY

REQUESTED ANALYSIS: Halocarbons 8260 VOC

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Halocarbons 8260 VOC	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	1/12/06	1335		X	MW-02	Water	2	X		
2	1/12/06	1200		X	MW-03		2	X		
3	1/12/06	1205		X	MW-04		2	X		
4	1/12/06	1237		X	MW-05		2	X		
5	1/12/06	1125		X	MW-06		2	X		
6	1/12/06	1223		X	MW-07		2	X		
7	1/12/06	1250		X	PW-2		2	X		
8	1/12/06	1306		X	PW-3	↓	2	X		
9	~~1/12/06~~									
10										

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments:		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature:	Y ☐	N ☐
Comments:		

C C R	1/12/06 15:00	Sampled By / Date/Time
C C R	1/13/06 1110	Relinquished By / Date/Time
[signature]	1/13/06 1110	Received By / Date/Time
		Received @ Lab By / Date/Time

Total Cost: ☐

P.I.F. ☐

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

APR 2 8 2006

Client: Day Environmental Inc.

Client Job Site:	5 Hunt Rd. Jamestown, NY	**Lab Project Number:**	06-1085
Client Job Number:	3563R-04	**Lab Sample Number:**	3859
Field Location:	TB-202 (10.0')	**Date Sampled:**	04/06/2006
Field ID Number:	N/A	**Date Received:**	04/07/2006
Sample Type:	Soil	**Date Analyzed:**	04/13/2006

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 124	trans-1,2-Dichloroethene	ND< 124
Bromomethane	ND< 124	1,2-Dichloropropane	ND< 124
Bromoform	ND< 124	cis-1,3-Dichloropropene	ND< 124
Carbon Tetrachloride	ND< 124	trans-1,3-Dichloropropene	ND< 124
Chloroethane	ND< 124	Methylene chloride	ND< 310
Chloromethane	ND< 124	1,1,2,2-Tetrachloroethane	ND< 124
2-Chloroethyl vinyl Ether	ND< 124	Tetrachloroethene	12,200
Chloroform	ND< 124	1,1,1-Trichloroethane	ND< 124
Dibromochloromethane	ND< 124	1,1,2-Trichloroethane	ND< 124
1,1-Dichloroethane	ND< 124	Trichloroethene	ND< 124
1,2-Dichloroethane	ND< 124	Trichlorofluoromethane	ND< 124
1,1-Dichloroethene	ND< 124	Vinyl chloride	ND< 124
Chlorobenzene	ND< 124	1,3-Dichlorobenzene	ND< 124
1,2-Dichlorobenzene	ND< 124	1,4-Dichlorobenzene	ND< 124

ELAP Number 10958 Method: EPA 8260B Data File: V35696.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental Inc.

Client Job Site:	5 Hunt Rd. Jamestown, NY	**Lab Project Number:**	06-1085
Client Job Number:	3563R-04	**Lab Sample Number:**	3860
Field Location:	TB-205 (8.0')	**Date Sampled:**	04/06/2006
Field ID Number:	N/A	**Date Received:**	04/07/2006
Sample Type:	Soil	**Date Analyzed:**	04/12/2006

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.68	trans-1,2-Dichloroethene	ND< 7.68
Bromomethane	ND< 7.68	1,2-Dichloropropane	ND< 7.68
Bromoform	ND< 7.68	cis-1,3-Dichloropropene	ND< 7.68
Carbon Tetrachloride	ND< 7.68	trans-1,3-Dichloropropene	ND< 7.68
Chloroethane	ND< 7.68	Methylene chloride	ND< 19.2
Chloromethane	ND< 7.68	1,1,2,2-Tetrachloroethane	ND< 7.68
2-Chloroethyl vinyl Ether	ND< 7.68	Tetrachloroethene	ND< 7.68
Chloroform	ND< 7.68	1,1,1-Trichloroethane	ND< 7.68
Dibromochloromethane	ND< 7.68	1,1,2-Trichloroethane	ND< 7.68
1,1-Dichloroethane	ND< 7.68	Trichloroethene	ND< 7.68
1,2-Dichloroethane	ND< 7.68	Trichlorofluoromethane	ND< 7.68
1,1-Dichloroethene	ND< 7.68	Vinyl chloride	ND< 7.68
Chlorobenzene	ND< 7.68	1,3-Dichlorobenzene	ND< 7.68
1,2-Dichlorobenzene	ND< 7.68	1,4-Dichlorobenzene	ND< 7.68

ELAP Number 10958 Method: EPA 8260B Data File: V35671.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO

COMPANY: Day Environmental Inc.
ADDRESS: 40 Commercial St
CITY: Rochester STATE: NY ZIP:
PHONE: 454-0210 FAX: 454-0825
ATTN: Ray Kamp
COMMENTS:

INVOICE TO

COMPANY: Anderson Cleaners
ADDRESS: 5 Hunt Rd
CITY: Jamestown STATE: NY ZIP: 14701
PHONE: (716) 664 5610 FAX:
ATTN: Mike Lyons

PROJECT NAME/SITE NAME: 5 Hunt Rd, Jamestown, NY

LAB PROJECT #: 06-1085
CLIENT PROJECT #: 3563R04

TURNAROUND TIME: (WORKING DAYS)
STD 1 2 3 5 OTHER

QUOTE #:

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Halogens 8260	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 4-6-06	1132		X	TB-202 (10.0')	Soil	1	X		3859
2 4-6-06	1335		X	TB-205 (8.0')	Soil	1	X		3860
3									
4									
5									
6									
7									
8									
9									
10									

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type: Comments: glass	Y [X]	N [ ]
Preservation: Comments:	Y [X]	N [ ]
Holding Time: Comments:	Y [X]	N [ ]
Temperature: Comments: 5°C iced	Y [X]	N [ ]

Sampled By: [signature] Date/Time: 4/6/06 17:00

Relinquished By: [signature] Date/Time: 4/7/06 1105

Received By: [signature] Date/Time: 4/7/06 11:05 am

Received @ Lab By: Elizabeth A. Honch Date/Time: 4/7/06 1120

Total Cost:

P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site:	5 Hunt Road Jamestown, NY	**Lab Project Number:**	06-1260
Client Job Number:	3563-04	**Lab Sample Number:**	4488
Field Location:	MW-200		
Field ID Number:	N/A	**Date Sampled:**	04/20/2006
Sample Type:	Water	**Date Received:**	04/24/2006
		Date Analyzed:	04/25/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00	trans-1,2-Dichloroethene	ND< 2.00
Bromomethane	ND< 2.00	1,2-Dichloropropane	ND< 2.00
Bromoform	ND< 2.00	cis-1,3-Dichloropropene	ND< 2.00
Carbon Tetrachloride	ND< 2.00	trans-1,3-Dichloropropene	ND< 2.00
Chloroethane	ND< 2.00	Methylene chloride	ND< 5.00
Chloromethane	ND< 2.00	1,1,2,2-Tetrachloroethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00	Tetrachloroethene	ND< 2.00
Chloroform	ND< 2.00	1,1,1-Trichloroethane	ND< 2.00
Dibromochloromethane	ND< 2.00	1,1,2-Trichloroethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00	Trichloroethene	ND< 2.00
1,2-Dichloroethane	ND< 2.00	Trichlorofluoromethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00	Vinyl chloride	ND< 2.00
Chlorobenzene	ND< 2.00	1,3-Dichlorobenzene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00	1,4-Dichlorobenzene	ND< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V38005.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site:	5 Hunt Road Jamestown, NY	**Lab Project Number:**	06-1260
Client Job Number:	3563-04	**Lab Sample Number:**	4489
Field Location:	MW-201		
Field ID Number:	N/A	**Date Sampled:**	04/20/2006
Sample Type:	Water	**Date Received:**	04/24/2006
		Date Analyzed:	04/26/2006

4-21-2006 Sample Evap

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 200	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 200	Tetrachloroethene	10,500
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	970
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	ND< 200
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200

ELAP Number 10958 Method: EPA 8260B Data File: V36043.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site: 5 Hunt Road, Jamestown, NY
Client Job Number: 3563-04
Field Location: MW-202
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 06-1260
Lab Sample Number: 4490

Date Sampled: 04/20/2006
Date Received: 04/24/2006
Date Analyzed: 04/26/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00	trans-1,2-Dichloroethene	ND< 2.00
Bromomethane	ND< 2.00	1,2-Dichloropropane	ND< 2.00
Bromoform	ND< 2.00	cis-1,3-Dichloropropene	ND< 2.00
Carbon Tetrachloride	ND< 2.00	trans-1,3-Dichloropropene	ND< 2.00
Chloroethane	ND< 2.00	Methylene chloride	ND< 5.00
Chloromethane	ND< 2.00	1,1,2,2-Tetrachloroethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00	Tetrachloroethene	ND< 2.00
Chloroform	ND< 2.00	1,1,1-Trichloroethane	ND< 2.00
Dibromochloromethane	ND< 2.00	1,1,2-Trichloroethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00	Trichloroethene	ND< 2.00
1,2-Dichloroethane	ND< 2.00	Trichlorofluoromethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00	Vinyl chloride	ND< 2.00
Chlorobenzene	ND< 2.00	1,3-Dichlorobenzene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00	1,4-Dichlorobenzene	ND< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V36044.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:
COMPANY: Day Environmental, Inc
ADDRESS: 40 Commercial St.
CITY: Rochester STATE: NY ZIP: 14614
PHONE: 454-0210 FAX: 454-0825
ATTN: Roy Kampff
COMMENTS:

INVOICE TO:
COMPANY: Anderson Cleaners
ADDRESS: 5 Hunt Road
CITY: Jamestown STATE: NY ZIP: 1470
PHONE: 716/ 664-5610 FAX:
ATTN:

LAB PROJECT #: 06-1060
CLIENT PROJECT #: 3563-04

TURNAROUND TIME: (WORKING DAYS)
STD [X] 5 OTHER [ ]
1 [ ] 2 [ ] 3 [ ]

QUOTE #:

PROJECT NAME/SITE NAME: 5 Hunt Road Jamestown NY

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Halogens 8260	REMARKS	PARADIGM LAB SAMPLE NUMBER
4-20-06									
1	1225		X	MW-200	GW	2	X		44887
2	4-20-06 1251		X	MW-201	GW	2	X		44889
3	4-20-06 13 11		X	MW-202	GW	2	X		44900
4									
5									
6									
7									
8									
9									
10									

*** LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type: Comments: Vocvial	Y [X]	N [ ]
Preservation: Comments:	Y [X]	N [ ]
Holding Time: Comments:	Y [X]	N [ ]
Temperature: Comments: 15°C iced	Y [ ]	N [X]

R Kampff — Sampled By — 4/20/2006 1330 — Date/Time
R Kampff — Relinquished By — 4/21/2006 1100 — Date/Time — Total Cost:
John Hoff — Received By — 4/21/06 11:00 — Date/Time
Received @ Lab By — 4/24/06 1055 — Date/Time — P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

For Lab Project # 06-2003

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

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

All soil or solid samples have been reported on a dry weight basis, unless qualified "reported as received".

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

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

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

This report contains a total of 3 pages.

179 Lake Avenue · Rochester, NY 14608 · (585) 647-2530 · Fax (585) 647-3311 ·
ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site:	5 Hunt Road Jamestown, NY	**Lab Project Number:**	06-2063
		Lab Sample Number:	6817
Client Job Number:	3563S-04		
Field Location:	MW-203	**Date Sampled:**	07/12/2006
Field ID Number:	N/A	**Date Received:**	07/13/2006
Sample Type:	Water	**Date Analyzed:**	07/19/2006
		Date Reissued:	07/28/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00	trans-1,2-Dichloroethene	ND< 2.00
Bromomethane	ND< 2.00	1,2-Dichloropropane	ND< 2.00
Bromoform	ND< 2.00	cis-1,3-Dichloropropene	ND< 2.00
Carbon Tetrachloride	ND< 2.00	trans-1,3-Dichloropropene	ND< 2.00
Chloroethane	ND< 2.00	Methylene chloride	ND< 5.00
Chloromethane	ND< 2.00	1,1,2,2-Tetrachloroethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00	Tetrachloroethene	ND< 2.00
Chloroform	ND< 2.00	1,1,1-Trichloroethane	ND< 2.00
Dibromochloromethane	ND< 2.00	1,1,2-Trichloroethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00	Trichloroethene	ND< 2.00
1,2-Dichloroethane	ND< 2.00	Trichlorofluoromethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00	Vinyl chloride	3.38
Chlorobenzene	ND< 2.00	1,3-Dichlorobenzene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00	1,4-Dichlorobenzene	ND< 2.00

ELAP Number 10958 Method: EPA 8260 (8010 list) Data File: V37698.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: (for)
Bruce Hoogesteger: Technical Director

-3-

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:
COMPANY: Day Environmental, Inc.
ADDRESS: 40 Commercial Street
CITY: Rochester STATE: N.Y. ZIP: 14614
PHONE: 454-0210 FAX: 454-0825
ATTN: Ray Kamft
COMMENTS:

INVOICE TO:
COMPANY: Anderson Cleaners
ADDRESS: 5 Hunt Road
CITY: Jamestown STATE: NY ZIP: 14701
PHONE: 716/664-5610 FAX:
ATTN: Mike Lyons

LAB PROJECT #: 06-2063
CLIENT PROJECT #: 3563 5-04
TURNAROUND TIME: (WORKING DAYS)
STD: [X] 5 OTHER: [ ] 1 [ ] 2 [ ] 3
QUOTE #:

PROJECT NAME/SITE NAME: 5 Hunt Road Jamestown, NY

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Halogens 8260	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	7-12-2006	1122		X	MW-2003 (7/28/06 per Nate)	GW	1	X		6817
2					should be 203					
3					Jessica 7/28/06 1235					
4										
5										
6										
7										
8										
9										
10										

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y [X]	N [ ]
Comments:		
Preservation:	Y [X]	N [ ]
Comments:		
Holding Time:	Y [X]	N [ ]
Comments:		
Temperature:	Y [X]	N [X] ccea
Comments: 23°C iced		

OP FDU 7/13

Sampled By: [signature] 7/12/2006 1122 Date/Time
Relinquished By: [signature] 7/13/2006 10:20 Date/Time
Received By: [signature] 7/13/06 10:20 Date/Time
Received @ Lab By: Elizabeth A. Honch 7/13/06 1135 Date/Time

Total Cost:
P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

For Lab Project # 04-2382

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

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

All soil or solid samples have been reported on a dry weight basis, unless qualified "reported as received".

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

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

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

This report contains a total of 4 pages.

179 Lake Avenue · Rochester, NY 14608 · (585) 647-2530 · Fax (585) 647-3311 · ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental Inc

Client Job Site:	5 Hunt Rd Jamestown, NY	**Lab Project Number:**	06-2382
		Lab Sample Number:	7867
Client Job Number:	3563S-04		
Field Location:	PW-2	**Date Sampled:**	08/08/2006
Field ID Number:	N/A	**Date Received:**	08/09/2006
Sample Type:	Water	**Date Analyzed:**	08/16/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 1,000	trans-1,2-Dichloroethene	ND< 1,000
Bromomethane	ND< 1,000	1,2-Dichloropropane	ND< 1,000
Bromoform	ND< 1,000	cis-1,3-Dichloropropene	ND< 1,000
Carbon Tetrachloride	ND< 1,000	trans-1,3-Dichloropropene	ND< 1,000
Chloroethane	ND< 1,000	Methylene chloride	ND< 2,500
Chloromethane	ND< 1,000	1,1,2,2-Tetrachloroethane	ND< 1,000
2-Chloroethyl vinyl Ether	ND< 1,000	Tetrachloroethene	50,400
Chloroform	ND< 1,000	1,1,1-Trichloroethane	ND< 1,000
Dibromochloromethane	ND< 1,000	1,1,2-Trichloroethane	ND< 1,000
1,1-Dichloroethane	ND< 1,000	Trichloroethene	ND< 1,000
1,2-Dichloroethane	ND< 1,000	Trichlorofluoromethane	ND< 1,000
1,1-Dichloroethene	ND< 1,000	Vinyl chloride	ND< 1,000
Chlorobenzene	ND< 1,000	1,3-Dichlorobenzene	ND< 1,000
1,2-Dichlorobenzene	ND< 1,000	1,4-Dichlorobenzene	ND< 1,000

ELAP Number 10958 Method: EPA 8260B (601 List) Data File: V38279.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: 

Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental Inc

Client Job Site:	5 Hunt Rd Jamestown, NY	**Lab Project Number:**	06-2382
		Lab Sample Number:	7868
Client Job Number:	3563S-04		
Field Location:	PW-3	**Date Sampled:**	08/08/2006
Field ID Number:	N/A	**Date Received:**	08/09/2006
Sample Type:	Water	**Date Analyzed:**	08/16/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 1,000	trans-1,2-Dichloroethene	ND< 1,000
Bromomethane	ND< 1,000	1,2-Dichloropropane	ND< 1,000
Bromoform	ND< 1,000	cis-1,3-Dichloropropene	ND< 1,000
Carbon Tetrachloride	ND< 1,000	trans-1,3-Dichloropropene	ND< 1,000
Chloroethane	ND< 1,000	Methylene chloride	ND< 2,500
Chloromethane	ND< 1,000	1,1,2,2-Tetrachloroethane	ND< 1,000
2-Chloroethyl vinyl Ether	ND< 1,000	Tetrachloroethene	34,100
Chloroform	ND< 1,000	1,1,1-Trichloroethane	ND< 1,000
Dibromochloromethane	ND< 1,000	1,1,2-Trichloroethane	ND< 1,000
1,1-Dichloroethane	ND< 1,000	Trichloroethene	8,150
1,2-Dichloroethane	ND< 1,000	Trichlorofluoromethane	ND< 1,000
1,1-Dichloroethene	ND< 1,000	Vinyl chloride	20,400
Chlorobenzene	ND< 1,000	1,3-Dichlorobenzene	ND< 1,000
1,2-Dichlorobenzene	ND< 1,000	1,4-Dichlorobenzene	ND< 1,000

ELAP Number 10958 Method: EPA 8260B (601 List) Data File: V38280.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		LAB PROJECT #:	CLIENT PROJECT #:
COMPANY:	Day Environmental Inc	COMPANY:	Anderson Cleaners	06-2382	3563S-04
ADDRESS:	40 Commercial Street	ADDRESS:	5 Hunt Road		
CITY:	Rochester NY STATE: NY ZIP: 14614	CITY:	Jamestown STATE: NY ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE:	585-454-0210 FAX: 585-454-0825	PHONE:	716-664-5610 FAX:	STD	OTHER
ATTN:	Ray Kampff	ATTN:	Mike Lyons	1 2 3 X 5	
COMMENTS:	Please fax results			Quotation #	

PROJECT NAME/SITE NAME: 5 Hunt Rd. Jamestown, NY

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Halogens 8260	REMARKS	LAB SAMPLE NUMBER
1	8-8-06	13:40		X	PW-2	Water	2	X		7867
2	8-8-06	15:10		X	PW-3	Water	2	X		7868
3										
4										
5										
6										
7										
8										
9										
10										

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments		
Preservation:	Y ☒	N ☐
Comments		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature:	Y ☒	N ☐
Comments	6°C iced	

Sampled By	8-8-06 16:00 Date/Time	Total Cost:
Relinquished By	8-9-06 14:50 Date/Time	
Received By	8/9/06 14:50 Date/Time	P.I.F.
Received @ Lab By	Elizabeth A. Honch 8/9/06 1510 Date/Time	

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

For Lab Project # AW-2392

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

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

All soil or solid samples have been reported on a dry weight basis, unless qualified "reported as received".

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"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

This report contains a total of 3 pages.

179 Lake Avenue · Rochester, NY 14608 · (585) 647-2530 · Fax (585) 647-3311 · ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc

Client Job Site:	5 Hunt Rd Jamestown, NY	**Lab Project Number:**	06-2392
		Lab Sample Number:	7917
Client Job Number:	3563S-04		
Field Location:	MW-7.1	**Date Sampled:**	08/09/2006
Field ID Number:	N/A	**Date Received:**	08/10/2006
Sample Type:	Water	**Date Analyzed:**	08/17/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 1,000	trans-1,2-Dichloroethene	ND< 1,000
Bromomethane	ND< 1,000	1,2-Dichloropropane	ND< 1,000
Bromoform	ND< 1,000	cis-1,3-Dichloropropene	ND< 1,000
Carbon Tetrachloride	ND< 1,000	trans-1,3-Dichloropropene	ND< 1,000
Chloroethane	ND< 1,000	Methylene chloride	ND< 2,500
Chloromethane	ND< 1,000	1,1,2,2-Tetrachloroethane	ND< 1,000
2-Chloroethyl vinyl Ether	ND< 1,000	Tetrachloroethene	113,000
Chloroform	ND< 1,000	1,1,1-Trichloroethane	ND< 1,000
Dibromochloromethane	ND< 1,000	1,1,2-Trichloroethane	ND< 1,000
1,1-Dichloroethane	ND< 1,000	Trichloroethene	ND< 1,000
1,2-Dichloroethane	ND< 1,000	Trichlorofluoromethane	ND< 1,000
1,1-Dichloroethene	ND< 1,000	Vinyl chloride	ND< 1,000
Chlorobenzene	ND< 1,000	1,3-Dichlorobenzene	ND< 1,000
1,2-Dichlorobenzene	ND< 1,000	1,4-Dichlorobenzene	ND< 1,000

ELAP Number 10958 Method: EPA 8260B (601 List) Data File: V38317.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: 

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:	
COMPANY:	Day Environmental Inc	COMPANY:	Anderson Cleaners
ADDRESS:	40 Commercial Street	ADDRESS:	5 Hunt Road
CITY:	Rochester	STATE: NY	ZIP: 14614
CITY:	Jamestown	STATE: NY	ZIP: 14701
PHONE:	454-0210	FAX: 454-0825	
PHONE:	716/664-5610	FAX:	
ATTN:	Ray Kempf	ATTN:	mike Lyons
COMMENTS:	Please Fax Results		

LAB PROJECT #: 06-2392
CLIENT PROJECT #: 35635-04
TURNAROUND TIME: (WORKING DAYS) STD ☒ 5 OTHER ☐ 1 ☐ 2 ☐ 3
QUOTE #:

PROJECT NAME/SITE NAME: 5 Hunt Rd Jamestown, NY 35635-04

REQUESTED ANALYSIS: Halogens 8260

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Halogens	8260	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	8/9/2006	1530		X	MW-7A	GW	2	X			7917
2											
3											
4											
5											
6											
7											
8											
9											
10											

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☒	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature:	Y ☐	N ☒
Comments: 16°C iced		

Sampled By: [signature] 8/9/2006 1530 Date/Time
Relinquished By: [signature] 8-10-06 / 09:40 Date/Time
Received By: [signature] 8/10/06 9:40AM Date/Time
Received @ Lab By: Elizabeth A. Honch 8/10/06 1010 Date/Time

Total Cost:

P.I.F. ☐

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

For Lab Project # 0607751

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

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

All soil or solid samples have been reported on a dry weight basis, unless qualified "reported as received".

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

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

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

This report contains a total of 10 pages.

179 Lake Avenue · Rochester, NY 14608 · (585) 647-2530 · Fax (585) 647-3311 · ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	5 Hunt Rd Jamestown, NY	**Lab Project Number:**	06-2751
		Lab Sample Number:	9177
Client Job Number:	3563S-04		
Field Location:	MW-07	**Date Sampled:**	09/12/2006
Field ID Number:	N/A	**Date Received:**	09/13/2006
Sample Type:	Water	**Date Analyzed:**	09/20/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 200	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 200	Tetrachloroethene	9,170
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	ND< 200
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	ND< 200
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200

ELAP Number 10958 Method: EPA 8260B Data File: V39391.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	5 Hunt Rd Jamestown, NY	**Lab Project Number:**	06-2751
		Lab Sample Number:	9178
Client Job Number:	3563S-04		
Field Location:	MW-03	**Date Sampled:**	09/12/2006
Field ID Number:	N/A	**Date Received:**	09/13/2006
Sample Type:	Water	**Date Analyzed:**	09/19/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 20.0	trans-1,2-Dichloroethene	ND< 20.0
Bromomethane	ND< 20.0	1,2-Dichloropropane	ND< 20.0
Bromoform	ND< 20.0	cis-1,3-Dichloropropene	ND< 20.0
Carbon Tetrachloride	ND< 20.0	trans-1,3-Dichloropropene	ND< 20.0
Chloroethane	ND< 20.0	Methylene chloride	ND< 50.0
Chloromethane	ND< 20.0	1,1,2,2-Tetrachloroethane	ND< 20.0
2-Chloroethyl vinyl Ether	ND< 20.0	Tetrachloroethene	1,560
Chloroform	ND< 20.0	1,1,1-Trichloroethane	ND< 20.0
Dibromochloromethane	ND< 20.0	1,1,2-Trichloroethane	ND< 20.0
1,1-Dichloroethane	ND< 20.0	Trichloroethene	ND< 20.0
1,2-Dichloroethane	ND< 20.0	Trichlorofluoromethane	ND< 20.0
1,1-Dichloroethene	ND< 20.0	Vinyl chloride	ND< 20.0
Chlorobenzene	ND< 20.0	1,3-Dichlorobenzene	ND< 20.0
1,2-Dichlorobenzene	ND< 20.0	1,4-Dichlorobenzene	ND< 20.0

ELAP Number 10958 Method: EPA 8260B Data File: V39363.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	5 Hunt Rd Jamestown, NY	**Lab Project Number:**	06-2751
		Lab Sample Number:	9179
Client Job Number:	3563S-04		
Field Location:	PW-3	**Date Sampled:**	09/12/2006
Field ID Number:	N/A	**Date Received:**	09/13/2006
Sample Type:	Water	**Date Analyzed:**	09/20/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 400	trans-1,2-Dichloroethene	ND< 400
Bromomethane	ND< 400	1,2-Dichloropropane	ND< 400
Bromoform	ND< 400	cis-1,3-Dichloropropene	ND< 400
Carbon Tetrachloride	ND< 400	trans-1,3-Dichloropropene	ND< 400
Chloroethane	ND< 400	Methylene chloride	ND< 1,000
Chloromethane	ND< 400	1,1,2,2-Tetrachloroethane	ND< 400
2-Chloroethyl vinyl Ether	ND< 400	Tetrachloroethene	23,100
Chloroform	ND< 400	1,1,1-Trichloroethane	ND< 400
Dibromochloromethane	ND< 400	1,1,2-Trichloroethane	ND< 400
1,1-Dichloroethane	ND< 400	Trichloroethene	9,040
1,2-Dichloroethane	ND< 400	Trichlorofluoromethane	ND< 400
1,1-Dichloroethene	ND< 400	Vinyl chloride	5,490
Chlorobenzene	ND< 400	1,3-Dichlorobenzene	ND< 400
1,2-Dichlorobenzene	ND< 400	1,4-Dichlorobenzene	ND< 400

ELAP Number 10958 Method: EPA 8260B Data File: V39392.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	5 Hunt Rd Jamestown, NY	**Lab Project Number:**	06-2751
		Lab Sample Number:	9180
Client Job Number:	3563S-04		
Field Location:	MW-7.1	**Date Sampled:**	09/12/2006
Field ID Number:	N/A	**Date Received:**	09/13/2006
Sample Type:	Water	**Date Analyzed:**	09/20/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 1,000	trans-1,2-Dichloroethene	ND< 1,000
Bromomethane	ND< 1,000	1,2-Dichloropropane	ND< 1,000
Bromoform	ND< 1,000	cis-1,3-Dichloropropene	ND< 1,000
Carbon Tetrachloride	ND< 1,000	trans-1,3-Dichloropropene	ND< 1,000
Chloroethane	ND< 1,000	Methylene chloride	ND< 2,500
Chloromethane	ND< 1,000	1,1,2,2-Tetrachloroethane	ND< 1,000
2-Chloroethyl vinyl Ether	ND< 1,000	Tetrachloroethene	120,000
Chloroform	ND< 1,000	1,1,1-Trichloroethane	ND< 1,000
Dibromochloromethane	ND< 1,000	1,1,2-Trichloroethane	ND< 1,000
1,1-Dichloroethane	ND< 1,000	Trichloroethene	ND< 1,000
1,2-Dichloroethane	ND< 1,000	Trichlorofluoromethane	ND< 1,000
1,1-Dichloroethene	ND< 1,000	Vinyl chloride	ND< 1,000
Chlorobenzene	ND< 1,000	1,3-Dichlorobenzene	ND< 1,000
1,2-Dichlorobenzene	ND< 1,000	1,4-Dichlorobenzene	ND< 1,000

ELAP Number 10958 Method: EPA 8260B Data File: V39393.D

Comments: ND denotes Non Detect
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Signature: 

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:
COMPANY: DAY Environmental	COMPANY: Anderson Cleaners
ADDRESS: 40 Commercial St.	ADDRESS: 5 Hunt Rd.
CITY: Rochester STATE: NY ZIP: 14614	CITY: Jamestown STATE: NY ZIP: 14701
PHONE: ~~585~~-454-0210 FAX: 585-454-0825	PHONE: 716-664-5610 FAX:
ATTN: Ray Kampff	ATTN: Mike Cyons
COMMENTS: Fax Copy please to Ray	

LAB PROJECT #: 06-2751
CLIENT PROJECT #: 35635-04
TURNAROUND TIME: (WORKING DAYS) STD OTHER
1 2 3 4 5
QUOTE #:

PROJECT NAME/SITE NAME: 5 Hunt Rd. Jamestown, NY

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	8260 Halogens									REMARKS	PARADIGM LAB SAMPLE NUMBER
1 9-12-06	17:48		X	MW-07	Aq	2	X										9171
2 9-12-06	17:20		X	MW-03	Aq	2	X										9178
3 9-12-06	16:40		X	PW-3	Aq	2	X										9179
4 9-12-06	16:05		X	MW-7.1	Aq	2	X										9180
5																	
6																	
7																	
8																	
9																	
10																	

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type: Comments:	Y [X]	N [ ]
Preservation: Comments:	Y [X]	N [ ]
Holding Time: Comments:	Y [X]	N [ ]
Temperature: Comments: 5°C iced	Y [X]	N [ ]

Sampled By	9-12-06/17:48 Date/Time
Relinquished By	9-13-06/14:07 Date/Time
Received By	9-13-06 1407 Date/Time
Received @ Lab By	Elizabeth A. Honch 9/13/06 1505 Date/Time

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

SEP 2 9 2006

Analytical Report Cover Page

For Lab Project # 06-2827

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

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This report contains a total of 8 pages.

179 Lake Avenue · Rochester, NY 14608 · (585) 647-2530 · Fax (585) 647-3311 · ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners Jamestown, NY	**Lab Project Number:**	06-2827
		Lab Sample Number:	9355
Client Job Number:	3563S-04		
Field Location:	BR-01-1 (31.1'-32.6')	**Date Sampled:**	09/15/2006
Field ID Number:	N/A	**Date Received:**	09/18/2006
Sample Type:	Water	**Date Analyzed:**	09/22/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 200	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 200	Tetrachloroethene	7,030
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	ND< 200
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	ND< 200
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	ND< 200		

ELAP Number 10958 Method: EPA 8260B (8010 List) Data File: V39449.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners Jamestown, NY	**Lab Project Number:**	06-2827
		Lab Sample Number:	9356
Client Job Number:	3563S-04		
Field Location:	BR-01-2 (41.7'-43.2')	**Date Sampled:**	09/15/2006
Field ID Number:	N/A	**Date Received:**	09/18/2006
Sample Type:	Water	**Date Analyzed:**	09/22/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 200	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 200	Tetrachloroethene	8,440
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	931
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	ND< 200
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	ND< 200		

ELAP Number 10958 Method: EPA 8260B (8010 List) Data File: V39450.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners Jamestown, NY	**Lab Project Number:**	06-2827
		Lab Sample Number:	9357
Client Job Number:	3563S-04		
Field Location:	BR-01-3 (54.7'-56.2')	**Date Sampled:**	09/15/2006
Field ID Number:	N/A	**Date Received:**	09/18/2006
Sample Type:	Water	**Date Analyzed:**	09/25/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00	trans-1,2-Dichloroethene	ND< 2.00
Bromomethane	ND< 2.00	1,2-Dichloropropane	ND< 2.00
Bromoform	ND< 2.00	cis-1,3-Dichloropropene	ND< 2.00
Carbon Tetrachloride	ND< 2.00	trans-1,3-Dichloropropene	ND< 2.00
Chloroethane	ND< 2.00	Methylene chloride	ND< 5.00
Chloromethane	ND< 2.00	1,1,2,2-Tetrachloroethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00	Tetrachloroethene	150
Chloroform	ND< 2.00	1,1,1-Trichloroethane	ND< 2.00
Dibromochloromethane	ND< 2.00	1,1,2-Trichloroethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00	Trichloroethene	95.1
1,2-Dichloroethane	ND< 2.00	Trichlorofluoromethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00	Vinyl chloride	14.1
Chlorobenzene	ND< 2.00	1,3-Dichlorobenzene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00	1,4-Dichlorobenzene	ND< 2.00
cis-1,2-Dichloroethene	69.8		

ELAP Number 10958 Method: EPA 8260B (8010 List) Data File: V39466.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners Jamestown, NY	**Lab Project Number:**	06-2827
		Lab Sample Number:	9358
Client Job Number:	3563S-04		
Field Location:	BR-01-4 (67.7'-69.2')	**Date Sampled:**	09/15/2006
Field ID Number:	N/A	**Date Received:**	09/18/2006
Sample Type:	Water	**Date Analyzed:**	09/25/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00	trans-1,2-Dichloroethene	ND< 2.00
Bromomethane	ND< 2.00	1,2-Dichloropropane	ND< 2.00
Bromoform	ND< 2.00	cis-1,3-Dichloropropene	ND< 2.00
Carbon Tetrachloride	ND< 2.00	trans-1,3-Dichloropropene	ND< 2.00
Chloroethane	ND< 2.00	Methylene chloride	ND< 5.00
Chloromethane	ND< 2.00	1,1,2,2-Tetrachloroethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00	Tetrachloroethene	154
Chloroform	ND< 2.00	1,1,1-Trichloroethane	ND< 2.00
Dibromochloromethane	ND< 2.00	1,1,2-Trichloroethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00	Trichloroethene	47.8
1,2-Dichloroethane	ND< 2.00	Trichlorofluoromethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00	Vinyl chloride	5.23
Chlorobenzene	ND< 2.00	1,3-Dichlorobenzene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00	1,4-Dichlorobenzene	ND< 2.00
cis-1,2-Dichloroethene	137		

ELAP Number 10958 Method: EPA 8260B (8010 List) Data File: V39467.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners Jamestown, NY	**Lab Project Number:**	06-2827
		Lab Sample Number:	9359
Client Job Number:	3563S-04		
Field Location:	BR-01-5 (80.7'-82.2')	**Date Sampled:**	09/15/2006
Field ID Number:	N/A	**Date Received:**	09/18/2006
Sample Type:	Water	**Date Analyzed:**	09/22&25/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00	trans-1,2-Dichloroethene	ND< 2.00
Bromomethane	ND< 2.00	1,2-Dichloropropane	ND< 2.00
Bromoform	ND< 2.00	cis-1,3-Dichloropropene	ND< 2.00
Carbon Tetrachloride	ND< 2.00	trans-1,3-Dichloropropene	ND< 2.00
Chloroethane	3.58	Methylene chloride	ND< 5.00
Chloromethane	ND< 2.00	1,1,2,2-Tetrachloroethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00	Tetrachloroethene	165
Chloroform	ND< 2.00	1,1,1-Trichloroethane	ND< 2.00
Dibromochloromethane	ND< 2.00	1,1,2-Trichloroethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00	Trichloroethene	113
1,2-Dichloroethane	ND< 2.00	Trichlorofluoromethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00	Vinyl chloride	13.6
Chlorobenzene	ND< 2.00	1,3-Dichlorobenzene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00	1,4-Dichlorobenzene	ND< 2.00
cis-1,2-Dichloroethene	242		

ELAP Number 10958 Method: EPA 8260B (8010 List) Data File: V39468.D & V39453.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners Jamestown, NY	**Lab Project Number:**	06-2827
		Lab Sample Number:	9360
Client Job Number:	3563S-04		
Field Location:	BR-01-6 (93.7'-95.2')	**Date Sampled:**	09/15/2006
Field ID Number:	N/A	**Date Received:**	09/18/2006
Sample Type:	Water	**Date Analyzed:**	09/22/2006

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 200	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 200	Tetrachloroethene	4,500
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	2,800
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	ND< 200
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	1,850		

ELAP Number 10958 Method: EPA 8260B (8010 List) Data File: V39454.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:
COMPANY: DAY Environmental
ADDRESS: 40 Commercial St.
CITY: Rochester, STATE: NY ZIP: 14614
PHONE: 585-454-0210 FAX: 585-454-0825
ATTN: Ray Rampff

INVOICE TO:
COMPANY: Anderson Cleaners
ADDRESS: 5 Hunt Rd.
CITY: Jamestown STATE: NY ZIP: 14701
PHONE: 716-664-5610
ATTN: Mike Lyons

LAB PROJECT #: 06-2827
CLIENT PROJECT #: 35635-0

TURNAROUND TIME: (WORKING DAYS)
1 2 3 STD 5 OTHER

QUOTE #:

PROJECT NAME/SITE NAME: Anderson Cleaners Jamestown, NY

COMMENTS: Please fax results to Ray at DAY

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Halogens 8260	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	9-15-2006	10^06		X	BR-01-1 (31.1'-32.6')	GW	2	X		9355
2		10^11		X	BR-01-2 (41.7'-43.2')		2	X		9356
3		10^15		X	BR-01-3 (54.7'-56.2')		2	X		9357
4		10^19		X	BR-01-4 (67.7'-69.2')		2	X		9358
5		10^22		X	BR-01-5 (80.7'-82.2')		2	X		9359
6		10^27		X	BR-01-6 (93.7'-95.2')		2	X		9360
7										
8										
9										
10										

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance *	
Container Type:	Y [X]	N [ ]
Comments:		
Preservation:	Y [X]	N [ ]
Comments:		
Holding Time:	Y [X]	N [ ]
Comments:		
Temperature:	Y [ ]	N [X]
Comments: 7°C iced		

Sampled By — 9/15/2006 11
Relinquished By — 9/18/2006 1035
Received By — 9/18/06 10:35am
Received @ Lab By — Elizabeth A. Honch 9/18/06 1055
Date/Time

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

JAN 1 0 2007

For Lab Project # 06-3925

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

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

All soil or solid samples have been reported on a dry weight basis, unless qualified "reported as received".

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

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

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

This report contains a total of 4 pages.

179 Lake Avenue · Rochester, NY 14608 · (585) 647-2530 · Fax (585) 647-3311 · ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	06-3925
		Lab Sample Number:	13002
Client Job Number:	3563S-04		
Field Location:	TB209 - 14.0'	**Date Sampled:**	12/28/2006
Field ID Number:	N/A	**Date Received:**	12/29/2006
Sample Type:	Soil	**Date Analyzed:**	01/05/2007

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 102,000	trans-1,2-Dichloroethene	ND< 102,000
Bromomethane	ND< 102,000	1,2-Dichloropropane	ND< 102,000
Bromoform	ND< 102,000	cis-1,3-Dichloropropene	ND< 102,000
Carbon Tetrachloride	ND< 102,000	trans-1,3-Dichloropropene	ND< 102,000
Chloroethane	ND< 102,000	Methylene chloride	ND< 254,000
Chloromethane	ND< 102,000	1,1,2,2-Tetrachloroethane	ND< 102,000
2-Chloroethyl vinyl Ether	ND< 102,000	Tetrachloroethene	9,680,000
Chloroform	ND< 102,000	1,1,1-Trichloroethane	ND< 102,000
Dibromochloromethane	ND< 102,000	1,1,2-Trichloroethane	ND< 102,000
1,1-Dichloroethane	ND< 102,000	Trichloroethene	ND< 102,000
1,2-Dichloroethane	ND< 102,000	Trichlorofluoromethane	ND< 102,000
1,1-Dichloroethene	ND< 102,000	Vinyl chloride	ND< 102,000
Chlorobenzene	ND< 102,000	1,3-Dichlorobenzene	ND< 102,000
1,2-Dichlorobenzene	ND< 102,000	1,4-Dichlorobenzene	ND< 102,000

ELAP Number 10958 Method: EPA 8260B Data File: V41819.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: Day Environmental

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	06-3925
		Lab Sample Number:	13003
Client Job Number:	3563S-04		
Field Location:	TB211 - 5'	**Date Sampled:**	12/28/2006
Field ID Number:	N/A	**Date Received:**	12/29/2006
Sample Type:	Soil	**Date Analyzed:**	01/04/2007

Halocarbons	Results in ug / Kg	Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 1,680	trans-1,2-Dichloroethene	ND< 1,680
Bromomethane	ND< 1,680	1,2-Dichloropropane	ND< 1,680
Bromoform	ND< 1,680	cis-1,3-Dichloropropene	ND< 1,680
Carbon Tetrachloride	ND< 1,680	trans-1,3-Dichloropropene	ND< 1,680
Chloroethane	ND< 1,680	Methylene chloride	ND< 4,190
Chloromethane	ND< 1,680	1,1,2,2-Tetrachloroethane	ND< 1,680
2-Chloroethyl vinyl Ether	ND< 1,680	Tetrachloroethene	10,500
Chloroform	ND< 1,680	1,1,1-Trichloroethane	ND< 1,680
Dibromochloromethane	ND< 1,680	1,1,2-Trichloroethane	ND< 1,680
1,1-Dichloroethane	ND< 1,680	Trichloroethene	ND< 1,680
1,2-Dichloroethane	ND< 1,680	Trichlorofluoromethane	ND< 1,680
1,1-Dichloroethene	ND< 1,680	Vinyl chloride	ND< 1,680
Chlorobenzene	ND< 1,680	1,3-Dichlorobenzene	ND< 1,680
1,2-Dichlorobenzene	ND< 1,680	1,4-Dichlorobenzene	ND< 1,680

ELAP Number 10958 Method: EPA 8260B Data File: V41813.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: DAY Environmental	COMPANY: ~~DAY~~ Anderson Cleaners	LAB PROJECT #: 06-3925 / CLIENT PROJECT #: 35635-04
ADDRESS: 40 Commercial St	ADDRESS: 5 Hunt Rd	
CITY: Rochester STATE: NY ZIP: 14614	CITY: Jamestown STATE: NY ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: 585-454-0210 FAX: 585-454-0825	PHONE: FAX:	STD ☒ 5 / OTHER ☐
PROJECT NAME/SITE NAME: Anderson Cleaners	ATTN: Ray Kampff	ATTN: Mike Lyons
COMMENTS: results to DAY; invoice to Anderson Cleaners		QUOTE #:

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Cl- VOCs by 8260	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	12/28/06			X	TB209-14.0'	soil	1	X		13002
2	↓			X	TB211-5'	↓	1	X		13003
3										
4										
5										
6										
7										
8										
9										
10										

LAB USE ONLY BELOW THIS LINE

Sample Condition: PeNELAC/ELAP 210/241/242/243/244

Receipt Prameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☒	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature:	Y ☐	N ☒
Comments: 14°C		

David Kampff	12/29/06	9:55
Sampled By	Date/Time	
David Kampff	12/29/06	9:55
Relinquished By	Date/Time	
	12/29/06	9:55
Received By	Date/Time	
Elizabeth A. Honch	12/29/06	1030
Received @ Lab By	Date/Time	

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

For Lab Project # 07-0163

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

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

All soil or solid samples have been reported on a dry weight basis, unless qualified "reported as received".

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

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

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

This report contains a total of 60 pages.

179 Lake Avenue · Rochester, NY 14608 · (585) 647-2530 · Fax (585) 647-3311 · ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners Jamestown, NY	**Lab Project Number:**	07-0163
		Lab Sample Number:	1170
Client Job Number:	3563S-04		
Field Location:	MW-04	**Date Sampled:**	01/04/07
Field ID Number:	N/A	**Date Received:**	01/05/07
Sample Type:	Water	**Date Analyzed:**	01/11/07

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 200	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 200	Tetrachloroethene	1,820
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	ND< 200
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	ND< 200
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	ND< 200		

ELAP Number 10958 Method: EPA 8260B (Halocarbons) Data File: V41933A.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners Jamestown, NY	**Lab Project Number:**	07-0163
		Lab Sample Number:	1171
Client Job Number:	3563S-04		
Field Location:	MW-06	**Date Sampled:**	01/04/07
Field ID Number:	N/A	**Date Received:**	01/05/07
Sample Type:	Water	**Date Analyzed:**	01/11/07

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 4.00	trans-1,2-Dichloroethene	ND< 4.00
Bromomethane	ND< 4.00	1,2-Dichloropropane	ND< 4.00
Bromoform	ND< 4.00	cis-1,3-Dichloropropene	ND< 4.00
Carbon Tetrachloride	ND< 4.00	trans-1,3-Dichloropropene	ND< 4.00
Chloroethane	ND< 4.00	Methylene chloride	ND< 10.0
Chloromethane	ND< 4.00	1,1,2,2-Tetrachloroethane	ND< 4.00
2-Chloroethyl vinyl Ether	ND< 4.00	Tetrachloroethene	369
Chloroform	ND< 4.00	1,1,1-Trichloroethane	ND< 4.00
Dibromochloromethane	ND< 4.00	1,1,2-Trichloroethane	ND< 4.00
1,1-Dichloroethane	ND< 4.00	Trichloroethene	ND< 4.00
1,2-Dichloroethane	ND< 4.00	Trichlorofluoromethane	ND< 4.00
1,1-Dichloroethene	ND< 4.00	Vinyl chloride	ND< 4.00
Chlorobenzene	ND< 4.00	1,3-Dichlorobenzene	ND< 4.00
1,2-Dichlorobenzene	ND< 4.00	1,4-Dichlorobenzene	ND< 4.00
cis-1,2-Dichloroethene	ND< 4.00		

ELAP Number 10958 Method: EPA 8260B (Halocarbons) Data File: V41934.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners Jamestown, NY	**Lab Project Number:**	07-0163
		Lab Sample Number:	1172
Client Job Number:	3563S-04		
Field Location:	MW-201	**Date Sampled:**	01/04/07
Field ID Number:	N/A	**Date Received:**	01/05/07
Sample Type:	Water	**Date Analyzed:**	01/11/07

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 200	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 200	Tetrachloroethene	14,200
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	ND< 200
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	ND< 200
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	ND< 200		

ELAP Number 10958 Method: EPA 8260B (Halocarbons) Data File: V41935.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners Jamestown, NY	**Lab Project Number:**	07-0163
		Lab Sample Number:	1173
Client Job Number:	3563S-04		
Field Location:	MW-07	**Date Sampled:**	01/04/07
Field ID Number:	N/A	**Date Received:**	01/05/07
Sample Type:	Water	**Date Analyzed:**	01/11/07

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 200	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 200	Tetrachloroethene	5,310
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	ND< 200
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	ND< 200
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	ND< 200		

ELAP Number 10958 Method: EPA 8260B (Halocarbons) Data File: V41936.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:
COMPANY: DAY Environmental
ADDRESS: 40 Commercial St.
CITY: Rochester STATE: NY ZIP: 14614
PHONE: 585-454-0210 FAX: 585-454-0825
ATTN: Ray Kamoff
COMMENTS: Please fax Results.

INVOICE TO:
COMPANY: Same Anderson Cleaners per Matt @ 1/25/07
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #: 07-0163
CLIENT PROJECT #: 35635-
TURNAROUND TIME: (WORKING DAYS)
1 2 3 STD 4 OTHER
QUOTE #:

PROJECT NAME/SITE NAME: Anderson Cleaners Jamestown, NY

REQUESTED ANALYSIS: Halogenated VOCs 8260

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Halogenated VOCs 8260	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 1-4-07	16:20		X	MW-04	Aq	2	X		1 1 7 0
2 1-4-07	12:45		X	MW-06	Aq	2	X		1 1 7 1
3 1-4-07	13:48		X	MW-201	Aq	2	X		1 1 7 2
4 1-4-07	13:48		X	MW-07	Aq	2	X		1 1 7 3
5									
6									
7									
8									
9									
10									

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y X	N
Comments:		
Preservation:	Y X	N
Comments:		
Holding Time:	Y X	N
Comments:		
Temperature: 2°C iced	Y X	N
Comments:		

Sampled By: [signature] 1-4-07/16:30 Date/Time
Relinquished By: [signature] 1-5-07/09:45 Date/Time
Received By: Elizabeth A. Honch 1/5/07 0945 Date/Time
Received @ Lab By: Elizabeth A. Honch 1/5/07 1200 Date/Time

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site: Anderson
Jamestown, NY
Client Job Number: 3563S-04
Field Location: MW-04
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 07-0563
Lab Sample Number: 2516

Date Sampled: 02/13/2007
Date Received: 02/15/2007
Date Analyzed: 02/19/2007

2-13-2007 Sample Event

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 200	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 200	Tetrachloroethene	1,120
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	ND< 200
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	ND< 200
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	ND< 200		

ELAP Number 10958 Method: EPA 8260B Data File: V42684.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Jamestown, NY	**Lab Project Number:**	07-0563
Client Job Number:	3563S-04	**Lab Sample Number:**	2514
Field Location:	MW-06	**Date Sampled:**	02/13/2007
Field ID Number:	N/A	**Date Received:**	02/15/2007
Sample Type:	Water	**Date Analyzed:**	02/20/2007

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 5.00	trans-1,2-Dichloroethene	ND< 5.00
Bromomethane	ND< 5.00	1,2-Dichloropropane	ND< 5.00
Bromoform	ND< 5.00	cis-1,3-Dichloropropene	ND< 5.00
Carbon Tetrachloride	ND< 5.00	trans-1,3-Dichloropropene	ND< 5.00
Chloroethane	ND< 5.00	Methylene chloride	ND< 12.5
Chloromethane	ND< 5.00	1,1,2,2-Tetrachloroethane	ND< 5.00
2-Chloroethyl vinyl Ether	ND< 5.00	Tetrachloroethene	256
Chloroform	ND< 5.00	1,1,1-Trichloroethane	ND< 5.00
Dibromochloromethane	ND< 5.00	1,1,2-Trichloroethane	ND< 5.00
1,1-Dichloroethane	ND< 5.00	Trichloroethene	ND< 5.00
1,2-Dichloroethane	ND< 5.00	Trichlorofluoromethane	ND< 5.00
1,1-Dichloroethene	ND< 5.00	Vinyl chloride	ND< 5.00
Chlorobenzene	ND< 5.00	1,3-Dichlorobenzene	ND< 5.00
1,2-Dichlorobenzene	ND< 5.00	1,4-Dichlorobenzene	ND< 5.00
cis-1,2-Dichloroethene	ND< 5.00		

ELAP Number 10958 Method: EPA 8260B Data File: V42709.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site: Anderson
Jamestown, NY
Client Job Number: 3563S-04
Field Location: MW-07
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 07-0563
Lab Sample Number: 2517

Date Sampled: 02/13/2007
Date Received: 02/15/2007
Date Analyzed: 02/19/2007

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 200	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 200	Tetrachloroethene	6,440
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	ND< 200
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	ND< 200
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	ND< 200		

ELAP Number 10958 Method: EPA 8260B Data File: V42685.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site: Anderson, Jamestown, NY
Client Job Number: 3563S-04
Field Location: MW-201
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 07-0563
Lab Sample Number: 2515

Date Sampled: 02/13/2007
Date Received: 02/15/2007
Date Analyzed: 02/19/2007

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	1,290
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 200	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 200	Tetrachloroethene	2,610
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	17,500
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	ND< 200
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	7,860		

ELAP Number 10958 Method: EPA 8260B Data File: V42683.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:
COMPANY: OAY Environmental
ADDRESS: 40 Commercial St.
CITY: Rochester STATE: NY ZIP: 14614
PHONE: 585-454-0210 FAX: 585-454-0825
ATTN: Ray Kampff
COMMENTS: Please fax Results

INVOICE TO:
COMPANY: Anderson Cleaners
ADDRESS: 5 Hunt Rd,
CITY: Jamestown, NY STATE: ZIP:
PHONE: FAX:
ATTN: Mike Lyons

LAB PROJECT #: 07-0563
CLIENT PROJECT #: 35635-04
TURNAROUND TIME: (WORKING DAYS)
STD (X) OTHER ( )
1 ( ) 2 ( ) 3 ( )
QUOTE #:

PROJECT NAME/SITE NAME: Anderson Jamestown, NY

REQUESTED ANALYSIS: VOCs

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Halogenated VOCs	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	2-13-07	11:15		X	MW-06	Aq	2	X		25114
2	2-13-07	12:55		X	MW-201	Aq	2	X		25115
3	2-13-07	14:10		X	MW-04	Aq	2	X		25116
4	2-13-07	15:40		X	MW-07	Aq	2	X		25117
5										
6										
7										
8										
9										
10										

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y (X)	N ( )
Comments:		
Preservation:	Y (X)	N ( )
Comments:		
Holding Time:	Y (X)	N ( )
Comments:		
Temperature: 8 °C	Y ( )	N (X)
Comments: CEEAH 2/15		

Sampled By: [signature] 2-13-07/16:00 Date/Time
Relinquished By: [signature] 2-15-07/08:13 Date/Time
Received By: [signature] 2/15/07 8:13AM Date/Time
Received @ Lab By: Elizabeth A. Honch 2/15/07 0935 Date/Time

Total Cost:
P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

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Analytical Report Cover Page

For Lab Project # 07-0890

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

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

All soil or solid samples have been reported on a dry weight basis, unless qualified "reported as received".

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

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

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

This report contains a total of 6 pages.

179 Lake Avenue · Rochester, NY 14608 · (585) 647-2530 · Fax (585) 647-3311 · ELAP ID# 10958

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners Jamestown, NY	**Lab Project Number:**	07-0890
		Lab Sample Number:	3571
Client Job Number:	3563S-04		
Field Location:	MW-06	**Date Sampled:**	03/15/2007
Field ID Number:	N/A	**Date Received:**	03/16/2007
Sample Type:	Water	**Date Analyzed:**	03/22/2007

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 5.00	trans-1,2-Dichloroethene	ND< 5.00
Bromomethane	ND< 5.00	1,2-Dichloropropane	ND< 5.00
Bromoform	ND< 5.00	cis-1,3-Dichloropropene	ND< 5.00
Carbon Tetrachloride	ND< 5.00	trans-1,3-Dichloropropene	ND< 5.00
Chloroethane	ND< 5.00	Methylene chloride	ND< 12.5
Chloromethane	ND< 5.00	1,1,2,2-Tetrachloroethane	ND< 5.00
2-Chloroethyl vinyl Ether	ND< 5.00	Tetrachloroethene	246
Chloroform	ND< 5.00	1,1,1-Trichloroethane	ND< 5.00
Dibromochloromethane	ND< 5.00	1,1,2-Trichloroethane	ND< 5.00
1,1-Dichloroethane	ND< 5.00	Trichloroethene	ND< 5.00
1,2-Dichloroethane	ND< 5.00	Trichlorofluoromethane	ND< 5.00
1,1-Dichloroethene	ND< 5.00	Vinyl chloride	ND< 5.00
Chlorobenzene	ND< 2.00	1,3-Dichlorobenzene	ND< 2.00
1,2-Dichlorobenzene	ND< 5.00	1,4-Dichlorobenzene	ND< 5.00
cis-1,2-Dichloroethene	ND< 5.00		

ELAP Number 10958 Method: EPA 8260B Data File: V43232.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners Jamestown, NY	**Lab Project Number:**	07-0890
		Lab Sample Number:	3572
Client Job Number:	3563S-04		
Field Location:	MW-07	**Date Sampled:**	03/15/2007
Field ID Number:	N/A	**Date Received:**	03/16/2007
Sample Type:	Water	**Date Analyzed:**	03/22/2007

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 200	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 200	Tetrachloroethene	4,240
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	ND< 200
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	ND< 200
Chlorobenzene	ND< 2.00	1,3-Dichlorobenzene	ND< 2.00
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	ND< 200		

ELAP Number 10958 Method: EPA 8260B Data File: V43233.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners Jamestown, NY	**Lab Project Number:**	07-0890
		Lab Sample Number:	3573
Client Job Number:	3563S-04		
Field Location:	MW-04	**Date Sampled:**	03/15/2007
Field ID Number:	N/A	**Date Received:**	03/16/2007
Sample Type:	Water	**Date Analyzed:**	03/22/2007

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 100	trans-1,2-Dichloroethene	ND< 100
Bromomethane	ND< 100	1,2-Dichloropropane	ND< 100
Bromoform	ND< 100	cis-1,3-Dichloropropene	ND< 100
Carbon Tetrachloride	ND< 100	trans-1,3-Dichloropropene	ND< 100
Chloroethane	ND< 100	Methylene chloride	ND< 250
Chloromethane	ND< 100	1,1,2,2-Tetrachloroethane	ND< 100
2-Chloroethyl vinyl Ether	ND< 100	Tetrachloroethene	904
Chloroform	ND< 100	1,1,1-Trichloroethane	ND< 100
Dibromochloromethane	ND< 100	1,1,2-Trichloroethane	ND< 100
1,1-Dichloroethane	ND< 100	Trichloroethene	ND< 100
1,2-Dichloroethane	ND< 100	Trichlorofluoromethane	ND< 100
1,1-Dichloroethene	ND< 100	Vinyl chloride	ND< 100
Chlorobenzene	ND< 2.00	1,3-Dichlorobenzene	ND< 2.00
1,2-Dichlorobenzene	ND< 100	1,4-Dichlorobenzene	ND< 100
cis-1,2-Dichloroethene	ND< 100		

ELAP Number 10958 Method: EPA 8260B Data File: V43234.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental

Client Job Site:	Anderson Cleaners Jamestown, NY	**Lab Project Number:**	07-0890
		Lab Sample Number:	3574
Client Job Number:	3563S-04		
Field Location:	MW-201	**Date Sampled:**	03/15/2007
Field ID Number:	N/A	**Date Received:**	03/16/2007
Sample Type:	Water	**Date Analyzed:**	03/21/2007

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 20.0	trans-1,2-Dichloroethene	94.4
Bromomethane	ND< 20.0	1,2-Dichloropropane	ND< 20.0
Bromoform	ND< 20.0	cis-1,3-Dichloropropene	ND< 20.0
Carbon Tetrachloride	ND< 20.0	trans-1,3-Dichloropropene	ND< 20.0
Chloroethane	ND< 20.0	Methylene chloride	ND< 50.0
Chloromethane	ND< 20.0	1,1,2,2-Tetrachloroethane	ND< 20.0
2-Chloroethyl vinyl Ether	ND< 20.0	Tetrachloroethene	423
Chloroform	ND< 20.0	1,1,1-Trichloroethane	ND< 20.0
Dibromochloromethane	ND< 20.0	1,1,2-Trichloroethane	ND< 20.0
1,1-Dichloroethane	ND< 20.0	Trichloroethene	937
1,2-Dichloroethane	ND< 20.0	Trichlorofluoromethane	ND< 20.0
1,1-Dichloroethene	ND< 20.0	Vinyl chloride	ND< 20.0
Chlorobenzene	ND< 2.00	1,3-Dichlorobenzene	ND< 2.00
1,2-Dichlorobenzene	ND< 20.0	1,4-Dichlorobenzene	ND< 20.0
cis-1,2-Dichloroethene	ND< 20.0		

ELAP Number 10958 Method: EPA 8260B Data File: V43206.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

-6-

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:

COMPANY: DAY Environmental
ADDRESS: 40 Commercial St.
CITY: Rochester STATE: NY ZIP: 14614
PHONE: 585-454-0210 FAX: 585-454-0825
ATTN: Ray Kamp ff
COMMENTS: Please fax / email results

INVOICE TO:

COMPANY: Anderson Cleaners
ADDRESS: 5 Hunt Rd.
CITY: Jamestown, NY STATE: ZIP:
PHONE: FAX:
ATTN: Mike Lyons

LAB PROJECT #: 07-0890
CLIENT PROJECT #: 35635-04

TURNAROUND TIME: (WORKING DAYS)
1 2 3 STD 5 OTHER

QUOTE #:

PROJECT NAME/SITE NAME: Anderson Cleaners Jamestown, NY

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Halogenated VOCs 8260	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 3-15-07	13:05		X	MW-06	Aq	2	X		35717
2 3-15-07	14:05		X	MW-07	Aq	2	X		35722
3 3-15-07	15:08		X	MW-04	Aq	2	X		35733
4 3-15-07	16:48		X	MW-201	Aq	2	X		35744
5									
6									
7									
8									
9									
10									

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y [X]	N [ ]
Comments:		
Preservation:	Y [X]	N [ ]
Comments:		
Holding Time:	Y [X]	N [ ]
Comments:		
Temperature: 3°C	Y [ ]	N [X]
Comments:		

Sampled By — 3-15-07 17:00 Date/Time

Relinquished By — 3/16/07 945 Date/Time

Received By — 3/16/07 945 Date/Time

Received @ Lab By — Elizabeth A Honch 3/16/07 1155 Date/Time

Total Cost:

P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC. 9 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental Inc

Client Job Site: Anderson
5 Hunt Rd Jamestown, NY
Client Job Number: 3563S-04
Field Location: MW-201
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 07-3104
Lab Sample Number: 10297

Date Sampled: 08/31/2007
Date Received: 09/04/2007
Date Analyzed: 09/10/2007

8-31-2007 Sample Event

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 1,000	trans-1,2-Dichloroethene	ND< 1,000
Bromomethane	ND< 1,000	1,2-Dichloropropane	ND< 1,000
Bromoform	ND< 2,500	cis-1,3-Dichloropropene	ND< 1,000
Carbon Tetrachloride	ND< 1,000	trans-1,3-Dichloropropene	ND< 1,000
Chloroethane	ND< 1,000	Methylene chloride	ND< 2,500
Chloromethane	ND< 1,000	1,1,2,2-Tetrachloroethane	ND< 1,000
2-Chloroethyl vinyl Ether	ND< 5,000	Tetrachloroethene	1,000
Chloroform	ND< 1,000	1,1,1-Trichloroethane	ND< 1,000
Dibromochloromethane	ND< 1,000	1,1,2-Trichloroethane	ND< 1,000
1,1-Dichloroethane	ND< 1,000	Trichloroethene	ND< 1,000
1,2-Dichloroethane	ND< 1,000	Trichlorofluoromethane	ND< 1,000
1,1-Dichloroethene	ND< 1,000	Vinyl chloride	ND< 1,000
Chlorobenzene	ND< 1,000	1,3-Dichlorobenzene	ND< 1,000
1,2-Dichlorobenzene	ND< 1,000	1,4-Dichlorobenzene	ND< 1,000
cis-1,2-Dichloroethene	16,000		

ELAP Number 10958 Method: EPA 8260B Data File: V50067.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:
COMPANY: DAY Environmental Inc.
ADDRESS: 40 Commercial St.
CITY: Rochester STATE: NY ZIP: 14614
PHONE: 585-454-0210 FAX: 585-454-0825
ATTN: Ray Kampff
COMMENTS: Please fax Results!

INVOICE TO: 9-7-07
COMPANY:
ADDRESS: Same per RK
CITY: STATE: ZIP:
PHONE: Bill Anderson FAX:
ATTN: Cleaners

LAB PROJECT #: 07-3104
CLIENT PROJECT #: Anderson 35633-04
TURNARDUND TIME: (WORKING DAYS) STD 5 OTHER
QUOTE #:

PROJECT NAME/SITE NAME: Anderson
5 Hunt Rd. Jamestown, NY

REQUESTED ANALYSIS: 8260 Halogenated VOCs

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS		REMARKS	PARADIGM LAB SAMPLE NUMBER
1	8-31-07	—		X	MW-201 (8-31-07)	Aq	2	X		10297
2	8-31-07	—		X	Carbon Dnum (8-31-07)	Aq	2	—	Place on Active Hold	10298
3										
4										
5										
6										
7										
8										
9										
10										

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance		
Container Type: Comments:	Y	X	N
Preservation: Comments:	Y	X	N
Holding Time: Comments:	Y	X	N
Temperature: Comments: 15°C iced	Y		N X

Sampled By: [signature] @ 9-4-07/09:45 Date/Time
Relinquished By: [signature] 9-4-07/09:57 Date/Time
Received By: [signature] 9/4/07 9:57 Date/Time
Received @ Lab By: Elizabeth A. Honch 9/4/07 1125 Date/Time

Total Cost:
P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC. 3 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Env

Client Job Site:	Anderson S Hunt Rd Jamestown, NY	**Lab Project Number:**	07-4166A
Client Job Number:	3563S-04	**Lab Sample Number:**	13641
Field Location:	MW-201	**Date Sampled:**	11/08/2007
Field ID Number:	N/A	**Date Received:**	11/12/2007
Sample Type:	Water	**Date Analyzed:**	11/16/2007

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 100	trans-1,2-Dichloroethene	141
Bromomethane	ND< 100	1,2-Dichloropropane	ND< 100
Bromoform	ND< 250	cis-1,3-Dichloropropene	ND< 100
Carbon Tetrachloride	ND< 100	trans-1,3-Dichloropropene	ND< 100
Chloroethane	ND< 100	Methylene chloride	ND< 250
Chloromethane	ND< 100	1,1,2,2-Tetrachloroethane	ND< 100
2-Chloroethyl vinyl Ether	ND< 500	Tetrachloroethene	402
Chloroform	ND< 100	1,1,1-Trichloroethane	ND< 100
Dibromochloromethane	ND< 100	1,1,2-Trichloroethane	ND< 100
1,1-Dichloroethane	ND< 100	Trichloroethene	232
1,2-Dichloroethane	ND< 100	Trichlorofluoromethane	ND< 100
1,1-Dichloroethene	ND< 100	Vinyl chloride	1,180
Chlorobenzene	ND< 100	1,3-Dichlorobenzene	ND< 100
1,2-Dichlorobenzene	ND< 100	1,4-Dichlorobenzene	ND< 100
cis-1,2-Dichloroethene	9,130		

ELAP Number 10958 Method: EPA 8260B Data File: V52009.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 3 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Env

Client Job Site:	Anderson S Hunt Rd Jamestown, NY	**Lab Project Number:**	07-4166A
Client Job Number:	3563S-04	**Lab Sample Number:**	13642
Field Location:	MW-04	**Date Sampled:**	11/08/2007
Field ID Number:	N/A	**Date Received:**	11/12/2007
Sample Type:	Water	**Date Analyzed:**	11/16/2007

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 100	trans-1,2-Dichloroethene	187
Bromomethane	ND< 100	1,2-Dichloropropane	ND< 100
Bromoform	ND< 250	cis-1,3-Dichloropropene	ND< 100
Carbon Tetrachloride	ND< 100	trans-1,3-Dichloropropene	ND< 100
Chloroethane	ND< 100	Methylene chloride	ND< 250
Chloromethane	ND< 100	1,1,2,2-Tetrachloroethane	ND< 100
2-Chloroethyl vinyl Ether	ND< 500	Tetrachloroethene	189
Chloroform	ND< 100	1,1,1-Trichloroethane	ND< 100
Dibromochloromethane	ND< 100	1,1,2-Trichloroethane	ND< 100
1,1-Dichloroethane	ND< 100	Trichloroethene	1,220
1,2-Dichloroethane	ND< 100	Trichlorofluoromethane	ND< 100
1,1-Dichloroethene	ND< 100	Vinyl chloride	ND< 100
Chlorobenzene	ND< 100	1,3-Dichlorobenzene	ND< 100
1,2-Dichlorobenzene	ND< 100	1,4-Dichlorobenzene	ND< 100
cis-1,2-Dichloroethene	3,830		

ELAP Number 10958 Method: EPA 8260B Data File: V52010.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:				INVOICE TO:			
COMPANY:	OAK Env.			COMPANY:	Anderson Cleaners		
ADDRESS:	40 Commercial St.			ADDRESS:	5 Hunt Rd.		
CITY:	Rochester	STATE: NY	ZIP: 14614	CITY:	Jamestown,	STATE: NY	ZIP:
PHONE:	585-454-0210	FAX: 585-454-0825		PHONE:		FAX:	
ATTN:	Ray Kampff			ATTN:	Mike Lyons		

LAB PROJECT #: 07-4166A
CLIENT PROJECT #: 35695-04
TURNAROUND TIME: (WORKING DAYS) STD (X) OTHER ( ) 1 ( ) 2 ( ) 3 (X) 5
QUOTE #:

PROJECT NAME/SITE NAME: Anderson
5 Hunt Rd. Jamestown NY

COMMENTS: Please email results to R. Kampff

REQUESTED ANALYSIS: 8260 Halogenated VOCs

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Halogenated VOCs	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	11-8-07	14:05		X	MW-201	Aq	2	X		13641
2	11-8-07	11:30		X	MW-04	Aq	2	X		13642
3										
4										
5										
6										
7										
8										
9										
10										

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y (X)	N ( )
Comments:		
Preservation:	Y (X)	N ( )
Comments:		
Holding Time:	Y (X)	N ( )
Comments:		
Temperature:	Y (X)	N ( )
Comments: 7°C iced		

Sampled By: 11-8-07 16:00 Date/Time
Relinquished By: 11-9-07 17:00 Date/Time
Received By: 11/9/07 1702 Date/Time
Received @ Lab By: Elizabeth A. Hanch 11/12/07 1045 Date/Time

Total Cost:
P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Anderson Cleaners

Client Job Site:	Anderson Cleaners Jamestown, NY	**Lab Project Number:**	08-1150
		Lab Sample Number:	4281
Client Job Number:	3563S-04		
Field Location:	MW-201	**Date Sampled:**	04/02/2008
Field ID Number:	N/A	**Date Received:**	04/03/2008
Sample Type:	Water	**Date Analyzed:**	04/09/2008

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 100	trans-1,2-Dichloroethene	ND< 100
Bromomethane	ND< 100	1,2-Dichloropropane	ND< 100
Bromoform	ND< 250	cis-1,3-Dichloropropene	ND< 100
Carbon Tetrachloride	ND< 100	trans-1,3-Dichloropropene	ND< 100
Chloroethane	ND< 100	Methylene chloride	ND< 250
Chloromethane	ND< 100	1,1,2,2-Tetrachloroethane	ND< 100
2-Chloroethyl vinyl Ether	ND< 500	Tetrachloroethene	ND< 100
Chloroform	ND< 100	1,1,1-Trichloroethane	ND< 100
Dibromochloromethane	ND< 100	1,1,2-Trichloroethane	ND< 100
1,1-Dichloroethane	ND< 100	Trichloroethene	ND< 100
1,2-Dichloroethane	ND< 100	Trichlorofluoromethane	ND< 100
1,1-Dichloroethene	ND< 100	Vinyl chloride	1,710
Chlorobenzene	ND< 100	1,3-Dichlorobenzene	ND< 100
1,2-Dichlorobenzene	ND< 100	1,4-Dichlorobenzene	ND< 100
cis-1,2-Dichloroethene	4,040		

ELAP Number 10958 Method: EPA 8260B Data File: V55663.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: (for)
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:			
COMPANY:	Anderson cleaners	COMPANY:		LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	5 Hunt Rd.	ADDRESS:	Same	08-1150	35635-04
CITY:	Jamestown, STATE: NY ZIP: 14701	CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS)	
PHONE:	716-664-5610 FAX:	PHONE: FAX:		STD	OTHER
ATTN:	Mike Lyons	ATTN:		☐ 1 ☐ 2 ☐ 3 ☒ 4	☐
COMMENTS:	Please email results to R. Kamptf 6 DAY			QUOTE #:	

PROJECT NAME/SITE NAME: Anderson Cleaners Jamestown, NY

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Analyzed VOCs 8260										REMARKS	PARADIGM LAB SAMPLE NUMBER
1	4-2-08	12:35		X	MW-201	Aq	2	X											4281
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☒	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature: 5°C	Y ☒	N ☐
Comments:		

Ray Kamptf 4-2-08/12:35
Sampled By Date/Time

Relinquished By 4-3-08/11:38
Date/Time

Received By 4/3/08 1152 Am
Date/Time

Elizabeth A. Honch 4/3/08 1345
Received @ Lab By Date/Time

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Day Environmental

For Lab Project # 08-2610
Issued August 1, 2008
This report contains a total of 7 pages

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

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

All soil or solid samples have been reported on a dry weight basis, unless qualified "reported as received".

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

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

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

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: DAY Environmental, Inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	08-2610
		Lab Sample Number:	8761
Client Job Number:	3563S-04		
Field Location:	BR-01-1	**Date Sampled:**	07/24/2008
Field ID Number:	N/A	**Date Received:**	07/25/2008
Sample Type:	Water	**Date Analyzed:**	07/30/2008

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 500	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 1,000	Tetrachloroethene	8,190
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	1,790
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	495
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	498		

ELAP Number 10958 Method: EPA 8260B Data File: V58494.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: DAY Environmental, Inc

Client Job Site: Anderson Cleaners
Client Job Number: 3563S-04
Field Location: BR-01-2
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 08-2610
Lab Sample Number: 8762
Date Sampled: 07/24/2008
Date Received: 07/25/2008
Date Analyzed: 07/30/2008

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 500	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 1,000	Tetrachloroethene	9,460
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	2,270
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	479
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	704		

ELAP Number 10958 Method: EPA 8260B Data File: V58495.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: DAY Environmental, Inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	08-2610
		Lab Sample Number:	8763
Client Job Number:	3563S-04		
Field Location:	BR-01-3	**Date Sampled:**	07/24/2008
Field ID Number:	N/A	**Date Received:**	07/25/2008
Sample Type:	Water	**Date Analyzed:**	07/30/2008

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 500	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 1,000	Tetrachloroethene	5,270
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	2,750
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	362
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	1,650		

ELAP Number 10958 Method: EPA 8260B Data File: V58496.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: DAY Environmental, Inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	08-2610
		Lab Sample Number:	8764
Client Job Number:	3563S-04		
Field Location:	BR-01-4	**Date Sampled:**	07/24/2008
Field ID Number:	N/A	**Date Received:**	07/25/2008
Sample Type:	Water	**Date Analyzed:**	07/30/2008

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 500	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 1,000	Tetrachloroethene	ND< 200
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	ND< 200
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	307
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	4,960		

ELAP Number 10958 Method: EPA 8260B Data File: V58497.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: DAY Environmental, Inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	08-2610
		Lab Sample Number:	8765
Client Job Number:	3563S-04		
Field Location:	BR-01-5	**Date Sampled:**	07/24/2008
Field ID Number:	N/A	**Date Received:**	07/25/2008
Sample Type:	Water	**Date Analyzed:**	07/30/2008

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 500	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 1,000	Tetrachloroethene	ND< 200
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	ND< 200
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	312
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	4,930		

ELAP Number 10958 Method: EPA 8260B Data File: V58498.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:
COMPANY: Day Environmental, Inc.
ADDRESS: 40 Commercial Street
CITY: Rochester STATE: NY ZIP: 14614
PHONE: FAX:
ATTN: Ray Kampff
COMMENTS: e-mail results to rKampff@daymail.net

INVOICE TO:
COMPANY: Anderson Cleaners, Inc.
ADDRESS: 5 Hunt Road
CITY: Jamestown STATE: New York ZIP:
PHONE: 716/664-5610 FAX:
ATTN: Mike Lyons

LAB PROJECT #: 08-2610
CLIENT PROJECT #: 3563S-04
TURNAROUND TIME: (WORKING DAYS) STD: 5 OTHER: 1 2 3
QUOTE #: JD 07210B

PROJECT NAME/SITE NAME: Anderson Cleaners

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	HCl 8260 8200	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 7-24-2008	1445		X	BR-01-1	GW	2	X	Include CIS-1,2DCE	87611
2	1449		X	BR-01-2	GW	2	X		87612
3	1456		X	BR-01-3	GW	2	X		87613
4	1500		X	BR-01-4	GW	2	X		87614
5 ↓	1503		X	BR-01-5	GW	2	X		87615
6									
7									
8									
9									
10									

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y [X]	N [ ]
Comments:		
Preservation:	Y [X]	N [ ]
Comments:		
Holding Time:	Y [X]	N [ ]
Comments:		
Temperature: 5°C iced	Y [X]	N [ ]
Comments:		

Sampled By: 7/24/2008 — Date/Time
Relinquished By: 7/25/2008 910 — Date/Time
Received By: 7/25/08 910 pm — Date/Time
Received @ Lab By: Elizabeth A. Honch 7/25/08 1420 — Date/Time

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Day Environmental

For Lab Project # 08-2609
Issued August 1, 2008
This report contains a total of 9 pages

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

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

All soil or solid samples have been reported on a dry weight basis, unless qualified "reported as received".

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

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

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

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	08-2609
		Lab Sample Number:	8753
Client Job Number:	3563S-04		
Field Location:	MW-06	**Date Sampled:**	07/24/2008
Field ID Number:	N/A	**Date Received:**	07/25/2008
Sample Type:	Water	**Date Analyzed:**	07/30/2008

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 5.00	trans-1,2-Dichloroethene	ND< 5.00
Bromomethane	ND< 5.00	1,2-Dichloropropane	ND< 5.00
Bromoform	ND< 12.5	cis-1,3-Dichloropropene	ND< 5.00
Carbon Tetrachloride	ND< 5.00	trans-1,3-Dichloropropene	ND< 5.00
Chloroethane	ND< 5.00	Methylene chloride	ND< 12.5
Chloromethane	ND< 5.00	1,1,2,2-Tetrachloroethane	ND< 5.00
2-Chloroethyl vinyl Ether	ND< 25.0	Tetrachloroethene	329
Chloroform	ND< 5.00	1,1,1-Trichloroethane	ND< 5.00
Dibromochloromethane	ND< 5.00	1,1,2-Trichloroethane	ND< 5.00
1,1-Dichloroethane	ND< 5.00	Trichloroethene	ND< 5.00
1,2-Dichloroethane	ND< 5.00	Trichlorofluoromethane	ND< 5.00
1,1-Dichloroethene	ND< 5.00	Vinyl chloride	ND< 5.00
Chlorobenzene	ND< 5.00	1,3-Dichlorobenzene	ND< 5.00
1,2-Dichlorobenzene	ND< 5.00	1,4-Dichlorobenzene	ND< 5.00
cis-1,2-Dichloroethene	ND< 5.00		

ELAP Number 10958 Method: EPA 8260B Data File: V58470.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogestegar: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	08-2609
		Lab Sample Number:	8754
Client Job Number:	3563S-04		
Field Location:	MW-04	**Date Sampled:**	07/24/2008
Field ID Number:	N/A	**Date Received:**	07/25/2008
Sample Type:	Water	**Date Analyzed:**	07/30/2008

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 20.0	trans-1,2-Dichloroethene	ND< 20.0
Bromomethane	ND< 20.0	1,2-Dichloropropane	ND< 20.0
Bromoform	ND< 50.0	cis-1,3-Dichloropropene	ND< 20.0
Carbon Tetrachloride	ND< 20.0	trans-1,3-Dichloropropene	ND< 20.0
Chloroethane	ND< 20.0	Methylene chloride	ND< 50.0
Chloromethane	ND< 20.0	1,1,2,2-Tetrachloroethane	ND< 20.0
2-Chloroethyl vinyl Ether	ND< 100	Tetrachloroethene	734
Chloroform	ND< 20.0	1,1,1-Trichloroethane	ND< 20.0
Dibromochloromethane	ND< 20.0	1,1,2-Trichloroethane	ND< 20.0
1,1-Dichloroethane	ND< 20.0	Trichloroethene	113
1,2-Dichloroethane	ND< 20.0	Trichlorofluoromethane	ND< 20.0
1,1-Dichloroethene	ND< 20.0	Vinyl chloride	ND< 20.0
Chlorobenzene	ND< 20.0	1,3-Dichlorobenzene	ND< 20.0
1,2-Dichlorobenzene	ND< 20.0	1,4-Dichlorobenzene	ND< 20.0
cis-1,2-Dichloroethene	101		

ELAP Number 10958 Method: EPA 8260B Data File: V58487.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc

Client Job Site: Anderson Cleaners
Client Job Number: 3563S-04
Field Location: MW-200
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 08-2609
Lab Sample Number: 8755

Date Sampled: 07/24/2008
Date Received: 07/25/2008
Date Analyzed: 07/30/2008

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00	trans-1,2-Dichloroethene	ND< 2.00
Bromomethane	ND< 2.00	1,2-Dichloropropane	ND< 2.00
Bromoform	ND< 5.00	cis-1,3-Dichloropropene	ND< 2.00
Carbon Tetrachloride	ND< 2.00	trans-1,3-Dichloropropene	ND< 2.00
Chloroethane	ND< 2.00	Methylene chloride	ND< 5.00
Chloromethane	ND< 2.00	1,1,2,2-Tetrachloroethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 10.0	Tetrachloroethene	ND< 2.00
Chloroform	ND< 2.00	1,1,1-Trichloroethane	ND< 2.00
Dibromochloromethane	ND< 2.00	1,1,2-Trichloroethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00	Trichloroethene	ND< 2.00
1,2-Dichloroethane	ND< 2.00	Trichlorofluoromethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00	Vinyl chloride	ND< 2.00
Chlorobenzene	ND< 2.00	1,3-Dichlorobenzene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00	1,4-Dichlorobenzene	ND< 2.00
cis-1,2-Dichloroethene	4.56		

ELAP Number 10958 Method: EPA 8260B Data File: V58488.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	08-2609
		Lab Sample Number:	8756
Client Job Number:	3563S-04		
Field Location:	MW-201	**Date Sampled:**	07/24/2008
Field ID Number:	N/A	**Date Received:**	07/25/2008
Sample Type:	Water	**Date Analyzed:**	07/30/2008

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 500	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 1,000	Tetrachloroethene	ND< 200
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	ND< 200
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	4,260
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	7,820		

ELAP Number 10958 Method: EPA 8260B Data File: V58473.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc

Client Job Site: Anderson Cleaners
Client Job Number: 3563S-04
Field Location: MW-07
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 08-2609
Lab Sample Number: 8757

Date Sampled: 07/24/2008
Date Received: 07/25/2008
Date Analyzed: 07/30/2008

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 500	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 1,000	Tetrachloroethene	11,600
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	ND< 200
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	ND< 200
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	245		

ELAP Number 10958 Method: EPA 8260B Data File: V58474.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	08-2609
		Lab Sample Number:	8758
Client Job Number:	3563S-04		
Field Location:	MW-7.1	**Date Sampled:**	07/24/2008
Field ID Number:	N/A	**Date Received:**	07/25/2008
Sample Type:	Water	**Date Analyzed:**	07/30/2008

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 1,000	trans-1,2-Dichloroethene	ND< 1,000
Bromomethane	ND< 1,000	1,2-Dichloropropane	ND< 1,000
Bromoform	ND< 2,500	cis-1,3-Dichloropropene	ND< 1,000
Carbon Tetrachloride	ND< 1,000	trans-1,3-Dichloropropene	ND< 1,000
Chloroethane	ND< 1,000	Methylene chloride	ND< 2,500
Chloromethane	ND< 1,000	1,1,2,2-Tetrachloroethane	ND< 1,000
2-Chloroethyl vinyl Ether	ND< 5,000	Tetrachloroethene	78,100
Chloroform	ND< 1,000	1,1,1-Trichloroethane	ND< 1,000
Dibromochloromethane	ND< 1,000	1,1,2-Trichloroethane	ND< 1,000
1,1-Dichloroethane	ND< 1,000	Trichloroethene	1,120
1,2-Dichloroethane	ND< 1,000	Trichlorofluoromethane	ND< 1,000
1,1-Dichloroethene	ND< 1,000	Vinyl chloride	ND< 1,000
Chlorobenzene	ND< 1,000	1,3-Dichlorobenzene	ND< 1,000
1,2-Dichlorobenzene	ND< 1,000	1,4-Dichlorobenzene	ND< 1,000
cis-1,2-Dichloroethene	ND< 1,000		

ELAP Number 10958 Method: EPA 8260B Data File: V58489.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	08-2609
		Lab Sample Number:	8759
Client Job Number:	3563S-04		
Field Location:	MW-203	**Date Sampled:**	07/24/2008
Field ID Number:	N/A	**Date Received:**	07/25/2008
Sample Type:	Water	**Date Analyzed:**	07/30/2008

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00	trans-1,2-Dichloroethene	ND< 2.00
Bromomethane	ND< 2.00	1,2-Dichloropropane	ND< 2.00
Bromoform	ND< 5.00	cis-1,3-Dichloropropene	ND< 2.00
Carbon Tetrachloride	ND< 2.00	trans-1,3-Dichloropropene	ND< 2.00
Chloroethane	ND< 2.00	Methylene chloride	ND< 5.00
Chloromethane	ND< 2.00	1,1,2,2-Tetrachloroethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 10.0	Tetrachloroethene	ND< 2.00
Chloroform	ND< 2.00	1,1,1-Trichloroethane	ND< 2.00
Dibromochloromethane	ND< 2.00	1,1,2-Trichloroethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00	Trichloroethene	ND< 2.00
1,2-Dichloroethane	ND< 2.00	Trichlorofluoromethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00	Vinyl chloride	ND< 2.00
Chlorobenzene	ND< 2.00	1,3-Dichlorobenzene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00	1,4-Dichlorobenzene	ND< 2.00
cis-1,2-Dichloroethene	3.66		

ELAP Number 10958 Method: EPA 8260B Data File: V58492.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:
COMPANY: Day Environmental, Inc.
ADDRESS: 40 Commercial Street
CITY: Rochester STATE: NY ZIP: 14614
PHONE: FAX:
ATTN: Ray Kompff

INVOICE TO:
COMPANY: Anderson Cleaners, Inc
ADDRESS: 5 Hunt Road
CITY: Jamestown, NY STATE: ZIP:
PHONE: 716/664-5610 FAX:
ATTN: Mike Lyons

LAB PROJECT #: 08-2609
CLIENT PROJECT #: 35635-04
TURNAROUND TIME: (WORKING DAYS) STD [X] 5 OTHER [ ] 1 [ ] 2 [ ] 3
QUOTE #: JD072108

PROJECT NAME/SITE NAME: Anderson Cleaners

COMMENTS: e-mail results to rkompff@daymail.net

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Volatile Halogens 8260										REMARKS	PARADIGM LAB SAMPLE NUMBER
1	7-24-2008	0945		X	MW-06	GW	2	X										include CIS-1,2-DCE	8753
2		1023		X	MW-04	GW	2	X											8754
3		1231		X	MW-200	GW	2	X											8755
4		1330		X	MW-201	GW	2	X											8756
5		1424		X	MW-07	GW	2	X											8757
6		1214		X	MW-7.1	GW	2	X											8758
7		1310		X	MW-203	GW	2	X											8759
8	↓	1353		X	MW-202	GW	2	X			HOLD								8760
9																			
10																			

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type: Comments:	Y [X]	N [ ]
Preservation: Comments:	Y [X]	N [ ]
Holding Time: Comments:	Y [X]	N [ ]
Temperature: Comments: 5°C iced	Y [X]	N [ ]

R. Kompff 7-24-2008
Sampled By Date/Time

R. Kompff 7-25-2008 910
Relinquished By Date/Time

[signature] 7/25/08 9:10am
Received By Date/Time

Elizabeth A. Honch 7/25/08 1410
Received @ Lab By Date/Time

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Day Environmental

For Lab Project # 10-0295
Issued February 1, 2010
This report contains a total of 6 pages

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

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

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

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

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

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

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	10-0295
		Lab Sample Number:	1767
Client Job Number:	3563S-04		
Field Location:	BR-02 FR	**Date Sampled:**	01/15/2010
Field ID Number:	N/A	**Date Received:**	01/18/2010
Sample Type:	Water	**Date Analyzed:**	01/25/2010

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 200	trans-1,2-Dichloroethene	ND< 200
Bromomethane	ND< 200	1,2-Dichloropropane	ND< 200
Bromoform	ND< 500	cis-1,3-Dichloropropene	ND< 200
Carbon Tetrachloride	ND< 200	trans-1,3-Dichloropropene	ND< 200
Chloroethane	ND< 200	Methylene chloride	ND< 500
Chloromethane	ND< 200	1,1,2,2-Tetrachloroethane	ND< 200
2-Chloroethyl vinyl Ether	ND< 1,000	Tetrachloroethene	15,000
Chloroform	ND< 200	1,1,1-Trichloroethane	ND< 200
Dibromochloromethane	ND< 200	1,1,2-Trichloroethane	ND< 200
1,1-Dichloroethane	ND< 200	Trichloroethene	ND< 200
1,2-Dichloroethane	ND< 200	Trichlorofluoromethane	ND< 200
1,1-Dichloroethene	ND< 200	Vinyl chloride	ND< 200
Chlorobenzene	ND< 200	1,3-Dichlorobenzene	ND< 200
1,2-Dichlorobenzene	ND< 200	1,4-Dichlorobenzene	ND< 200
cis-1,2-Dichloroethene	ND< 200		

ELAP Number 10958 Method: EPA 8260B Data File: V72370.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site: Anderson Cleaners
Client Job Number: 3563S-04
Field Location: BR-02 R
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 10-0295
Lab Sample Number: 1768
Date Sampled: 01/15/2010
Date Received: 01/18/2010
Date Analyzed: 01/21/2010

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 20.0	trans-1,2-Dichloroethene	ND< 20.0
Bromomethane	ND< 20.0	1,2-Dichloropropane	ND< 20.0
Bromoform	ND< 50.0	cis-1,3-Dichloropropene	ND< 20.0
Carbon Tetrachloride	ND< 20.0	trans-1,3-Dichloropropene	ND< 20.0
Chloroethane	ND< 20.0	Methylene chloride	ND< 50.0
Chloromethane	ND< 20.0	1,1,2,2-Tetrachloroethane	ND< 20.0
2-Chloroethyl vinyl Ether	ND< 100	Tetrachloroethene	334
Chloroform	ND< 20.0	1,1,1-Trichloroethane	ND< 20.0
Dibromochloromethane	ND< 20.0	1,1,2-Trichloroethane	ND< 20.0
1,1-Dichloroethane	ND< 20.0	Trichloroethene	79.8
1,2-Dichloroethane	ND< 20.0	Trichlorofluoromethane	ND< 20.0
1,1-Dichloroethene	ND< 20.0	Vinyl chloride	79.0
Chlorobenzene	ND< 20.0	1,3-Dichlorobenzene	ND< 20.0
1,2-Dichlorobenzene	ND< 20.0	1,4-Dichlorobenzene	ND< 20.0
cis-1,2-Dichloroethene	ND< 20.0		

ELAP Number 10958 Method: EPA 8260B Data File: V72305.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site: Anderson Cleaners
Client Job Number: 3563S-04
Field Location: BR-03 R
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 10-0295
Lab Sample Number: 1769
Date Sampled: 01/15/2010
Date Received: 01/18/2010
Date Analyzed: 01/21/2010

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 20.0	trans-1,2-Dichloroethene	ND< 20.0
Bromomethane	ND< 20.0	1,2-Dichloropropane	ND< 20.0
Bromoform	ND< 50.0	cis-1,3-Dichloropropene	ND< 20.0
Carbon Tetrachloride	ND< 20.0	trans-1,3-Dichloropropene	ND< 20.0
Chloroethane	ND< 20.0	Methylene chloride	ND< 50.0
Chloromethane	ND< 20.0	1,1,2,2-Tetrachloroethane	ND< 20.0
2-Chloroethyl vinyl Ether	ND< 100	Tetrachloroethene	115
Chloroform	ND< 20.0	1,1,1-Trichloroethane	ND< 20.0
Dibromochloromethane	ND< 20.0	1,1,2-Trichloroethane	ND< 20.0
1,1-Dichloroethane	ND< 20.0	Trichloroethene	221
1,2-Dichloroethane	ND< 20.0	Trichlorofluoromethane	ND< 20.0
1,1-Dichloroethene	ND< 20.0	Vinyl chloride	ND< 20.0
Chlorobenzene	ND< 20.0	1,3-Dichlorobenzene	ND< 20.0
1,2-Dichlorobenzene	ND< 20.0	1,4-Dichlorobenzene	ND< 20.0
cis-1,2-Dichloroethene	468		

ELAP Number 10958 Method: EPA 8260B Data File: V72306.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site:	Anderson Cleaners	**Lab Project Number:**	10-0295
		Lab Sample Number:	1770
Client Job Number:	3563S-04		
Field Location:	MW-04	**Date Sampled:**	01/15/2010
Field ID Number:	N/A	**Date Received:**	01/18/2010
Sample Type:	Water	**Date Analyzed:**	01/21/2010

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 20.0	trans-1,2-Dichloroethene	ND< 20.0
Bromomethane	ND< 20.0	1,2-Dichloropropane	ND< 20.0
Bromoform	ND< 50.0	cis-1,3-Dichloropropene	ND< 20.0
Carbon Tetrachloride	ND< 20.0	trans-1,3-Dichloropropene	ND< 20.0
Chloroethane	ND< 20.0	Methylene chloride	ND< 50.0
Chloromethane	ND< 20.0	1,1,2,2-Tetrachloroethane	ND< 20.0
2-Chloroethyl vinyl Ether	ND< 100	Tetrachloroethene	837
Chloroform	ND< 20.0	1,1,1-Trichloroethane	ND< 20.0
Dibromochloromethane	ND< 20.0	1,1,2-Trichloroethane	ND< 20.0
1,1-Dichloroethane	ND< 20.0	Trichloroethene	34.9
1,2-Dichloroethane	ND< 20.0	Trichlorofluoromethane	ND< 20.0
1,1-Dichloroethene	ND< 20.0	Vinyl chloride	ND< 20.0
Chlorobenzene	ND< 20.0	1,3-Dichlorobenzene	ND< 20.0
1,2-Dichlorobenzene	ND< 20.0	1,4-Dichlorobenzene	ND< 20.0
cis-1,2-Dichloroethene	24.6		

ELAP Number 10958 Method: EPA 8260B Data File: V72307.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM

CHAIN OF CUSTODY

REPORT TO:

COMPANY: Day Environmental, Inc.
ADDRESS: 40 Commercial Street
CITY: Rochester STATE: New York ZIP: 14614
PHONE: 585-454-0210 FAX:
ATTN: Ray Kampff

INVOICE TO:

COMPANY: Same
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #: 10-0295
CLIENT PROJECT #: 35635-04

TURNAROUND TIME: (WORKING DAYS)
STD ☐ 1 ☐ 2 ☐ 3 ☐ 5 OTHER ☒ 10

PROJECT NAME/SITE NAME: Anderson Cleaners

COMMENTS: e-mail results to rkampff@daymail.net

Quotation # TD072108

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Halogenated VOCs	+ CIS 1,2-DCE	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	1-15-2010	1130		X	BR-02 FR	W	2	X			17667
2	1-15-2010	0940		X	BR-02 R	W	2	X			17668
3	1-15-2010	1026		X	BR-03 R	W	2	X			17669
4	1-15-2010	1044		X	MW-04	W	2	X			17670
5											
6											
7											
8											
9											
10											

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☒	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature: 5°C iced	Y ☒	N ☐
Comments:		

R. Kampff — Sampled By — 1-15-2010 1150 — Date/Time

R. Kampff — Relinquished By — 1-18-2010 0915 — Date/Time

[signature] — Received By — 1/18/2010 0915 pm — Date/Time

Elizabeth A. Honch 1/18/10 1050 — Received @ Lab By — Date/Time

Total Cost:

P.I.F.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Day Environmental

For Lab Project # 10-1835B
Issued May 17, 2010
This report contains a total of 6 pages

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

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

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

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

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

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

"ND" = analyzed for but not detected.
"E" = Result has been estimated, calibration limit exceeded.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site: Anderson Cleaners
Client Job Number: 3563S-04
Field Location: BR-02 FR
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 10-1835B
Lab Sample Number: 6456

Date Sampled: 05/05/2010
Date Received: 05/06/2010
Date Analyzed: 05/11/2010

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 400	trans-1,2-Dichloroethene	ND< 400
Bromomethane	ND< 400	1,2-Dichloropropane	ND< 400
Bromoform	ND< 1,000	cis-1,3-Dichloropropene	ND< 400
Carbon Tetrachloride	ND< 400	trans-1,3-Dichloropropene	ND< 400
Chloroethane	ND< 400	Methylene chloride	ND< 1,000
Chloromethane	ND< 400	1,1,2,2-Tetrachloroethane	ND< 400
2-Chloroethyl vinyl Ether	ND< 2,000	Tetrachloroethene	30,000
Chloroform	ND< 400	1,1,1-Trichloroethane	ND< 400
Dibromochloromethane	ND< 400	1,1,2-Trichloroethane	ND< 400
1,1-Dichloroethane	ND< 400	Trichloroethene	ND< 400
1,2-Dichloroethane	ND< 400	Trichlorofluoromethane	ND< 400
1,1-Dichloroethene	ND< 400	Vinyl chloride	ND< 400
Chlorobenzene	ND< 400	1,3-Dichlorobenzene	ND< 400
1,2-Dichlorobenzene	ND< 400	1,4-Dichlorobenzene	ND< 400
cis-1,2-Dichloroethene	ND< 400		

ELAP Number 10958 Method: EPA 8260B Data File: V75230.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site: Anderson Cleaners
Client Job Number: 3563S-04
Field Location: BR-02 R
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 10-1835B
Lab Sample Number: 6457

Date Sampled: 05/05/2010
Date Received: 05/06/2010
Date Analyzed: 05/11/2010

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 20.0	trans-1,2-Dichloroethene	ND< 20.0
Bromomethane	ND< 20.0	1,2-Dichloropropane	ND< 20.0
Bromoform	ND< 50.0	cis-1,3-Dichloropropene	ND< 20.0
Carbon Tetrachloride	ND< 20.0	trans-1,3-Dichloropropene	ND< 20.0
Chloroethane	ND< 20.0	Methylene chloride	ND< 50.0
Chloromethane	ND< 20.0	1,1,2,2-Tetrachloroethane	ND< 20.0
2-Chloroethyl vinyl Ether	ND< 100	Tetrachloroethene	371
Chloroform	ND< 20.0	1,1,1-Trichloroethane	ND< 20.0
Dibromochloromethane	ND< 20.0	1,1,2-Trichloroethane	ND< 20.0
1,1-Dichloroethane	ND< 20.0	Trichloroethene	550
1,2-Dichloroethane	ND< 20.0	Trichlorofluoromethane	ND< 20.0
1,1-Dichloroethene	ND< 20.0	Vinyl chloride	115
Chlorobenzene	ND< 20.0	1,3-Dichlorobenzene	ND< 20.0
1,2-Dichlorobenzene	ND< 20.0	1,4-Dichlorobenzene	ND< 20.0
cis-1,2-Dichloroethene	ND< 20.0		

ELAP Number 10958 Method: EPA 8260B Data File: V75202.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature:
Bruce Hoogesteger, Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site: Anderson Cleaners
Client Job Number: 3563S-04
Field Location: BR-03 R
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 10-1835B
Lab Sample Number: 6458
Date Sampled: 05/05/2010
Date Received: 05/06/2010
Date Analyzed: 05/11/2010

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00	trans-1,2-Dichloroethene	ND< 2.00
Bromomethane	ND< 2.00	1,2-Dichloropropane	ND< 2.00
Bromoform	ND< 5.00	cis-1,3-Dichloropropene	ND< 2.00
Carbon Tetrachloride	ND< 2.00	trans-1,3-Dichloropropene	ND< 2.00
Chloroethane	ND< 2.00	Methylene chloride	ND< 5.00
Chloromethane	ND< 2.00	1,1,2,2-Tetrachloroethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 10.0	Tetrachloroethene	37.0
Chloroform	ND< 2.00	1,1,1-Trichloroethane	ND< 2.00
Dibromochloromethane	ND< 2.00	1,1,2-Trichloroethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00	Trichloroethene	18.0
1,2-Dichloroethane	ND< 2.00	Trichlorofluoromethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00	Vinyl chloride	ND< 2.00
Chlorobenzene	ND< 2.00	1,3-Dichlorobenzene	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00	1,4-Dichlorobenzene	ND< 2.00
cis-1,2-Dichloroethene	124		

ELAP Number 10958 Method: EPA 8260B Data File: V75229.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature:
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Day Environmental, Inc.

Client Job Site: Anderson Cleaners
Client Job Number: 3563S-04
Field Location: MW-04
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 10-1835B
Lab Sample Number: 6459

Date Sampled: 05/05/2010
Date Received: 05/06/2010
Date Analyzed: 05/11/2010

Halocarbons	Results in ug / L	Halocarbons	Results in ug / L
Bromodichloromethane	ND< 20.0	trans-1,2-Dichloroethene	ND< 20.0
Bromomethane	ND< 20.0	1,2-Dichloropropane	ND< 20.0
Bromoform	ND< 50.0	cis-1,3-Dichloropropene	ND< 20.0
Carbon Tetrachloride	ND< 20.0	trans-1,3-Dichloropropene	ND< 20.0
Chloroethane	ND< 20.0	Methylene chloride	ND< 50.0
Chloromethane	ND< 20.0	1,1,2,2-Tetrachloroethane	ND< 20.0
2-Chloroethyl vinyl Ether	ND< 100	Tetrachloroethene	694
Chloroform	ND< 20.0	1,1,1-Trichloroethane	ND< 20.0
Dibromochloromethane	ND< 20.0	1,1,2-Trichloroethane	ND< 20.0
1,1-Dichloroethane	ND< 20.0	Trichloroethene	31.4
1,2-Dichloroethane	ND< 20.0	Trichlorofluoromethane	ND< 20.0
1,1-Dichloroethene	ND< 20.0	Vinyl chloride	ND< 20.0
Chlorobenzene	ND< 20.0	1,3-Dichlorobenzene	ND< 20.0
1,2-Dichlorobenzene	ND< 20.0	1,4-Dichlorobenzene	ND< 20.0
cis-1,2-Dichloroethene	28.6		

ELAP Number 10958 Method: EPA 8260B Data File: V75204.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM

CHAIN OF CUSTODY

REPORT TO:

COMPANY: Day Environmental, Inc.
ADDRESS: 40 Commercial Street
CITY: Rochester STATE: NewYork ZIP: 14614
PHONE: 585-454-0210 x 108 FAX:
ATTN: Ray Kampff
COMMENTS: E-mail Results rkampff@daymail.net

INVOICE TO:

COMPANY: Same
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #: 10-1835B
CLIENT PROJECT #: 35635-04

TURNAROUND TIME: (WORKING DAYS)
STD: ☐ 1 ☐ 2 ☐ 3 ☐ 5 OTHER: 10

Quotation # JD07210B

PROJECT NAME/SITE NAME: Anderson Cleaners

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Halogenated	VOCs	t-cis 1,2-DCE	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 5-05-2010	1037		X	BR-02 FR	W	2	X	X	X		64556
2 5-05-2010	1044		X	BR-02 R	W	2					64557
3 5-05-2010	1022		X	BR-03 R	W	2					64558
4 5-05-2010	0956		X	MW-04	W	2					64559
5											
6											
7											
8											
9											
10											

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☒	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature: 5°C iced	Y ☒	N ☐
Comments:		

Sampled By: [signature] 5-05-2010 1045 Date/Time
Relinquished By: [signature] 5-06-2010 830 Date/Time
Received By: [signature] 5/6/10 8:30 Date/Time
Received @ Lab By: Elizabeth A Honch 5/6/10 1510 Date/Time

Total Cost:

P.I.F.

Appendix D

Test Boring Logs and Monitoring Well Installation Diagrams

TEST BORINGS

TB-1 THRU TB-9

8/4/2003

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-1

Project: Anderson Cleaners
DAY Representative: JKH
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Geoprobe
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 08/04/03
Completion Date: 08/04/03
Borehole Diameter: 2.0"
Borehole Depth: 6.0'
Water Level: Approximately 3.6'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	25	NA	268		Concrete Floor: 0.4 feet thick Dark Brown Silty Sand, little fine to medium Gravel, moist (FILL)
3	NA	S-2	2-4	90	NA	484		* Analytical Laboratory Sample TB-1 (2-4') ... some fine to medium Gravel
5	NA	S-3	4-6	10	NA	NC		Gray Clayey SILT, some Sand, wet [Note: Standing water at 3.6' upon completion of drilling]
								BOH @ 6.0'

File: 3292s 1.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-2

Project: Anderson Cleaners
DAY Representative: JKH
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Geoprobe
Sampling Method: Direct Push
Completion Method: Backfillled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 08/04/03 **Completion Date:** 08/04/03
Borehole Diameter: 2.0" **Borehole Depth:** 6.0'
Water Level: Approximately 4.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	25	NA	17		Concrete Floor: 0.4 feet thick Brown Silty Sand, little fine to medium Gravel, moist (FILL)
2								Dark Brown Sand, little Gravel, trace Silt, moist (FILL)
3	NA	S-2	2-4	25	NA	650		* Analytical Laboratory Sample TB-2 (2-4') ... wet
4								Gray Clayey SILT, some Sand, wet
5	NA	S-3	4-6	80	NA	118		* Analytical Laboratory Sample TB-2 (4-6')
6								BOH @ 6.0'
7								
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11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s2.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-3

Project: Anderson Cleaners
DAY Representative: JKH
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Geoprobe
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 08/04/03 **Completion Date:** 08/04/03
Borehole Diameter: 2.0" **Borehole Depth:** 7.0'
Water Level: Approximately 4.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	75	NA	17.5		Concrete Floor: 0.4 feet thick Brown Silty Sand, moist (FILL)
2								Dark Brown Silty Sand, little Gravel, moist (FILL)
3	NA	S-2	2-4	75	NA	250		* Analytical Laboratory Sample TB-3 (2-4')
4								... wet
5	NA	S-3	4-7	53	NA	105		Gray Clayey SILT, some Sand, trace Organics, wet
6								
7								BOH @ 7.0'
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s3.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-4

Project: Anderson Cleaners
DAY Representative: JKH
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Geoprobe
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 08/04/03 **Completion Date:** 08/04/03
Borehole Diameter: 2.0" **Borehole Depth:** 7.0'
Water Level: Approximately 4.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	80	NA	5.8		Concrete Floor: 0.4 feet thick Brown Sandy Silt, moist (FILL)
2								Dark Brown Sand, some Silt, little Gravel, moist (FILL)
3	NA	S-2	2-4	20	NA	302		
4								... wet
5	NA	S-3	4-7	50	NA	47.0		Gray Clayey SILT, some Organics, trace Sand, wet * Analytical Laboratory Sample TB-4 (4-7')
6								
7								BOH @ 7.0'
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9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s4.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-5

Project: Anderson Cleaners
DAY Representative: JKH
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Geoprobe
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 08/04/03 **Completion Date:** 08/04/03
Borehole Diameter: 2.0" **Borehole Depth:** 2.0'
Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	50	NA	38.5		Concrete Floor: 0.4 feet thick Dark Brown Sand, some Gravel, some trace Silt, moist (FILL)
2								Refusal @ 2.0'
3								
4								
5								
6								
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18								
19								
20								

File: 3292s5.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-6

Project: Anderson Cleaners
DAY Representative: JKH
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Geoprobe
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 08/04/03
Completion Date: 08/04/03
Borehole Diameter: 2.0"
Borehole Depth: 4.0'
Water Level: Approximately 3.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	50	NA	5.2		Brown Silt, some Sand, little Gravel (FILL)
2								
3	NA	S-2	2-4	70	NA	250		Dark Brown Sand, some Gravel, moist (FILL) ... wet * Analytical Laboratory Sample TB-6 (2-4')
4								Gray Clayey SILT, some Sand, trace Organics, wet BOH @ 4.0'
5								
6								
7								
8								
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10								
11								
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13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s6.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-7

Project: Anderson Cleaners
DAY Representative: JKH
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Geoprobe
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 08/04/03 **Completion Date:** 08/04/03
Borehole Diameter: 2.0" **Borehole Depth:** 4.0'
Water Level: Approximately 3.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	50	NA	0.0		Brown Silt, some Gravel, moist (FILL)
2								Dark Brown Sand, some Gravel, trace Silt, moist (FILL)
3	NA	S-2	2-4	25	NA	0.0		... wet
4								Gray Clayey SILT, some Sand, trace Organics, wet
								BOH @ 4.0'
5								
6								
7								
8								
9								
10								
11								
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14								
15								
16								
17								
18								
19								
20								

File: 3292s7.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-8

Project: Anderson Cleaners
DAY Representative: JKH
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Geoprobe
Sampling Method: Direct Push
Completion Method:

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 08/04/03 **Completion Date:** 08/04/03
Borehole Diameter: 2.0" **Borehole Depth:** 2.0'
Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	70	NA	0.0		Brown Silt, some Sand, little Gravel, moist (FILL)
2								Dark Brown Sand, some Gravel, trace Silt, moist (FILL)
								BOH @ 2.0'

File: 3292s8.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-9

Project: Anderson Cleaners
DAY Representative: JKH
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Geoprobe
Sampling Method: Direct Push
Completion Method:

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 08/04/03 **Completion Date:** 08/04/03
Borehole Diameter: 2.0" **Borehole Depth:** 2.0'
Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2	60	NA	4.0		Brown Silt, some Sand, little Gravel, moist (FILL)
2								Dark Brown Sand, some Gravel, moist (FILL)
								BOH @ 2.0'

File: 3292s9.log

TEST BORINGS

TB-10 THRU TB-27

MONITORING WELLS

MW-1 THRU MW-8

9/3/2003 AND 11/13/2003

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-10 (MW-1)

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: 1" PVC Screen & Riser

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 09/03/03 **Completion Date:** 09/03/03
Borehole Diameter: 2.25" **Borehole Depth:** 14.5'
Water Level: 1.4' from TOC on 9/12/03

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						2.3		3" Gravel Brown Silt, Sand, Gravel (FILL)
2	NA	S-1	0-4	30	NA	640		
3						175		Brown to Gray Clayey SILT, some Sand, little Gravel, moist
4								
5						1700		... wet @ 5.0'
6	NA	S-2	4-8	50	NA	502		
7						50.1		
8								
9						2100		* Analytical Laboratory Sample TB-10 (8-10')
10	NA	S-3	8-12	70	NA	1310		
11						40.8		
12						430		
13	NA	S-4	12-14.5	90	NA	238		
14						208		
15								Refusal @ 14.5'
16								
17								
18								
19								
20								

File: 3292s10.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-11 (MW-2)

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: 1" PVC Screen & Riser

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 09/03/03 **Completion Date:** 09/03/03
Borehole Diameter: 2.25" **Borehole Depth:** 12.0'
Water Level: 4.09' from TOC on 9/12/03

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						16.7		Gravel / Asphalt
						588		Gray Clayey SILT, some Sand, little Gravel, moist
2	NA	S-1	0-4	80	NA	437		
3						48.6		
4								... wet @ 4.0'
5						430		
	NA	S-2	4-8	70	NA	297		
6						60.4		Brown Clayey SILT, some Sand, little Gravel, wet
7								
8						29.2		
9						430		
	NA	S-3	8-12	90	NA	30.2		
10								
11						29.7		
12						25.8		Refusal @ 12.0'
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s11.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-12

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 09/03/03 **Completion Date:** 09/03/03
Borehole Diameter: 2.25" **Borehole Depth:** 11.8'
Water Level: Approximately 6.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						2.1		Topsoil
2	NA	S-1	0-4	70	NA	0.8		Brown Clayey SILT, some Sand, trace Gravel, moist
3						2.2		
4						2.1		
5								
6	NA	S-2	4-8	80	NA			Brown Silty SAND and GRAVEL, little Clay, wet
7								
8								
9								
10	NA	S-3	8-11.8	100	NA			
11								
12								Refusal @ 11.8'
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s12.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-13

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 09/03/03 **Completion Date:** 09/03/03
Borehole Diameter: 2.25" **Borehole Depth:** 7.7'
Water Level: Approximately 5.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1-4	NA	S-1	0-4	50	NA			Brown / Gray Silt, Sand, Gravel, Brick (FILL)
4-7	NA	S-2	4-7.7	90	NA			Brown / Gray Clayey SILT, some Gravel, trace Sand, moist ... wet @ 5.0' * Analytical Laboratory Sample TB-13 (6-7.7') ... Seam of SAND and GRAVEL @ 7.0-7.7'
8-20								Refusal @ 7.7'

File: 3292s13.log

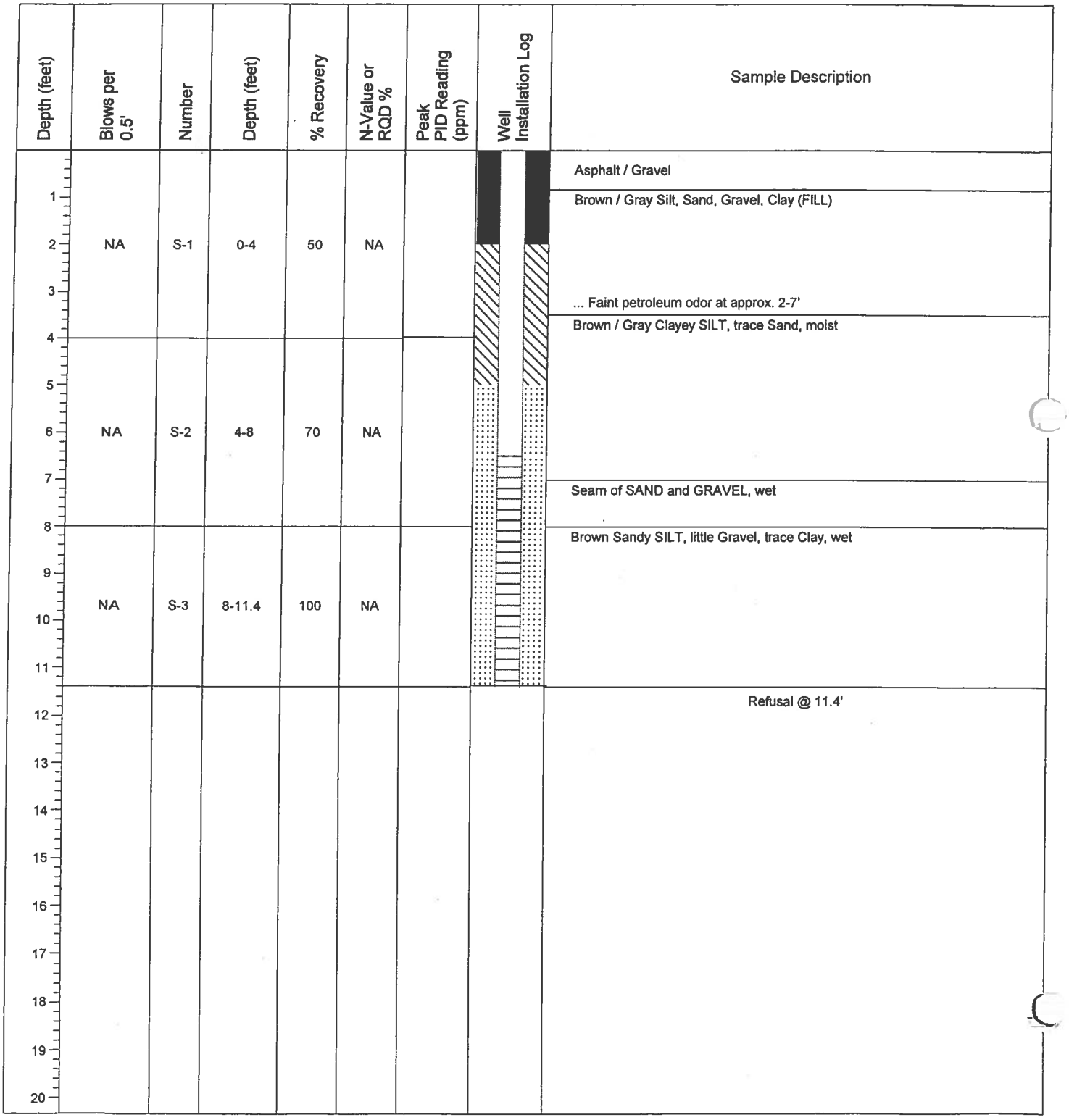
Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-14 (MW-5)

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: 1" PVC Screen & Riser

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 09/03/03 **Completion Date:** 09/03/03
Borehole Diameter: 2.25" **Borehole Depth:** 11.4'
Water Level: 1.32' from TOC on 9/12/03

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1–4	NA	S-1	0-4	50	NA			Asphalt / Gravel Brown / Gray Silt, Sand, Gravel, Clay (FILL) ... Faint petroleum odor at approx. 2-7'
4–8	NA	S-2	4-8	70	NA			Brown / Gray Clayey SILT, trace Sand, moist Seam of SAND and GRAVEL, wet
8–11	NA	S-3	8-11.4	100	NA			Brown Sandy SILT, little Gravel, trace Clay, wet
11–20								Refusal @ 11.4'



File: 3292s14.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-15

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 09/03/03
Completion Date: 09/03/03
Borehole Diameter: 2.25"
Borehole Depth: 11.6'
Water Level: Approximately 6.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1								Topsoil
2	NA	S-1	0-4	50	NA			Silt, Sand, Gravel, Brick, moist (FILL)
3								
4								Brown / Gray Clayey SILT, some Sand, little Gravel, moist
5								
6	NA	S-2	4-8	70	NA			... wet @ 6.0'
7								Brown SAND and GRAVEL (FILL) wet
8								
9								* Analytical Laboratory Sample TB-15 (8-10')
10	NA	S-3	8-11.6	90	NA			
11								
12								Refusal @ 11.6'
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s15.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-16 (MW-3)

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: 1" PVC Screen & Riser

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 09/03/03 **Completion Date:** 09/03/03
Borehole Diameter: 2.25" **Borehole Depth:** 11.1'
Water Level: 0.6' from TOC on 9/12/03

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Topsoil
						0.0		Silt, Sand, Gravel, Brick, moist (FILL)
2	NA	S-1	0-4	60	NA			
3						0.0		Brown / Gray Silty CLAY, some Sand, trace Gravel, moist
4						0.0		
5						0.0		
6	NA	S-2	4-8	90	NA			
7						0.0		
8						0.0		Brown SAND and GRAVEL, little Silt, trace Clay, wet
9						0.0		
10	NA	S-3	8-11.1	90	NA			... wet @ 8.0'
11						0.0		
12								Refusal @ 11.1'
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s16.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-17

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 09/03/03
Completion Date: 09/03/03
Borehole Diameter: 2.25"
Borehole Depth: 10.3'
Water Level: Approximately 5.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1								Topsoil
2	NA	S-1	0-4	80	NA	0.0		Silt, Sand, Gravel, Brick, moist (FILL)
3						0.0		
4						0.0		Brown Clayey SILT, some Sand, little Gravel, moist
5						0.0		... wet @ 5.0'
6	NA	S-2	4-8	60	NA	0.0		... some Gravel
7						0.0		
8						0.0		
9	NA	S-3	8-10.3	90	NA	0.0		* Analytical Laboratory Sample TB-17 (8-10')
10						0.0		
11								Refusal @ 10.3'
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s17.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-18 (MW-4)

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: 1" PVC Screen & Riser

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 09/03/03 **Completion Date:** 09/03/03
Borehole Diameter: 2.25" **Borehole Depth:** 11.3'
Water Level: 2.37' from TOC on 9/12/03

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1–4	NA	S-1	0-4	10	NA			Topsoil Silt, Sand, Gravel, Brick, moist (FILL)
4–8	NA	S-2	4-8	50	NA	1300 1748 20.8		Brown / Gray Clayey SILT, some Sand, little Gravel, wet
8–11	NA	S-3	8-11.3	70	NA			Brown Silty SAND and GRAVEL, little Clay, wet
11–20								Refusal @ 11.3'

File: 3292s18.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-19

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 09/03/03
Completion Date: 09/03/03
Borehole Diameter: 2.25"
Borehole Depth: 10.9'
Water Level: Approximately 4.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Gravel / Asphalt
2	NA	S-1	0-4	70	NA	0.0		Silt, Sand, Gravel, Brick, moist (FILL)
3						0.0		
4						0.0		
5						0.0		Brown / Gray Clayey SILT, some Sand, little Gravel, wet
6	NA	S-2	4-8	60	NA	0.0		
7						0.0		
8						0.0		
9	NA	S-3	8-10.9	80	NA	0.0		Brown Silty SAND and GRAVEL, little Clay, wet
10						0.0		* Analytical Laboratory Sample TB-19 (8-10')
11								Refusal @ 10.9'
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s19.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-20

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 09/03/03 **Completion Date:** 09/03/03
Borehole Diameter: 2.25" **Borehole Depth:** 1.4'
Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-1.4	50	NA	0.0 0.0		3" Asphalt Silt, Sand, Gravel (FILL), damp
								Refusal @ 1.4'

File: 3292s20.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-20A

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 09/03/03
Completion Date: 09/03/03
Borehole Diameter: 2.25"
Borehole Depth: 1.8'
Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-1.8	50	NA	0.0 0.0		3" Asphalt Silt, Sand, Gravel (FILL), damp
2								Refusal @ 1.8'
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s20a.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-21

Project: Anderson Cleaners
DAY Representative: D. Noll
Drilling Contractor: Day Environmental, Inc.
Drilling Rig: Track Mount 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Test Boring Location Plan
Ground Surface Elevation: NA **Datum:** NA
Start Date: 09/03/03 **Completion Date:** 09/03/03
Borehole Diameter: 2.25" **Borehole Depth:** 7.7'
Water Level: Approximately 4.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1								Topsoil
2	NA	S-1	0-4	70	NA			Silt, Sand, Gravel, Brick, moist (FILL)
3								
4								Brown / Back Clayey SILT, some Gravel (Faint odor possible organics)
5								... wet @ 4.0'
6	NA	S-2	4-7.7	80	NA			
7								* Analytical Laboratory Sample TB-21 (6-7.7')
8								Refusal @ 7.7'
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292s21.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-22

Project: Anderson Cleaners
DAY Representative: D. Peck
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT Track-Mount
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Site Plan
Ground Surface Elevation: NA
Start Date: 11/13/03
Borehole Diameter: 2.25"
Water Level: Approximately 3.0'

Datum: NA
Completion Date: 11/13/03
Borehole Depth: 11.9'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	Laboratory Sample	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						88.6		3" Gravel Brown Silt, Sand, Gravel (FILL), moist
2	NA	S-1	0-4	50	NA	1411		
3						1009		Brown to Gray Clayey SILT, some Sand, little Gravel, wet
4								
5						982		
6	NA	S-2	4-8	80	NA	192		
7						215		
8								
9						1020		... Running SAND at 9.0', wet
10	NA	S-3	8-11.9	70	NA			
11						1075		... fine SAND, trace Gravel, moist
12								Refusal @ 11.9'
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292b22.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-23 (MW-6)

Project: Anderson Cleaners
DAY Representative: D. Peck
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT Track-Mount
Sampling Method: Direct Push
Completion Method: 1-inch PVC Well Installed

Project No: 3292S-03
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 11/13/03
Completion Date: 11/13/03
Borehole Diameter: 2.25"
Borehole Depth: 11.4'
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	Laboratory Sample	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-4	40	NA	7.4		3" Gravel Brown Silt, Sand, Gravel (FILL), moist
2								
3						14.9		Brown to Gray Clayey SILT, some Sand, little Gravel, moist
4								
5	NA	S-2	4-8	70	NA	1.5		... wet
6						0.8		
7						1.5		
8								
9	NA	S-3	8-11.4	50	NA	12.2		Brown coarse SAND, wet
10						6.5		
11								... becoming fine to medium SAND
12								Refusal @ 11.4'
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292b23.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-24

Project: Anderson Cleaners
DAY Representative: D. Peck
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT Track-Mount
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Site Plan
Ground Surface Elevation: NA
Start Date: 11/13/03
Borehole Diameter: 2.25"
Water Level: Approximately 4.0'

Datum: NA
Completion Date: 11/13/03
Borehole Depth: 11.9'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	Laboratory Sample	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						3.7		3" Concrete Brown Silt, Sand and Gravel, moist (FILL)
2	NA	S-1	0-4	30	NA	2.1		
3						6.7		Brown to Gray Clayey SILT, moist
4						29.8		Brown to Gray SAND and GRAVEL, wet
5						313		
6	NA	S-2	4-8	80	NA	278		Brown / Gray Clayey SILT, trace Sand, wet
7						553		
8						436		
9						537		
10	NA	S-3	8-11.9	40	NA			
11						22.9		
12								Refusal @ 11.9'
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292b24.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-25

Project: Anderson Cleaners
DAY Representative: D. Peck
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT Track-Mount
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 11/13/03
Completion Date: 11/13/03
Borehole Diameter: 2.25"
Borehole Depth: 2.8'
Water Level: Not Encountered

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	Laboratory Sample	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-2.8	20	NA	3.3		4.5' Concrete Brown Silt and Gravel (FILL)
2						7.8		... Dark Brown Silt
3								Refusal @ 2.8'
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292b25.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-26 (MW-7)

Project: Anderson Cleaners
DAY Representative: D. Peck
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT Track-Mount
Sampling Method: Direct Push
Completion Method: 1-inch PVC Well Installed

Project No: 3292S-03
Boring Location: See Site Plan
Ground Surface Elevation: NA
Start Date: 11/13/03
Borehole Diameter: 2.25"
Water Level:

Datum: NA
Completion Date: 11/13/03
Borehole Depth: 10.5'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	Laboratory Sample	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						8.3		5-inches of Concrete
								Brown Silt and Gravel (FILL)
2	NA	S-1	0-4	50	NA	4.2		
						18.8		Brown / Gray Clayey SILT, moist
3								... trace organics at 3.0'
4						66.7		
5						6.8		Gray Course SAND, wet
6	NA	S-2	4-8	25	NA			Brown / Gray Clayey SILT, wet
7						12.3		
8								Brown Silty SAND, wet
9	NA	S-3	8-10.5	NA	NA	21.7		... becomes medium SAND
10						171		
11								Refusal @ 10.5'
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292b26.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: TB-27 (MW-8)

Project: Anderson Cleaners
DAY Representative: D. Peck
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT Track-Mount
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3292S-03
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 11/13/03
Completion Date: 11/13/03
Borehole Diameter: 2.25"
Borehole Depth: 11.5'
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	Laboratory Sample	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.4		3" Wood Floor 2" Asphalt 3" Concrete
2	NA	S-1	0-4	50	NA	0.7		Brown Silt, Sand and Gravel (FILL), moist
3						1.0		Brown / Gray Clayey SILT, little Gravel, moist
4								Brown/Gray coarse SAND, little Gravel, wet
5						3.7		
6	NA	S-2	4-8	70	NA	0.3		Brown / Gray Clayey SILT, wet
7						0.1		
8						0.5		
9						0.0		... little rounded Gravel
10	NA	S-3	8-11.5	70	NA			
11						0.0		
12								Refusal @ 11.5'
13								
14								
15								
16								
17								
18								
19								
20								

File: 3292b27.log

TEST BORINGS/MONITORING WELLS

PW-2, PW-3

10/13/2004

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: PW-2

Project: 5 Hunt Road, Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT (track mount)
Sampling Method: Direct Push
Completion Method: 1" PVC Well Installed

Project No: 3292S-03
Boring Location: See Site Plan
Ground Surface Elevation: NA
Start Date: 10/13/04
Borehole Diameter: 2.25"
Water Level: 1.06' (10/21/04)

Datum: NA
Completion Date: 10/13/04
Borehole Depth: 15.3'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Concrete
								Stone sub-base
2	NA	S-1	0-4	75	NA	0.0		Brown to Gray Silty Sand and Gravel, Brick (FILL), moist
3						0.0		
4								
5						8.9		Gray Sandy SILT, trace Gravel, wet
6	NA	S-2	4-8	75	NA	11.4		... organic lens (roots), soft
7						23.2		
8								
9						7.3		
10	NA	S-3	8-12	40	NA			
11						40.1		
12								
13						3180		
14	NA	S-4	12-15.3	50	NA	4625		
15								
16								Refusal @ 15.3'
17								
18								
19								
20								

File: 3292pw2.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614
(585) 454-0210

BORING NUMBER: PW-3

Project: 5 Hunt Road, Jamestown, NY
Project No: 3292S-03
DAY Representative: C. Davidson
Boring Location: See Site Plan
Drilling Contractor: SLC Environmental Services
Ground Surface Elevation: NA
Datum: NA
Drilling Rig: Geoprobe 54LT (track mount)
Start Date: 10/13/04
Completion Date: 10/13/04
Sampling Method: Direct Push
Borehole Diameter: 2.25"
Borehole Depth: 15.4'
Completion Method: 1" PVC Well Installed
Water Level: 1.72' (10/21/04)

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1–4	NA	S-1	0-4	20	NA	41.2 391		Concrete Stone sub-base Gray to brown Sandy Silt and Gravel (FILL), moist ... chemical-type odor
4–15	NA	NA	4-15.4	NA	NA			NOTE: Stone sub-base falling into borehole from underneath concrete surface. Concrete becoming undercut, a disposable point was used to advance boring. This stopped "fall in" and ensured a proper well installation.
15–20								Refusal @ 15.4'

File: 3292pw3.log

TEST BORINGS

TB-100 THRU TB-117

2/7/2005

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-100

Project: 5 Hunt Road, Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3563S-04
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 2/07/05
Completion Date: 2/07/05
Borehole Diameter: 2.25"
Borehole Depth: 8.0'
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-4	50	NA	0.0		Brown to Black Sandy Silt, Gravel, trace Clay, wet (FILL)
2						12.3		
3						515		... black stained lens ... organic lens (wood decay)
4						36.2		
5	NA	S-2	4-8	100	NA	513		Brown Sandy SILT, wet
6						379		
7						591		... Gravel lens
8						320		... Gravel lens
9								Boring complete @ 8.0'
10								
11								
12								
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14								
15								
16								
17								
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19								
20								

File: 3563b100.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-101

Project: 5 Hunt Road, Jamestown, NY
Project No: 3563S-04
DAY Representative: C. Davidson
Boring Location: See Site Plan
Drilling Contractor: SLC Environmental Services
Ground Surface Elevation: NA
Datum: NA
Drilling Rig: Geoprobe 54LT
Start Date: 2/07/05
Completion Date: 2/07/05
Sampling Method: Direct Push
Borehole Diameter: 2.25"
Borehole Depth: 8.0'
Completion Method: Backfilled with cuttings
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1–4	NA	S-1	0-4	25	NA	31.4 49.3		Brown to Black Sand and Gravel, trace Silt, trace Organics (wood decay), wet (FILL) Brown to Gray Clayey SILT, trace Gravel, trace Organics (wood decay), wet
4–8	NA	S-2	4-8	25	NA	391 229		... Gravel lens
8–20								Boring complete @ 8.0'

File: 3563b101.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-102

Project: 5 Hunt Road, Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3563S-04
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 2/07/05
Completion Date: 2/07/05
Borehole Diameter: 2.25"
Borehole Depth: 8.0'
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						112		Brown Sandy Gravel, some Organics (wood decay), wet (FILL)
2	NA	S-1	0-4	20	NA			
3						617		
4								... black staining, odor
5						3500		... black staining, odor
6	NA	S-2	4-8	50	NA			
7						719		
8								Boring complete @ 8.0'
9								
10								
11								
12								
13								
14								
15								
16								
17								
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19								
20								

File: 3563b102.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-103

Project: 5 Hunt Road, Jamestown, NY
Project No: 3563S-04
DAY Representative: C. Davidson
Boring Location: See Site Plan
Drilling Contractor: SLC Environmental Services
Ground Surface Elevation: NA
Datum: NA
Drilling Rig: Geoprobe 54LT
Start Date: 2/07/05
Completion Date: 2/07/05
Sampling Method: Direct Push
Borehole Diameter: 2.25"
Borehole Depth: 8.0'
Completion Method: Backfilled with cuttings
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						1179		Brown Sand and Gravel, trace Silt, trace Organics (wood decay), wet (FILL)
2	NA	S-1	0-4	50	NA	312		
3						529		Brown to Gray Clayey SILT, trace Gravel, wet
4								
5						2120		... Organics (wood decay)
6	NA	S-2	4-8	75	NA	591		
7						712		
8								Boring complete @ 8.0'
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3563b103.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-104

Project: 5 Hunt Road, Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3563S-04
Boring Location: See Site Plan
Ground Surface Elevation: NA
Start Date: 2/07/05
Borehole Diameter: 2.25"
Water Level:

Datum: NA
Completion Date: 2/07/05
Borehole Depth: 8.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-4	50	NA	1179		Brown to Gray Sand and Gravel, trace Silt, trace Organics (wood decay), wet (FILL)
2								
3						2100		Brown to Gray Clayey SILT, some Gravel, wet
4								
5	NA	S-2	4-8	75	NA	1791		
6						553		
7						670		
8								Boring complete @ 8.0'
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3563b104.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-105

Project: 5 Hunt Road, Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3563S-04
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 2/07/05
Completion Date: 2/07/05
Borehole Diameter: 2.25"
Borehole Depth: 8.0'
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-4	10	NA	169		Brown to Gray Sand and Gravel, trace Silt, trace Organics (wood decay), wet (FILL)
2								
3						109		Brown to Gray Clayey SILT, some Gravel, wet
4								
5	NA	S-2	4-8	75	NA	120		
6						89.4		
7								
8								Boring complete @ 8.0'
9								
10								
11								
12								
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19								
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File: 3563b105.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-106

Project: 5 Hunt Road, Jamestown, NY
Project No: 3563S-04
DAY Representative: C. Davidson
Boring Location: See Site Plan
Drilling Contractor: SLC Environmental Services
Ground Surface Elevation: NA
Datum: NA
Drilling Rig: Geoprobe 54LT
Start Date: 2/07/05
Completion Date: 2/07/05
Sampling Method: Direct Push
Borehole Diameter: 2.25"
Borehole Depth: 8.0'
Completion Method: Backfilled with cuttings
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1–4	NA	S-1	0-4	10	NA	1069 875		Brown to Black Sand and Gravel, trace Silt, trace Organics (wood decay), wet (FILL) Brown to Gray Clayey SILT, some Gravel, wet
5–8	NA	S-2	4-8	75	NA	1341 697		
9–20								Boring complete @ 8.0'

File: 3563b106.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-107

Project: 5 Hunt Road, Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3563S-04
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 2/07/05
Completion Date: 2/07/05
Borehole Diameter: 2.25"
Borehole Depth: 8.0'
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-4	75	NA	169		Brown to Black Sand and Gravel, trace Silt, trace Organics (wood decay), wet (FILL)
2						212		
3						240		Brown Clayey SILT, trace Gravel, wet
4								
5	NA	S-2	4-8	75	NA	191		
6								
7						103		
8								Boring complete @ 8.0'
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17								
18								
19								
20								

File: 3563b107.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-108

Project: 5 Hunt Road, Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3563S-04
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 2/07/05
Completion Date: 2/07/05
Borehole Diameter: 2.25"
Borehole Depth: 8.0'
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-4	25	NA	60.9		Brown to Black Sand and Gravel, trace Silt, trace Organics (wood decay), wet (FILL)
2								
3						53.4		Brown Clayey SILT, trace Gravel, trace Organics (wood decay), wet
4								
5	NA	S-2	4-8	50	NA	50.9		
6								
7						31.3		
8								Boring complete @ 8.0'
9								
10								
11								
12								
13								
14								
15								
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17								
18								
19								
20								

File: 3563b108.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-109

Project: 5 Hunt Road, Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3563S-04
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 2/07/05
Completion Date: 2/07/05
Borehole Diameter: 2.25"
Borehole Depth: 8.0'
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-4	75	NA	65		Brown to Black Sand and Gravel, trace Silt, trace Organics (wood decay), wet (FILL)
2						194		
3						1031		Brown to Gray Clayey SILT, trace Gravel, trace Organics (wood decay), wet
4								
5	NA	S-2	4-8	75	NA	1209		
6						515		
7						791		
8								Boring complete @ 8.0'
9								
10								
11								
12								
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14								
15								
16								
17								
18								
19								
20								

File: 3563b109.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-110

Project: 5 Hunt Road, Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3563S-04
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 2/07/05
Completion Date: 2/07/05
Borehole Diameter: 2.25"
Borehole Depth: 8.0'
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						104		Brown to Black Sand and Gravel, trace Silt, trace Organics (wood decay), wet (FILL)
2	NA	S-1	0-4	50	NA	34.3		
3						41.4		Brown to Gray Clayey SILT, trace Gravel, trace Organics, wet
4								
5						109		
6	NA	S-2	4-8	50	NA	152		
7						210		
8								Boring complete @ 8.0'
9								
10								
11								
12								
13								
14								
15								
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17								
18								
19								
20								

File: 3563b110.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-111

Project: 5 Hunt Road, Jamestown, NY
Project No: 3563S-04
DAY Representative: C. Davidson
Boring Location: See Site Plan
Drilling Contractor: SLC Environmental Services
Ground Surface Elevation: NA
Datum: NA
Drilling Rig: Geoprobe 54LT
Start Date: 2/07/05
Completion Date: 2/07/05
Sampling Method: Direct Push
Borehole Diameter: 2.25"
Borehole Depth: 8.0'
Completion Method: Backfilled with cuttings
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-4	50	NA	81.2		Black to Brown Sand and Gravel, trace Silt, trace Organics (wood decay), wet (FILL)
2						103		... Gravel lens
3						3516		
4								... black staining
5	NA	S-2	4-8	50	NA	2714		Brown to Gray Clayey SILT, trace Gravel, wet
6								
7						917		
8								Boring complete @ 8.0'
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3563b1 11.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-112

Project: 5 Hunt Road, Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3563S-04
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 2/07/05
Completion Date: 2/07/05
Borehole Diameter: 2.25"
Borehole Depth: 8.0'
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-4	50	NA	64.1		Brown to Black Sand and Gravel, trace Silt, trace Organics (wood decay), wet (FILL)
2						110		
3						51.3		... black staining
4								
5	NA	S-2	4-8	100	NA	47.3		Brown Clayey SILT, trace Gravel, wet
6						18.3		
7						20.1		
8								Boring complete @ 8.0'
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3563b112.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-113

Project: 5 Hunt Road, Jamestown, NY
Project No: 3563S-04
DAY Representative: C. Davidson
Boring Location: See Site Plan
Drilling Contractor: SLC Environmental Services
Ground Surface Elevation: NA
Datum: NA
Drilling Rig: Geoprobe 54LT
Start Date: 2/07/05
Completion Date: 2/07/05
Sampling Method: Direct Push
Borehole Diameter: 2.25"
Borehole Depth: 8.0'
Completion Method: Backfilled with cuttings
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						7.5		Brown to Black Sand and Gravel, trace Silt, trace Organics, wet (FILL)
2	NA	S-1	0-4	75	NA	1.2		
3						3.0		
4								Brown to Gray Clayey SILT, trace Gravel, Organics
5						128		
6	NA	S-2	4-8	75	NA	141		... Frequent Organics (peat moss) 5.5' to 8.0'
7						233		
8								Boring complete @ 8.0'
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3563b113.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-114

Project: 5 Hunt Road, Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3563S-04
Boring Location: See Site Plan
Ground Surface Elevation: NA
Start Date: 2/07/05
Borehole Diameter: 2.25"
Water Level:

Datum: NA
Completion Date: 2/07/05
Borehole Depth: 8.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-4	25	NA	5.3		Brown to Black Sand and Gravel, trace Silt, wet (FILL)
2						7.1		
3						9.4		... Gravel lens
4								Brown to Gray Clayey SILT, trace Gravel, wet
5	NA	S-2	4-8	75	NA	372		
6						351		
7						519		
8								Boring complete @ 8.0'
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3563b114.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-115

Project: 5 Hunt Road, Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3563S-04
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 2/07/05
Completion Date: 2/07/05
Borehole Diameter: 2.25"
Borehole Depth: 11.8'
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Brown Sandy Silt, trace Gravel, intermixed Bricks, Organics (roots), wet
2	NA	S-1	0-4	50	NA	0.0		
3						0.0		
4						14.3		... Organics (peat moss)
5						0.7		Brown to Gray Clayey SILT, trace Gravel, wet
6	NA	S-2	4-8	75	NA	91.3		
7						4.1		... slight chemical odor
8								
9						7.3		
10	NA	S-3	8-11.8	75	NA	10.1		
11						191		... slight chemical odor
12								Refusal at 11.8'
13								
14								
15								
16								
17								
18								
19								
20								

File: 3563b1 15.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-116

Project: 5 Hunt Road, Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3563S-04
Boring Location: See Site Plan
Ground Surface Elevation: NA
Datum: NA
Start Date: 2/07/05
Completion Date: 2/07/05
Borehole Diameter: 2.25"
Borehole Depth: 14.2'
Water Level:

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1						0.0		Brown Sandy Silt, trace Gravel, Brick fragments, trace Organics (roots), wet
2	NA	S-1	0-4	50	NA	0.0		
3						0.0		
4						14.8		... organics (peat moss)
5						5.3		Gray to Brown Clayey SILT, trace Gravel, wet
6	NA	S-2	4-8	75	NA	4.9		... Gray
7						7.1		
8								
9						0.0		
10	NA	S-3	8-12	100	NA	0.0		... Gravel lens
11						0.0		
12								
13	NA	S-4	12-14.2	100	NA	0.0		
14						0.0		
15						0.0		Refusal at 14.2'
16								
17								
18								
19								
20								

File: 3563b116.log

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614-1008
(585) 454-0210

BORING NUMBER: TB-117

Project: 5 Hunt Road, Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SLC Environmental Services
Drilling Rig: Geoprobe 54LT
Sampling Method: Direct Push
Completion Method: Backfilled with cuttings

Project No: 3563S-04
Boring Location: See Site Plan
Ground Surface Elevation: NA
Start Date: 2/07/05
Borehole Diameter: 2.25"
Water Level:

Datum: NA
Completion Date: 2/07/05
Borehole Depth: 8.0'

Depth (feet)	Blows per 0.5'	Number	Depth (feet)	% Recovery	N-Value or RQD %	Peak PID Reading (ppm)	Well Installation Log	Sample Description
1	NA	S-1	0-4	50	NA	0.0		Brown Sandy Silt, trace Gravel, Brick fragments, trace Organics (roots), wet
2						0.0		
3						0.0		... peat moss
4						0.0		
5	NA	S-2	4-8	100	NA	0.0		Gray to Brown Clayey SILT, trace Gravel, wet
6						0.0		... Gravel lens
7						0.0		
8								Refusal at 8.0'
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

File: 3563b117.log

TEST BORINGS

B-1 THRU B-11

MONITORING WELLS

MW-01 THRU MW-08

5/2/2005 THRU 5/23/2005

day

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DAY ENVIRONMENTAL, INC.

AN AFFILIATE OF DAY ENGINEERING, P.C

Project #:	3563S-04
Project Address:	5 Hunt Road
	Jamestown, NY
DAY Representative:	C. Davidson
Drilling Contractor:	SJB Services
Sampling Method:	2' Split Spoon

TEST BORING NO. B-1

Page 1 of 2

Ground Elevation:	102.02	Datum:	Site Datum
Date Started:	5/2/2005	Date Ended:	5/2/2005
Borehole Depth:	19.0'	Borehole Diameter:	8.0"

Completion Method: ■ Well Installed MW-01 ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	PID Reading (ppm)	Sample Description	Notes
1	1 2 2 3	S-1	0-2	17	4	0.0	TOPSOIL Very loose, light brown, Sandy SILT, trace Clay, fine Gravel, Organics (roots), moist	
3	3 1 2 5	S-2	2-4	17	3	0.0		
5	4 11 14 7	S-3	4-6	42	25	0.0	...Rock fragment (>2") in split spoon ...Medium dense	
7	12 17 12 10	S-4	6-8	17	29	0.0	Very stiff, brown Clayey SILT, trace coarse Gravel, moist	
9	4 9 6 9	S-5	8-10	71	15	0.0		
11	2 7 11 14	S-6	10-12	63	18	0.0	...wet	
13	14 10 10 12	S-7	12-14	75	20	0.0	...light brown, mottled with gray	
15	4 12 25 37	S-8	14-16	50	37	0.0	...Rock fragment (>2") in split spoon	

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp
4) NA = Not Available or Not Applicable

TEST BORING NO. B-1

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SJB Services
Sampling Method: 2' Split Spoon

TEST BORING NO. B-1

Page 2 of 2

Ground Elevation: 102.02 Datum: Site Datum
Date Started: 5/2/2005 Date Ended: 5/2/2005
Borehole Depth: 19.0' Borehole Diameter: 8.0"
Completion Method: ■ Well Installed MW-01 ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	PID Reading (ppm)	Sample Description	Notes
17	14 10 21 50/4	S-9	16-18	67	31	0.0	Hard, brown Clayey SILT, trace coarse Gravel, wet	17
18	17 50/3	s-10	18-19	42	N/A	0.0	...red brown	18
19							Split spoon refusal @ 18.8'; augered to 19.0'	19

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. B-1

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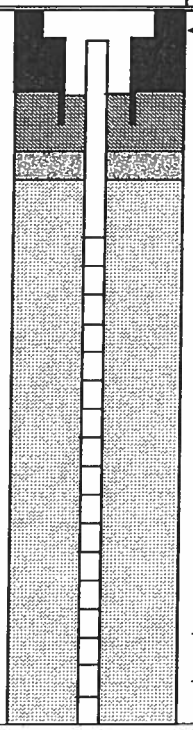
MONITORING WELL INSTALLATION LOG

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: C. Davidson
Drilling Contractor: SJB Services

MONITORING WELL NO. MW-01

Ground Elevation: 100.02 Datum: Site Datum
Date Started: 5/2/2005 Date Ended: 5/2/2005

Refer to Test Boring Log B-1 for Soil Description



Flush Mounted Roadbox
____ Depth to Top of Riser Pipe (ft)
2.0 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Grout (2.0' to 8.0')

8.0 Depth to Top of Bentonite Seal (ft)
11.0 Depth to Bottom of Bentonite Seal (ft)

13.0 Depth to Top of Well Screen (ft)

8.0 Diameter of Borehole (in)

Backfill Type SAND

2.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 0.01 mm

18.0 Depth to Bottom of Well Screen (ft)

19.0 Depth of Borehole (ft)

Notes:

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL NO. MW-01

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Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SJB Services
Sampling Method: 2' Split Spoon

TEST BORING NO. B-2

Page 1 of 2

Ground Elevation: 99.39 Datum: Site Datum
Date Started: 5/6/2005 Date Ended: 5/6/2005
Borehole Depth: ~21.5' Borehole Diameter: 8.0"
Completion Method: ■ Well Installed MW-02 ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	PID Reading (ppm)	Sample Description	Notes
1	3 1 1 2	S-1	0-2	17	2	0.8	Very loose, brown sand and gravel, wet (FILL)	Standing water at surface
3	3 1 1 1	S-2	2-4	0	2	N/A		
5	2 2 4 9	S-3	4-6	38	6	6.0	Loose gray-brown, re-worked fine Gravel (rounded), some Sand, moist (FILL)	
7	8 6 3 5	S-4	6-8	58	9	4.7	...wet	
9	3 3 4 5	S-5	8-10	67	7	0.9		
11	1 3 4 4	S-6	10-12	63	7	24.1	Loose brown Sandy SILT, little fine Gravel, wet	
13	5 10 15 17	S-7	12-14	92	25	238	...Medium dense	
15	6 7 19 12	S-8	14-16	42	26	3914	Very stiff, brown-gray Clayey SILT, little Gravel (rounded and angular), wet	...hydrophobic dye confirms NAPL presence
16								

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 ev lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. B-2

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Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SJB Services
Sampling Method: 2' Split Spoon

TEST BORING NO. B-2

Ground Elevation: 99.39 Datum: Site Datum
Date Started: 5/6/2005 Date Ended: 5/6/2005
Borehole Depth: ~21.5' Borehole Diameter: 8.0"
Completion Method: ■ Well Installed MW-02 ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	PID Reading (ppm)	Sample Description	Notes
17	10 7 17 15	S-9	16-18	33	23	3512	...chemical-type odor	17 ...hydrophobic dye confirms NAPL presence
18								18
19	7 17 29	S-10	18-19.5	56	46	999+	...Hard, visible NAPL	19
20	50/1						Split spoon refusal @ 19.6'	20
21							Roller bit to 21.5 ft. to set monitoring well sump.	21
22							Bottom of boring 21.5 ft.	22

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 ev lamp
4) NA = Not Available or Not Applicable

TEST BORING NO. B-2

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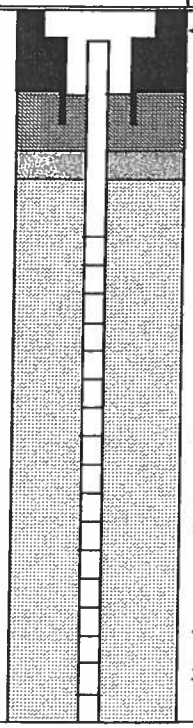
MONITORING WELL INSTALLATION LOG

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: C. Davidson
Drilling Contractor: SJB Services

MONITORING WELL NO. MW-02

Ground Elevation: 99.39 Datum: Site Datum
Date Started: 5/6/2005 Date Ended: 5/6/2005

Refer to Test Boring Log B-1 for Soil Description



Flush Mounted Roadbox
_____ Depth to Top of Riser Pipe (ft)
2.0 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Grout (2.0' to 7.0')

7.0 Depth to Top of Bentonite Seal (ft)
12.0 Depth to Bottom of Bentonite Seal (ft)

14.5 Depth to Top of Well Screen (ft)

8.0 Diameter of Borehole (in)

Backfill Type SAND

2.0 Inside Diameter of Well (in)

Type of Pipe Stainless Steel
Screen slot size 0.01 mm

19.5 Depth to Bottom of Well Screen (ft)

~21.5 Depth of Borehole (ft)

Notes: 2' solid sump was added to the bottom of the screen 19.5' to 21.5'.

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL NO. MW-02

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AN AFFILIATE OF DAY ENGINEERING, P.C

Project #:	3563S-04
Project Address:	5 Hunt Road
	Jamestown, NY
DAY Representative:	C. Davidson
Drilling Contractor:	SJB Services
Sampling Method:	2' Split Spoon

TEST BORING NO. B-3

Ground Elevation:	97.56	Datum:	Site Datum
Date Started:	5/5/2005	Date Ended:	5/5/2005
Borehole Depth:	21.1'	Borehole Diameter:	8.0"

Completion Method: ■ Well Installed MW-03 ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	PID Reading (ppm)	Sample Description	Notes
1	5 5 5 3	S-1	0-2	42	10	345	Loose brown-black Sandy Silt intermixed with trace Concrete, Brick, Asphalt, Gravel, moist (FILL)	
2							...chemical type odor	
3	2 3 2 1	S-2	2-4	29	5	507		
4								
5	3 1 3 3	S-3	4-6	63	4	204	Medium dense, brown-gray Sandy SILT, trace fine Gravel (rounded), moist	
6								
7	5 5 5 9	S-4	6-8	100	10	30.3		
8							...wet, no odors	
9	2 6 12 9	S-5	8-10	50	18	N/A	...seam of fine Gravel	
10								
11	8 12 11 16	S-6	10-12	58	23	16.4		
12								
13	12 5 6 6	S-7	12-14	50	11	4.7		
14								
15	6 18 6 8	S-8	14-16	17	24	14.8		
16								

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 ev lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. B-3

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Project #:	3563S-04
Project Address:	5 Hunt Road
	Jamestown, NY
DAY Representative:	C. Davidson
Drilling Contractor:	SJB Services
Sampling Method:	2' Split Spoon

TEST BORING NO. B-3

Ground Elevation:	97.56	Datum:	Site Datum
Date Started:	5/5/2005	Date Ended:	5/5/2005
Borehole Depth:	21.1'	Borehole Diameter:	8.0"

Completion Method: ■ Well Installed MW-03 ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	PID Reading (ppm)	Sample Description	Notes
17	7 6 8 10	S-9	16-18	33	14	2.6	Stiff, gray-green, Clayey SILT, trace fine Gravel, wet	17
18							...Shale fragments	18
19	8 24 14 18	S-10	18-20	63	38	5.9	...Hard	19
20	20 32	S-11	20-21	42	30+	6.3		20
21	50/1						Split spoon refusal @ 21.1'	21

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 ev lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. B-3

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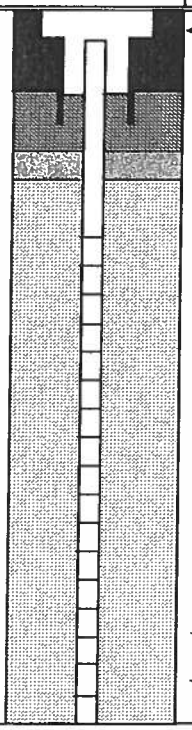
MONITORING WELL INSTALLATION LOG

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: C. Davidson
Drilling Contractor: SJB Services

MONITORING WELL NO.MW-03

Ground Elevation: 97.56 Datum: Site Datum
Date Started: 5/5/2005 Date Ended: 5/5/2005

Refer to Test Boring Log B-1 for Soil Description



Flush Mounted Roadbox
_____ Depth to Top of Riser Pipe (ft)
2.0 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Grout (2.0' to 8.0')

8.0 Depth to Top of Bentonite Seal (ft)
13.0 Depth to Bottom of Bentonite Seal (ft)

16.0 Depth to Top of Well Screen (ft)

8.0 Diameter of Borehole (in)

Backfill Type SAND

2.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 0.01 mm

21.0 Depth to Bottom of Well Screen (ft)

21.1 Depth of Borehole (ft)

Notes:

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL NO. MW-03

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Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SJB Services
Sampling Method: 2' Split Spoon

TEST BORING NO. B-4

Ground Elevation: 97.59 Datum: Site Datum
Date Started: 5/4/2005 Date Ended: 5/4/2005
Borehole Depth: 20.2' Borehole Diameter: 8.0"
Completion Method: ■ Well Installed MW-04 ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	PID Reading (ppm)	Sample Description	Notes
1	2 2 5 5	S-1	0-2	50	7	0.0	Loose black Sandy Silt, intermixed with trace Brick, fine Gravel, Asphalt, moist (FILL)	
3	2 3 1 2	S-2	2-4	46	4	11.6	...slight petroluem-type odor	
5	3 2 2 3	S-3	4-6	21	4	1.4	...piece of wood	
7	9 9 8 8	S-4	6-8	33	17	0.2	...Medium dense	
9	3 3 5 6	S-5	8-10	25	8	0.0	Loose, light brown, fine Sandy SILT, trace fine Gravel, moist	
11	7 6 15 9	S-6	10-12	42	21	0.0	...wet ...Medium dense	
13	6 4 4 5	S-7	12-14	88	8	0.0		
15	9 10 20 12	S-8	14-16	50	30	0.0	...Sand seam	

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 ev lamp
4) NA = Not Available or Not Applicable

TEST BORING NO. B-4

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Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SJB Services
Sampling Method: 2' Split Spoon

TEST BORING NO. B-4

Ground Elevation: 97.59 Datum: Site Datum
Date Started: 5/4/2005 Date Ended: 5/4/2005
Borehole Depth: 20.2' Borehole Diameter: 8.0"
Completion Method: ■ Well Installed MW-04 ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	PID Reading (ppm)	Sample Description	Notes
17	16 15 11 9	S-9	16-18	42	26	0.8		17
18	3 8 14 22	S-10	18-20	92	22	3.7	...gray/brown	18
19								19
20	50/2						...Shale fragments Split spoon refusal @ 20.2'	20

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp
4) NA = Not Available or Not Applicable

TEST BORING NO. B-4

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AN AFFILIATE OF DAY ENGINEERING, P.C

MONITORING WELL INSTALLATION LOG

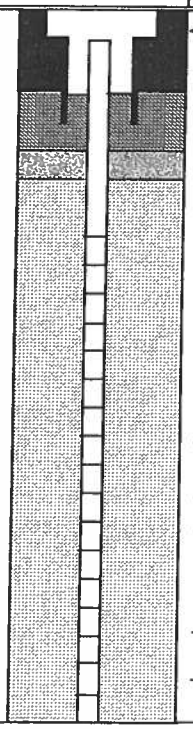
Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: C. Davidson
Drilling Contractor: SJB Services

MONITORING WELL NO. MW-04

Ground Elevation: 97.59 Datum: Site Datum
Date Started: 5/4/2005 Date Ended: 5/4/2005

Page 1 of 1

Refer to Test Boring Log B-1 for Soil Description



Flush Mounted Roadbox
0.3 Depth to Top of Riser Pipe (ft)
2.0 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Grout

8.0 Depth to Top of Bentonite Seal (ft)
12.0 Depth to Bottom of Bentonite Seal (ft)

15.0 Depth to Top of Well Screen (ft)

8.0 Diameter of Borehole (in)

Backfill Type SAND

2.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 0.01 mm

20.0 Depth to Bottom of Well Screen (ft)

20.2 Depth of Borehole (ft)

Notes:

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL NO. MW-04

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AN AFFILIATE OF DAY ENGINEERING, P.C

Project #:	3563S-04
Project Address:	5 Hunt Road
	Jamestown, NY
DAY Representative:	C. Davidson
Drilling Contractor:	SJB Services
Sampling Method:	2' Split Spoon

TEST BORING NO. B-5

Page 1 of 1

Ground Elevation: 97.13 Datum: Site Datum

Date Started: 5/3/2005 Date Ended: 5/3/2005

Borehole Depth: 17.0' Borehole Diameter: 8.0"

Completion Method: ■ Well Installed MW-05 ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	PID Reading (ppm)	Sample Description	Notes
1	1 2 2 2	S-1	0-2	4	4	0.0	TOPSOIL Loose brown Sandy SILT, trace Organics (roots), moist	
2								
3	2 3 8 9	S-2	2-4	50	11	0.0	Stiff, light brown Clayey SILT, trace Gravel, moist	
4							...mottled gray, red, light brown	
5	4 5 8 6	S-3	4-6	75	13	0.0		
6								
7	5 9 7 7	S-4	6-8	71	16	0.0	...Very stiff	
8							Stiff brown-gray, Silty CLAY, trace fine Gravel, moist	
9	3 4 7 8	S-5	8-10	54	11	0.0		
10								
11	6 12 14 12	S-6	10-12	46	26	0.0	...Very stiff	
12							...wet	
13	14 15 20 25	S-7	12-14	38	35	0.0	...Hard	
14							...some Gravel, little Shale fragments	
15	10 22 41 45	S-8	14-16	21	63	0.0		
16	50/3	S-9	16-17	0	-	N/A	Weathered Shale fragments in cutting shoe.	
17							Split spoon refusal @ 16.3';augered to 17.0'	

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 ev lamp
4) NA = Not Available or Not Applicable

TEST BORING NO. B-5

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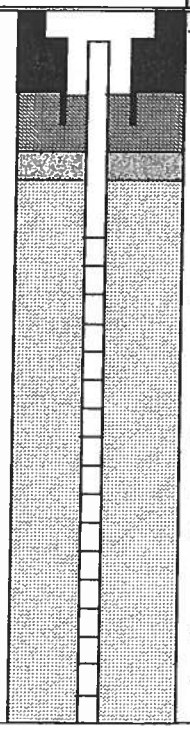
MONITORING WELL INSTALLATION LOG

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: C. Davidson
Drilling Contractor: SJB Services

MONITORING WELL NO. MW-05

Ground Elevation: 97.13 Datum: Site Datum
Date Started: 5/3/2005 Date Ended: 5/3/2005

Refer to Test Boring Log B-1 for Soil Description



Flush Mounted Roadbox
0.2 Depth to Top of Riser Pipe (ft)
2.0 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Grout

6.5 Depth to Top of Bentonite Seal (ft)
8.5 Depth to Bottom of Bentonite Seal (ft)

11.0 Depth to Top of Well Screen (ft)

8.0 Diameter of Borehole (in)

Backfill Type SAND

2.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 0.01 mm

16.0 Depth to Bottom of Well Screen (ft)

17.0 Depth of Borehole (ft)

Notes:

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL NO. MW-05

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Project #:	3563S-04
Project Address:	5 Hunt Road
	Jamestown, NY
DAY Representative:	C. Davidson
Drilling Contractor:	SJB Services
Sampling Method:	2' Split Spoon

TEST BORING NO. B-6

Ground Elevation:	97.01	Datum:	Site Datum
Date Started:	5/3/2005	Date Ended:	5/3/2005
Borehole Depth:	23.0'	Borehole Diameter:	8.0"

Completion Method: ■ Well Installed MW-06 ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	PID Reading (ppm)	Sample Description	Notes
1	1 4 3 4	S-1	0-2	17	7	0.0	TOPSOIL Loose brown Sandy Silt, trace fine Gravel with intermixed Brick, Organics (roots), moist (FILL)	
2								
3	4 4 4 6	S-2	2-4	33	8	0.0	..Concrete piece	
4								
5	3 3 11 14	S-3	4-6	29	14	7.4	Medium dense light brown Sandy SILT, trace fine Gravel, wet	
6							...some fine Gravel	
7	15 18 18 20	S-4	6-8	33	36	3.4	...Dense	
8								No Recovery
9	6 6 7 8	S-5	8-10	0	12	N/A	...Medium dense	
10								
11	5 6 7 7	S-6	10-12	58	13	9.4		
12								
13	40 22 20 20	S-7	12-14	50	42	14.8	...Dense	
14							...fine Gravel seam	
15	10 19 21 21	S-8	14-16	63	41	5.9	Hard brown-gray Silty CLAY, some Gravel, wet	
16								

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. B-6

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Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SJB Services
Sampling Method: 2' Split Spoon

TEST BORING NO. B-6

Ground Elevation: 97.01 Datum: Site Datum
Date Started: 5/3/2005 Date Ended: 5/3/2005
Borehole Depth: 23.0' Borehole Diameter: 8.0"
Completion Method: ■ Well Installed MW-06 ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	PID Reading (ppm)	Sample Description	Notes
17	2 19 22 25	S-9	16-18	25	41	5.9		17
18	7 7 14 15	S-10	18-20	33	21	45.1	...Very stiff	18
19	3 6 14 19	S-11	20-22	50	20	66.4		19
20	25 50/3	S-12	22-23	0	N/A	N/A	Weathered BEDROCK, chemical odor	20
21							Split spoon refusal @ 22.8'; augered to 23.0'	21
22								22
23								23

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp
4) NA = Not Available or Not Applicable

TEST BORING NO. B-6

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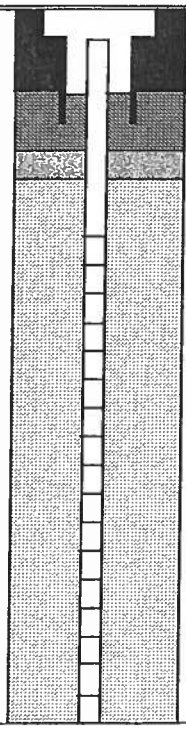
MONITORING WELL INSTALLATION LOG

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: C. Davidson
Drilling Contractor: SJB Services

MONITORING WELL NO. MW-06

Ground Elevation: 97.01 Datum: Site Datum
Date Started: 5/3/2005 Date Ended: 5/3/2005

Refer to Test Boring Log B-1 for Soil Description



←Flush Mounted Roadbox
0.3 Depth to Top of Riser Pipe (ft)
2.0 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Grout

8.0 Depth to Top of Bentonite Seal (ft)
14.0 Depth to Bottom of Bentonite Seal (ft)

18.0 Depth to Top of Well Screen (ft)

8.0 Diameter of Borehole (in)

Backfill Type SAND

2.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 0.01 mm

23.0 Depth to Bottom of Well Screen (ft)

23.0 Depth of Borehole (ft)

Notes:

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL NO. MW-06

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Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: SJB Services
Sampling Method: 2' Split Spoon

TEST BORING NO. B-7

Page 1 of 1

Ground Elevation: N/A Datum: N/A
Date Started: 5/1/2005 Date Ended: 5/3/2005
Borehole Depth: 16.4' Borehole Diameter: 8.0"
Completion Method: ☐ Well Installed ■ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	PID Reading (ppm)	Sample Description	Notes
1	5 5 3 3	S-1	0-2	54	8	0.0	0.1' - thick Asphalt layer above Sand and Gravel sub-base, moist	
2							Medium dense, brown-gray Sandy SILT, some fine Gravel, moist	
3	6 5 7 7	S-2	2-4	42	13	0.0		
4							...light brown, trace fine Gravel	
5	6 10 9 8	S-3	4-6	38	19	0.0		
6								
7	11 7 5 7	S-4	6-8	46	13	0.0		
8								
9	3 7 5 6	S-5	8-10	50	13	0.0		
10							...wet, some coarse Gravel	
11	6 8 6 8	S-6	10-12	75	14	0.0		
12								
13	18 9 7 12	S-7	12-14	83	16	0.0	Very stiff, brown-gray, Clayey SILT, trace fine Gravel, wet	
14								
15	14 17 18 50/3	S-8	14-16	50	35	0.0	...Hard	
16	50/4						Split spoon refusal @ 16.4'	

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 ev lamp
4) NA = Not Available or Not Applicable

TEST BORING NO. B-7

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Project #:	3563S-04		
Project Address:	5 Hunt Road		
	Jamestown, NY		
DAY Representative:	C. Davidson		
Drilling Contractor:	Marcor		
Sampling Method:	Direct Push		

TEST BORING NO. B-8

Page 1 of 1

Ground Elevation:	N/A	Datum:	N/A
Date Started:	5/23/2005	Date Ended:	5/23/2005
Borehole Depth:	15.5	Borehole Diameter:	

Completion Method: ☐ Well Installed ■ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	FID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	50	NA	0	Concrete Brown-gray, Sand and Gravel intermixed with Brick fragments, wet (FILL)	
2						0		
3								
4						10.2	...slight chemical type odor	
5	NA	S-2	4-8	75	NA	38.4		
6						50.3	Brown-gray Sandy SILT, trace Gravel, wet	
7								
8						3.78		
9	NA	S-3	8-12	50	NA	5.1		
10						2.4		
11							...coarse Sand seam ...brown	
12						2.3		
13	NA	S-4	12-15.5	10	NA	0.0		
14						0.0		
15								
16						0.0	Refusal @ 15.5'	

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp
4) NA = Not Available or Not Applicable

TEST BORING NO. 8

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Project #:	3563S-04
Project Address:	5 Hunt Road
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DAY Representative:	C. Davidson
Drilling Contractor:	Marcor
Sampling Method:	Direct Push

TEST BORING NO. B-9

Page 1 of 1

Ground Elevation:	N/A	Datum:	N/A
Date Started:	5/23/2005	Date Ended:	5/23/2005
Borehole Depth:	12.0'	Borehole Diameter:	2.25

Completion Method: ☐ Well Installed ■ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	FID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-4	5	NA	0.0	Concrete Brown Sand and Gravel, moist (FILL)	1
2								2
3						0.0		3
4								4
5	NA	S-2	4-8	50	NA	N/A	Brown-gray Sandy SILT, trace fine Gravel, Organics (Peat), wet	5
6								6
7								7
8	NA	S-3	8-12	75	NA	0.0	...brown	8
9								9
10						0.0		10
11								11
12						0.0		12
							Refusal @ 12.0'	

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a Minirae 2000 equipped with a 10.6 ev lamp.
4) NA = Not Available or Not Applicable

TEST BORING NO. 9

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Project #: 3563S-04
Project Address: 5 Hunt Road
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DAY Representative: C. Davidson
Drilling Contractor: Marcor
Sampling Method: Direct Push

TEST BORING NO. B-10

Page 1 of 1

Ground Elevation: 97.72 Datum: Site Datum
Date Started: 5/23/2005 Date Ended: 5/23/2005
Borehole Depth: 12.0' Borehole Diameter: 2.25
Completion Method: ■ Well Installed MW-07 ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	FID Reading (ppm)	Sample Description	Notes
1							Asphalt	
2	NA	S-1	0-4	50	NA	N/A	Brown-gray fine Sandy Silt, trace Gravel, moist ...wet	
3								
4								
5							Brown-gray Sandy SILT, trace rounded Gravel, Organics (Peat), wet	
6	NA	S-2	4-8	75	NA	N/A		
7								
8							...no Organics	
9								
10	NA	S-3	8-12	50	NA	N/A	...fine Gravel seam	
11								
12							Complete @ 12.0'	

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp
4) NA = Not Available or Not Applicable

TEST BORING NO. 10

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MONITORING WELL INSTALLATION LOG

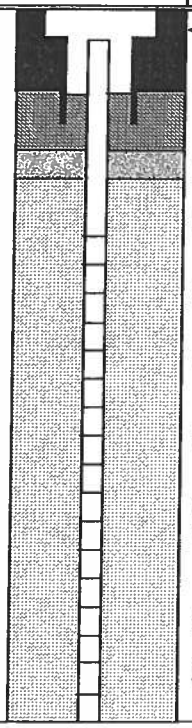
Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: C. Davidson
Drilling Contractor: Marcor

MONITORING WELL NO. MW-07

Ground Elevation: 97.72 Datum: Site Datum
Date Started: 5/23/2005 Date Ended: 5/23/2005

Page 1of 1

Refer to Test Boring Log TB- ~ for Soil Description



←Flush Mounted Roadbox
N/A Depth to Top of Riser Pipe (ft)
0.5 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Bentonite

0.5 Depth to Top of Bentonite Seal (ft)
1.5 Depth to Bottom of Bentonite Seal (ft)

2.0 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 0.01 mm

12.0 Depth to Bottom of Well Screen (ft)

12.0 Depth of Borehole (ft)

Notes:

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL NO. MW-07

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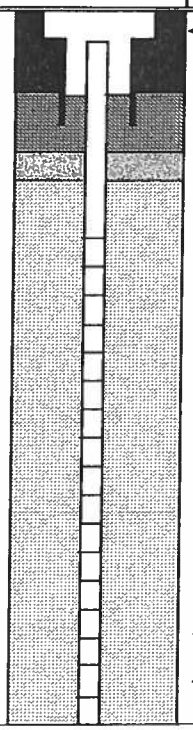
MONITORING WELL INSTALLATION LOG

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: C. Davidson
Drilling Contractor: Marcor

MONITORING WELL NO. MW-08

Ground Elevation: 99.42 Datum: Site Datum
Date Started: 5/23/2005 Date Ended: 5/23/2005

Refer to Test Boring Log TB- - for Soil Description



←Flush Mounted Roadbox
N/A Depth to Top of Riser Pipe (ft)
0.5 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Bentonite

0.5 Depth to Top of Bentonite Seal (ft)
1.5 Depth to Bottom of Bentonite Seal (ft)

2.0 Depth to Top of Well Screen (ft)

2.25 Diameter of Borehole (in)

Backfill Type Sand

1.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 0.01 mm

12.0 Depth to Bottom of Well Screen (ft)

12.0 Depth of Borehole (ft)

Notes:

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL NO. MW-08

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AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: Marcor
Sampling Method: Direct Push

TEST BORING NO. B-11

Page 1 of 1

Ground Elevation: 99.42 Datum: Site Datum
Date Started: 5/23/2005 Date Ended: 5/23/2005
Borehole Depth: 12.0' Borehole Diameter: 2.25
Completion Method: ■ Well Installed MW-08 ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	FID Reading (ppm)	Sample Description	Notes
1						0.0	Topsoil	
2	NA	S-1	0-4	50	NA	0.0	Brown reworked Sand and Gravel, damp (FILL)	
3							...moist	
4						0.0	PEAT	
5						0.0	Brown-gray fine Sandy SILT, trace fine Gravel, moist	
6	NA	S-2	4-8	40	NA	0.0	...wet	
7						0.0	...coarse Gravel seam	
8								
9						0.0		
10	NA	S-3	8-12	36	NA	0.0		
11						0.0	...fine and coarse Gravel seam	
12							Refusal @ 12.0'	

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp
4) NA = Not Available or Not Applicable

TEST BORING NO. 11

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TEST BORINGS

TB-200 THRU TB-206

MONITORING WELLS

MW-200 THRU MW-204

4/6/2006 THRU 7/5/2006

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DAY ENVIRONMENTAL, INC.

AN AFFILIATE OF DAY ENGINEERING, P.C

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: Marcor
Sampling Method: Direct Push

TEST BORING TB-200

Page 1 of 1

Ground Elevation: NA Datum: NA
Date Started: 4/6/2006 Date Ended: 4/6/2006
Borehole Depth: 16.5' Borehole Diameter: 2.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date/Time):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Asphalt with Stone sub-base	
2	NA	S-1	0-4	71	NA	0.0	0.0	Light brown Sandy SILT, trace Gravel, moist	
3								…little Gravel	
4							0.0	…dark gray Organic lens (Wood)	
5							0.0	Gray and brown mottled Clayey SILT, trace Gravel, wet	
6	NA	S-2	4-8	65	NA	0.0	0.0	…Clay lens	
7								…Gravel lens	
8							0.0		
9							0.0		
10	NA	S-3	8-12	88	NA	0.0	0.0	…brown Gravel lens	
11									
12							0.0		
13							0.0	…Gravel lens	
14	NA	S-4	12-16	92	NA	0.0	0.0		
15								…gray, some rounded Gravel	
16	NA	S-5	16-16.5	100	NA	NA	0.0		
								Refusal @ 16.5'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING TB-200

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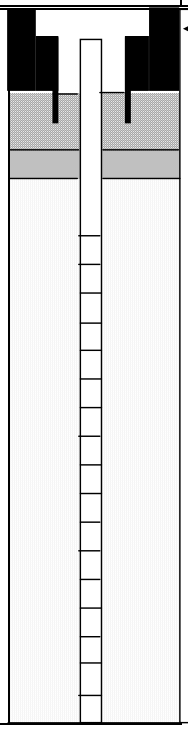
MONITORING WELL INSTALLATION LOG

Project #: 3563R-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: C. Davidson
Drilling Contractor: Marcor

MONITORING WELL MW-200

Ground Elevation: NA Datum: NA
Date Started: 4/6/2006 Date Ended: 4/6/2006
Water Level (Date/Time): _____

Refer to Test Boring Log TB-200 for Soil Description



Flush Mounted Roadbox
_____ Depth to Top of Riser Pipe (ft)
1.0' Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Concrete

1.0' Depth to Top of Bentonite Seal (ft)
3.0' Depth to Bottom of Bentonite Seal (ft)

10.8' Depth to Top of Well Screen (ft)

2.25" Diameter of Borehole (in)

Backfill Type Sand

1.0" Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10

15.8' Depth to Bottom of Well Screen (ft)

16.0' Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-200

Davidson/My Documents/Monitoring Well Installation Logs for 3563R-04 MW-200

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Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: Marcor
Sampling Method: Direct Push

TEST BORING TB-201

Ground Elevation: NA Datum: NA
Date Started: 4/6/2006 Date Ended: 4/6/2006
Borehole Depth: 6.0' Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Asphalt with Stone sub-base	
2	NA	S-1	0-4	92	NA	0.0	0.0	Brown reworked Sandy Silt, trace Gravel, moist (FILL)	
3									
4							0.0		
5	NA	S-2	4-6	50	NA	NA	0.0	…wet	
6							0.0	…Brick fragments	
								Refusal @ 6.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING TB-201

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Project #: 3563S-04
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DAY Representative: C. Davidson
Drilling Contractor: Marcor
Sampling Method: Direct Push

TEST BORING TB-202

Page 1 of 1

Ground Elevation: NA Datum: NA
Date Started: 4/6/2006 Date Ended: 4/6/2006
Borehole Depth: 14.0' Borehole Diameter: 2.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date/Time):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
0							0.0	Asphalt with Stone sub-base	
1									
2	NA	S-1	0-4	92	NA	0.0	0.0	Brown Sandy SILT, trace Gravel, moist	
3								…Gravel lens	
4							0.0	…dark brown Organic lens (PEAT), wet	
5							0.0		
6	NA	S-2	4-8	83	NA	308	1.2		
7								…Gravel layer (6.5' to 8.0')	
8							8.0		
9							12.9	Brown Sandy SILT, trace Gravel, wet	
10	NA	S-3	8-12	100	NA	74.1	30.0		
11									
12							3.1	…gray	
13							2.1		
14	NA	S-4	12-14	100	NA	8.9	0.0		
15								Complete @ 14.0'	
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING TB-202

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Project #: 3563R-04
Project Address: 5 Hunt Road
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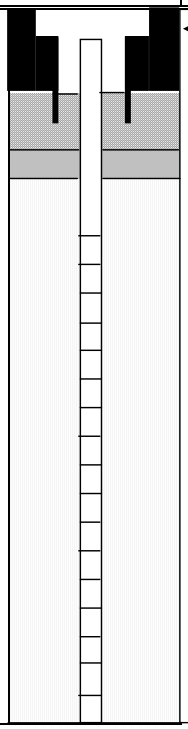
DAY Representative: C. Davidson
Drilling Contractor: Marcor

MONITORING WELL MW-201

Ground Elevation: NA Datum: NA
Date Started: 4/6/2006 Date Ended: 4/6/2006
Water Level (Date/Time): _____

Refer to Test Boring Log TB-202 for Soil Description



Flush Mounted Roadbox
_____ Depth to Top of Riser Pipe (ft)
1.0' Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Concrete

1.0' Depth to Top of Bentonite Seal (ft)
3.0' Depth to Bottom of Bentonite Seal (ft)

9.0' Depth to Top of Well Screen (ft)

2.25" Diameter of Borehole (in)

Backfill Type Sand

1.0" Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 10

14.0' Depth to Bottom of Well Screen (ft)

14.0' Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-201

Davidson/My Documents/Monitoring Well Installation Logs for 3563R-04 MW-200

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DAY Representative: C. Davidson
Drilling Contractor: Marcor
Sampling Method: Direct Push

TEST BORING TB-203

Page 1 of 1

Ground Elevation: NA Datum: NA
Date Started: 4/6/2006 Date Ended: 4/6/2006
Borehole Depth: 12.5' Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Organics (Roots)	
								Brown Sandy SILT, some Gravel, moist	
2	NA	S-1	0-4	65	NA	0.0	0.0		
								…gray	
3									
4							0.0		
5							0.0	…Dark brown Organic lens (PEAT), wet	
6	NA	S-2	4-8	73	NA	0.0	0.0		
								…Gravel lens	
7									
8							0.0		
9							0.0	Brown to gray mottled Clayey SILT, trace Gravel, wet	
10	NA	S-3	8-12	100	NA	0.0	0.0		
11									
12							0.0		
								Refusal at 12.0'	
13									
14									
15									
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING TB-203

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Project Address: 5 Hunt Road
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DAY Representative: C. Davidson
Drilling Contractor: Marcor
Sampling Method: Direct Push

TEST BORING TB-204

Ground Elevation: NA
Datum: NA
Date Started: 4/6/2006
Date Ended: 4/6/2006
Borehole Depth: 15.0'
Borehole Diameter: 2.25"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date/Time):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1							0.0	Brown (TOPSOIL), moist	
2	NA	S-1	0-4	50	NA	0.0	0.0	Brown Sandy SILT, trace Gravel, moist	
3									
4							0.0	…Organic lens (Wood), (PEAT), wet	
5							0.0		
6	NA	S-2	4-8	50	NA	0.0	0.0		
7									
8							0.0	…Gravel lens	
9							0.0		
10	NA	S-3	8-12	100	NA	0.0	0.0		
11								Gray Clayey SILT, trace Gravel, wet	
12							0.0		
13	NA	S-4	12-15	NA	NA	NA	0.0		
14									
15							0.0		
16								Refusal @ 15.0'	

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING TB-204

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MONITORING WELL INSTALLATION LOG

Project #: 3563R-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: C. Davidson
Drilling Contractor: Marcor

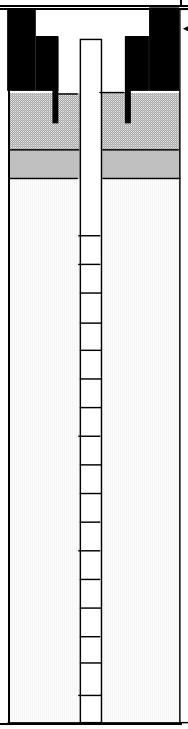
MONITORING WELL MW-203

Ground Elevation: NA Datum: NA

Page 1 of 1

Date Started: 4/6/2006 Date Ended: 4/6/2006

Water Level (Date/Time): _____



Flush Mounted Roadbox

_____ Depth to Top of Riser Pipe (ft)

1.0' Depth to Bottom of Cement Surface Patch (ft)

Backfill Type Concrete

1.0' Depth to Top of Bentonite Seal (ft)

3.0' Depth to Bottom of Bentonite Seal (ft)

4.0' Depth to Top of Well Screen (ft)

2.25" Diameter of Borehole (in)

Backfill Type Sand

1.0" Inside Diameter of Well (in)

Type of Pipe PVC

Screen slot size 10

14.0' Depth to Bottom of Well Screen (ft)

14.0' Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-203

Davidson/My Documents/Monitoring Well Installation Logs for 3563R-04 MW-200

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Project #: 3563S-04
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DAY Representative: C. Davidson
Drilling Contractor: Marcor
Sampling Method: Direct Push

TEST BORING TB-205

Page 1 of 1

Ground Elevation: NA Datum: NA
Date Started: 4/6/2006 Date Ended: 4/6/2006
Borehole Depth: 11.0' Borehole Diameter: 2.25"
Completion Method: ☐ Well Installed ☐ Backfilled with Grout ■ Backfilled with Cuttings
Water Level (Date/Time):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
0							0.0	Asphalt with Stone sub-base	
1								Brown Sandy SILT, trace Gravel, moist	
2	NA	S-1	0-4	50	NA	NA	0.0		
3									
4							0.0	…wet	
5							0.0	…PEAT lens	
6	NA	S-2	4-8	100	NA	0.0	0.0		
7									
8							0.0	…Gravel lens	
9							0.0		
10	NA	S-3	8-11	100	NA	0.0	0.0		
11							0.0	…no Gravel	
								Refusal @ 11.0'	
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING TB-205

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Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, NY
DAY Representative: C. Davidson
Drilling Contractor: --
Sampling Method: Direct Push

TEST BORING TB-206 (MW-203)

Ground Elevation: NA Datum: NA
Date Started: 6/28/06 10:00 a.m. Date Ended: 6/28/2006
Borehole Depth: 14.0 Borehole Diameter: 1.5"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date/Time): NA

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace (ppm)	PID Reading (ppm)	Sample Description	Notes
1	NA	S-1	0-2	100	NA	0.0	0.0 0.0	Asphalt with Sub-base Brown to green sandy SILT, trace Gravel, trace Bricks, moist (FILL)	-
2									-
3	NA	S-2	2-4	58	NA	0.0	0.0 0.0		-
4								… Organics (wood) lens 4-5.5'	-
5	NA	S-3	4-6	50	NA	0.0	0.0 0.0	…gravel seam	-
6								Light brown silty fine SAND, trace gravel, wet	-
7	NA	S-4	6-8	75	NA	0.0	0.0 0.0		-
8									-
9	NA	S-5	8-10	NA	NA	0.0	0.0 0.0		-
10									-
11	NA	S-6	10-12	NA	NA	0.0	0.0 0.0		-
12									-
13	NA	S-7	12-14	NA	NA	0.0	0.0 0.0		-
14									-
15								Complete @ 14.0'	-
16									-

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING TB-206 (MW-203)

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MONITORING WELL INSTALLATION LOG

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: C. Davidson
Drilling Contractor: NA

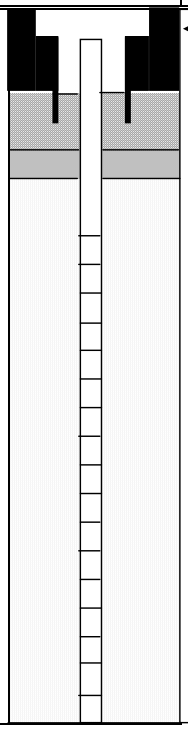
MONITORING WELL NO. TB-206 (MW-203)

Ground Elevation: NA Datum: NA

Date Started: 6/28/2006 Date Ended: 6/28//2006

Page 1 of 1

Refer to Test Boring Log TB-203 (MW-206) for Soil Description



←Flush Mounted Roadbox

~0.3 Depth to Top of Riser Pipe (ft)

~0.8 Depth to Bottom of Cement Surface Patch (ft)

Backfill Type Bentonite

~0.8 Depth to Top of Bentonite Seal (ft)

~2.0 Depth to Bottom of Bentonite Seal (ft)

~5.5 Depth to Top of Well Screen (ft)

~2.25 Diameter of Borehole (in)

Backfill Type Indigenous Sands

~1.0 Inside Diameter of Well (in)

Type of Pipe PVC

Screen slot size 0.01 mm

~9.5 Depth to Bottom of Well Screen (ft)

~14.0 Depth of Borehole (ft)

Notes:

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL NO. TB-206 (MW-203)

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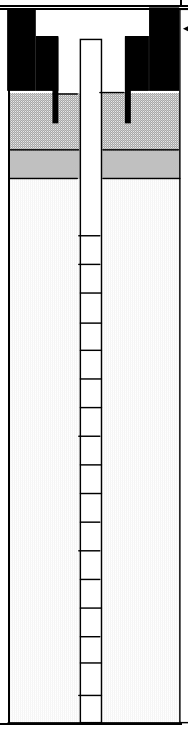
MONITORING WELL INSTALLATION LOG

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative:
Drilling Contractor: NA

MONITORING WELL MW-204

Ground Elevation: NA Datum: NA
Date Started: 7/5/2006 Date Ended: 7/5/2006



←——Flush Mounted Roadbox
~NA Depth to Top of Riser Pipe (ft)
NA Depth to Bottom of Cement Surface Patch (ft)
Backfill Type Bentonite

~0.8 Depth to Top of Bentonite Seal (ft)
~9.1 Depth to Bottom of Bentonite Seal (ft)

~11.1 Depth to Top of Well Screen (ft)

~8.0 Diameter of Borehole (in)

Backfill Type Indigenous Sands

~4.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size 0.01 mm

~16.1 Depth to Bottom of Well Screen (ft)

~16.3 Depth of Borehole (ft)

Notes:

Notes: 1) Water level observations were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-204

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TEST BORINGS

TB-207 THRU TB-211

MONITORING WELLS

MW-205 THRU MW-209

12/27/2006 THRU 12/28/2006

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Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: R. Kampff
Drilling Contractor: SJB Services
Sampling Method: 2" Split Spoon

TEST BORING TB-207 / MW-205

Ground Elevation: Datum:
Date Started: 12/27/2006 Date Ended: 12/27/2006
Borehole Depth: 18.8' Borehole Diameter: 11-inch
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	1 1 1 2	S-1	0-2		3	0		TOPSOIL AND ROOTS 0 - 0.2 feet Very Loose, Brown, Silty, fine Sand, little Gravel, moist (FILL)	
3	1 1 1 2	S-2	2-4		2	0.3		… Dark Brown/Black, Septic-type Odor	
5	2 4 4 5	S-3	4-6	58	8	1769	446	Loose, Tan/Brown, Clayey SAND, some Silt, trace Gravel, moist	…chemical odor
7	5 5 6 5	S-4	6-8		11	9999+		… Medium Dense, little GRAVEL	…strong chemical odor
9	3 4 4 5	S-5	8-10		8	1435	465		
10								Medium Stiff, Brown, clayey SILT, some fine Sand, little Gravel, moist	…chemical odor
11	4 5 3 2	S-6	10-12	100	8	88.7	40.6	…wet	
13	1 1 2 4	S-7	12-14		3	26.0	30.9		
14								Very loose, Brown, Sandy GRAVEL, some Silt, trace Clay, wet	
15	5 9 12 12	S-8	14-16	83	21	35.9	0	Medium Dense, mottled Brown/Tan, Silty SAND, little Gravel, little Clay, wet (TILL)	
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING TB-207 / MW-205

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Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: R. Kampff
Drilling Contractor: SJB Services
Sampling Method: 2" Split Spoon

TEST BORING TB-207 / MW-205

Ground Elevation: Datum:
Date Started: 12/27/2006 Date Ended: 12/27/2006
Borehole Depth: 18.8' Borehole Diameter: 11-inch
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	10 12 14 17	S-9	16-18	58	26	55.0		Very Stiff, Gray/Brown, Clayey SILT, some Gravel/fractured Rock, little Silt, wet (TILL)	
18	22	5-10	18-18.8	100	50+	370/337		…weathered/broken Rock fragments (shale)	
19	50/.3							Bottom of Hole 18.8 feet - Split Spoon Refusal	
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING TB-207 / MW-205

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MONITORING WELL INSTALLATION LOG

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: Ray Kampff
Drilling Contractor: SJB Services

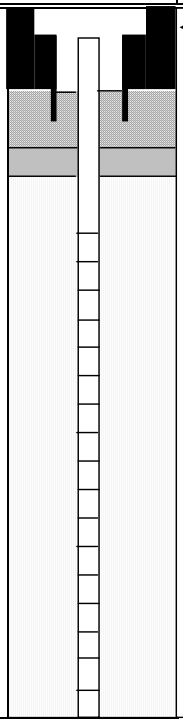
MONITORING WELL MW-205

Page 1 of 1

Ground Elevation: _____ Datum: _____
Date Started: 12/27/2006 Date Ended: 12/27/2006

Water Level (Date/Time): _____

Refer to Test Boring Log TB-207 (MW-205) for Soil Description



Flush Mounted Roadbox
_____ Depth to Top of Riser Pipe (ft)
2.0 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type _____

2.0 Depth to Top of Bentonite Seal (ft)
8.5 Depth to Bottom of Bentonite Seal (ft)

13.0 Depth to Top of Well Screen (ft)

11.0 Diameter of Borehole (in)

Backfill Type Sand

4.0 Inside Diameter of Well (in)

Type of Pipe Stainless Steel
Screen slot size #10

18.0 Depth to Bottom of Well Screen (ft)

18.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-205

nes0289(Anders 3563S-04) Well Installation Logs 12-28-06.xls

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TEST BORING TB-208 / MW-206

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: R. Kampff
Drilling Contractor: SJB Services
Sampling Method: 2" Split Spoon

Ground Elevation: Datum:
Date Started: 12/27/2006 Date Ended: 12/27/2006
Borehole Depth: 16.0' Borehole Diameter: 11-inch
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	3 4 3 4	S-1	0-2	65	2	20.3	0	0.1' Asphalt pavement Loose, Gray/Brown, Gravel, some Sand, Brick fragments (FILL)	
3	4 3 3 2	S-2	2-4	33	6	34.6	0	…clayey Sand, some Gravel (FILL)	
5	5 3 6 5	S-3	4-6	58	9	17.0	0	Loose, Gray/Brown Silty SAND, some Clay, moist	
7	5 4 5 7	S-4	6-8	60	9	10,0	0	…verves of Clayey SILT beginning at 6'	
9	9 11 12 12	S-5	8-10	75	23	24.9		Medium Dense, Brown, fine to medium SAND, some Silt, trace Clay, wet	
11	7 9 9 8	S-6	10-12	58	18	12.5		Medium Dense, mottled Brown/Tan, Sandy SILT, trace Clay, wet	
13	9 10 12 12	S-7	12-14	67	22	2.6		…Gravel lens @ 11.0'	
15	12 25 14 26	S-8	14-16	50	39	61	0	Dense, Brown, Silty SAND, some Clay, little Gravel, wet (TILL)	
16								Bottom of Hole 16.0'	

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING TB-208 / MW-206

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MONITORING WELL INSTALLATION LOG

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: Ray Kampff
Drilling Contractor: SJB Services

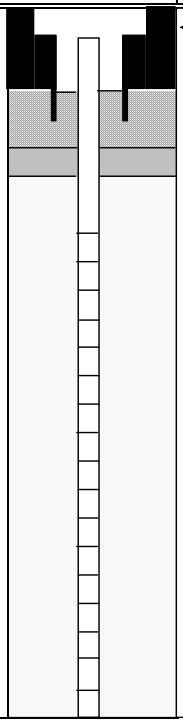
MONITORING WELL MW-206

Page 1 of 1

Ground Elevation: _____ Datum: _____
Date Started: 12/27/2006 Date Ended: 12/27/2006

Water Level (Date/Time): _____

Refer to Test Boring Log TB-208 (MW-206) for Soil Description



Flush Mounted Roadbox
_____ Depth to Top of Riser Pipe (ft)
2.0 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type _____

2.0 Depth to Top of Bentonite Seal (ft)
5.0 Depth to Bottom of Bentonite Seal (ft)

6.0 Depth to Top of Well Screen (ft)

11.0 Diameter of Borehole (in)

Backfill Type Sand

4.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size #10

16.0 Depth to Bottom of Well Screen (ft)

16.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-206

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Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: R. Kampff
Drilling Contractor: SJB Services
Sampling Method: 2" Split Spoon

TEST BORING TB-209 / MW-207

Ground Elevation: Datum:
Date Started: 12/28/2006 Date Ended: 12/28/2006
Borehole Depth: 14.0' Borehole Diameter: 11-inch
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	1 1 2 3	S-1	0-2	50	3	0	0	Very Loose, Brown, Clayey Silt, little Sand, trace Organics (roots), moist (FILL)	
2									
3	1 2 2 3	S-2	2-4	58	4	0	0	Black. TOPSOIL, original ground surface	
4									
5	4 4 5 7	S-3	4-6	100	5	646	6	Loose, Gray, clayey SILT, some Sand, moist	
6									
7	4 4 5 7	S-4	6-8	67	9	5.6	0	Loose, Gray, Silty SAND, some Clay, trace Gravel, moist	
8									
9	1 3 4	S-5	8-10	58	7	662			…chemical odor
	6							…little Gravel	
10								Loose, Brown, medium to coarse SAND	
11	3 5 8 8	S-6	10-12	50	13	585	158	Medium Dense, Brown, Silty SAND, trace Clay, moist	
12									
13	5 9 14 25	S-7	12-14	100	23	9999+	187 5,675		
14								Medium Dense, Brown, Silty SAND, little Clay, Rock fragments, wet (TILL)	
15								Bottom of Hole 14.0'	
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING TB-209 / MW-207

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MONITORING WELL INSTALLATION LOG

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: Ray Kampff
Drilling Contractor: SJB Services

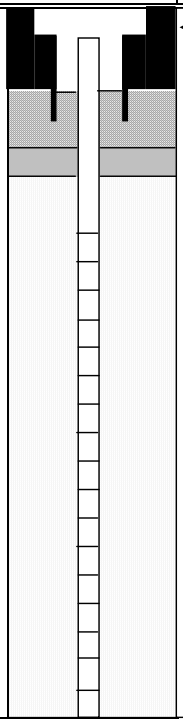
MONITORING WELL MW-207

Page 1 of 1

Ground Elevation: _____ Datum: _____
Date Started: 12/27/2006 Date Ended: 12/27/2006

Water Level (Date/Time): _____

Refer to Test Boring Log TB-208 (MW-206) for Soil Description



Flush Mounted Roadbox
_____ Depth to Top of Riser Pipe (ft)
2.0 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type _____

2.0 Depth to Top of Bentonite Seal (ft)
8.0 Depth to Bottom of Bentonite Seal (ft)

9.0 Depth to Top of Well Screen (ft)

11.0 Diameter of Borehole (in)

Backfill Type Sand

4.0 Inside Diameter of Well (in)

Type of Pipe Stainless Steel
Screen slot size #10

14.0 Depth to Bottom of Well Screen (ft)

14.0 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-207

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TEST BORING TB-210 / MW-208

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: R. Kampff
Drilling Contractor: SJB Services
Sampling Method: 2" Split Spoon

Ground Elevation: Datum:
Date Started: 12/28/2006 Date Ended: 12/28/2006
Borehole Depth: 14.0' Borehole Diameter: 11-inch
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	1 1 3 2	S-1	0-2		4	0.4	0	TOPSOIL and ROOTS Loose, Brown/Black, Clayey Silt, some Gravel, moist (FILL)	
2									
3	1 1 1 1	S-2	2-4	-	2	--	--		
4									
5	1 2 2 3	S-3	4-6	67	4	52.5	0		
6								Loose, Gray/Brown, Silty SAND, little Clay, little Gravel, moist	
7	3 2 2 3	S-4	6-8		4	101		…Brown, wet	
8									
9	5 9 16 16	S-5	8-10	75	25	80.6		Medium Dense, Brown fine to coarse SAND, little Silt, wet	
10								Medium Dense, Gray fine to medium SAND, trace Silt, wet	
11	8 7 10 12	S-6	10-12		17	0			
12									
13	10 14 19 21	S-7	12-14	67	33	13.7	31.4		
14								Dense, Gray/Brown, Silty SAND, some Clay, trace Rock fragments, wet (TILL)	
15								Bottom of Hole 14.0'	
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING TB-210 / MW-208

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MONITORING WELL INSTALLATION LOG

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: Ray Kampff
Drilling Contractor: SJB Services

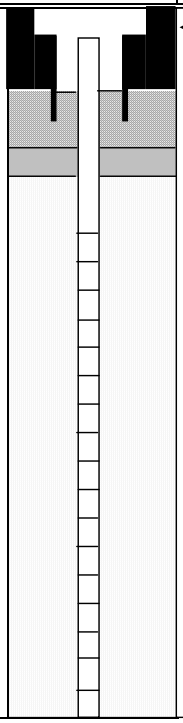
MONITORING WELL MW-208

Page 1 of 1

Ground Elevation: _____ Datum: _____
Date Started: 12/28/2006 Date Ended: 12/28/2006

Water Level (Date/Time): _____

Refer to Test Boring Log TB-210 (MW-208) for Soil Description



Flush Mounted Roadbox
_____ Depth to Top of Riser Pipe (ft)
2.0 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type _____

2.0 Depth to Top of Bentonite Seal (ft)
10.5 Depth to Bottom of Bentonite Seal (ft)

11.5 Depth to Top of Well Screen (ft)

11.0 Diameter of Borehole (in)

Backfill Type Sand

4.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size #10

16.5 Depth to Bottom of Well Screen (ft)

16.5 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-208

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TEST BORING TB-211 / MW-209

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: D. Gnage
Drilling Contractor: SJB Services
Sampling Method: 2" Split Spoon

Ground Elevation: Datum:
Date Started: 12/28/2006 Date Ended: 12/28/2006
Borehole Depth: 14.5' Borehole Diameter: 11-inch
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	2 3 2 1	S-1	0-2	65	5	0	0	Loose, Brown to Red/Brown, fine to medium Sand, some Silt, little fine Gravel, moist (FILL)	
2									
3	4 3 2 2	S-2	2-4	25	5	37.2	0	Loose, Brown to Dark Brown, coarse Gravel, trace fine Sand and Silt, wet (FILL)	
4									
5	3 4 3 4	S-3	4-6	65	7	199	422	Loose, Gray, fine to medium Sand and Silt, trace fine Gravel, moist (FILL)	
6								Loose, Brown, Silty, fine to medium SAND, ltiile Clay, trace fine Gravel, moist	…chemical-type odor
7	4 3 4 5	S-4	6-8	55	7	122	49.5		
8									
9	4 5 7 7	S-5	8-10	25	12	344	45.2	Medium Dense, wood pieces @ 8'	
10									
11	3 3 4 5	S-6	10-12	65	7	2.0	0.0	Loose, Brown, Clayey SILT, some fine Sand, wet	
12									
13	5 5 7 9	S-7	12-14	50	12	0	0.0		
14								Red/Brown, Silty SAND, trace fine Gravel, moist (TILL)	
15								Bottom of Hole @ 14.5'	
16									

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING TB-211 / MW-209

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ROCHESTER, NEW YORK 14614-1008
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DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

MONITORING WELL INSTALLATION LOG

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: David Gnage
Drilling Contractor: SJB Services

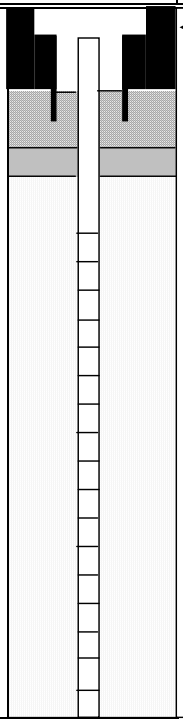
MONITORING WELL MW-209

Page 1 of 1

Ground Elevation: _____ Datum: _____
Date Started: 12/28/2006 Date Ended: 12/28/2006

Water Level (Date/Time): _____

Refer to Test Boring Log TB-211 (MW-209) for Soil Description



Flush Mounted Roadbox
_____ Depth to Top of Riser Pipe (ft)
1.5 Depth to Bottom of Cement Surface Patch (ft)
Backfill Type _____

1.5 Depth to Top of Bentonite Seal (ft)
3.0 Depth to Bottom of Bentonite Seal (ft)

4.5 Depth to Top of Well Screen (ft)

11.0 Diameter of Borehole (in)

Backfill Type Sand

4.0 Inside Diameter of Well (in)

Type of Pipe PVC
Screen slot size #10

14.5 Depth to Bottom of Well Screen (ft)

14.5 Depth of Borehole (ft)

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

MONITORING WELL MW-209

nes0289(Anders 3563S-04) Well Installation Logs 12-28-06.xls

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TEST BORINGS/MONITORING WELLS

BR-02FR

BR-02R

BR-03R

11/12/2009 THRU 11/18/2009

ROCK DISCONTINUITY CLASSIFICATION LEGEND

The orientation, degree of opening and weathering of prominent discontinuities encountered in the rock core are described by the following designations. Generally, discontinuities that are considered to be minor (e.g., closed and/or fresh) are not identified. Similarly, discontinuities within fracture zones are not identified and the rock core is described as "fractured and weathered rock".

Orientation

H = Horizontal 0 °

LA = Low Angle (less than 45 °)

HA = High Angle (greater than 45 °)

Degree of Opening

C = Closed; core pieces fit together tightly with less than 1/16 inch opening.

SO = Slightly Open; 1/16 inch to 1/8 inch opening.

O = Open; greater than 1/8 inch opening.

Weathering

F = Fresh; joints generally unweathered, but may show slight staining.

S = Slight; joints stained and may contain trace amounts of clay filling.

M = Moderate; joints discolored and weathered, often with clay filling.

V = Severe; joints weathered and worn with fractured rock evident.

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DAY ENVIRONMENTAL, INC.
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Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: C. Hampton
Drilling Contractor: SJB Services, Inc./CME 550x
Sampling Method: Split Spoon and NQ Rock Core

TEST BORING BR-02 FR

Ground Elevation: -- Datum: --
Date Started: 11/16/2009 Date Ended: 11/18/2009
Borehole Depth: 30.5' Borehole Diameter: Soil 12" / Rock 3.75"
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1	2 2 3 1	S-1	0-2	65	5	50.4	0 3.5	Brown, Silt, little Sand, trace Gravel, Roots, moist (FILL/TOPSOIL) Loose, Brown, Silty Gravel, trace Sand, intermixed Brick Fragments, moist (FILL)	-
2									-
3	4 1 2	S-2A	1.0-3.5	50	3	183	30		**Black staining 2.7' - 3.3', petroleum-type odor**
4	2	S-2B	3.5-4.0			132		Loose, Gray Sandy SILT, little Gravel, wet	-
5	3 4 4 6	S-3	4-6	80	8	581	4.2 287		-
6									-
7	6 7 7 10	S-4	6-8	100	14	175	120 18.2	Medium Dense, Gray Silty SAND, little Gravel, wet …Loose	-
8									-
9	1 2 5 5	S-5	8-10	60	7	285	1.9 18.3		-
10								Loose, Brown fine to medium SAND, little Silt, wet	-
11	W/H 12 3	S-6A	10-11.7	85	15	343	27.1	…Medium Dense, trace Gravel	-
12	6	S-6B	11.7-12			136	146	Medium Dense, Gray/Brown Sandy SILT, little Gravel, moist	-
13	7 11 14 16	S-7	12-14	50	25	911	-- 21.5		-
14									-
15	7 10 11 14	S-8	14-16	50	21	4114	-- 4182 max		-
16								Medium Dense, Gray Silty SAND, little Gravel, wet (TILL)	-

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING BR-02 FR

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DAY ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: C. Hampton
Drilling Contractor: SJB Services, Inc./CME 550x
Sampling Method: Split Spoon and NQ Rock Core

TEST BORING BR-02 FR

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	6 8 9 13	S-9	16-18	50	17	4194 max	4194 max 3370	Medium Dense, Gray Silty SAND, little Gravel, wet (TILL)	Evidence of DNAPL and Chemical Odors
18 19	W/H 3 11 14	S-10	18-20	60	14	4194 max	2720 4194 max		
20 21	1 10 15 21	S-11	20-22	90	25	4194 max	4194 max 4194 max		
22	20	S-12	22-22.6	100	50+	4194 max	4194 max	...Shale fragments	Split Spoon Refusal 22.6'
23	50/1						22.6	Gray, fractured and weathered SHALE from 22.6' to 28.2', chemical type odor noted between 24.3' and 24.7'	Fractured and weathered rock
24		C-1	22.6-25.8	78	0		12.7		
25							865		
26							18.6		
27									
28		C-2	25.8-30.5	91	28		15.6		
29							0.6	Gray, moderately weathered SHALE with horizontal to low angle fractures	H, SO, MU LA, C, F H, SO, S
30							0		LA, SO, S
31								Bottom of Hole @ 30.5'	
32									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
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5) Headspace PID readings may be influenced by moisture

TEST BORING BR-02 FR

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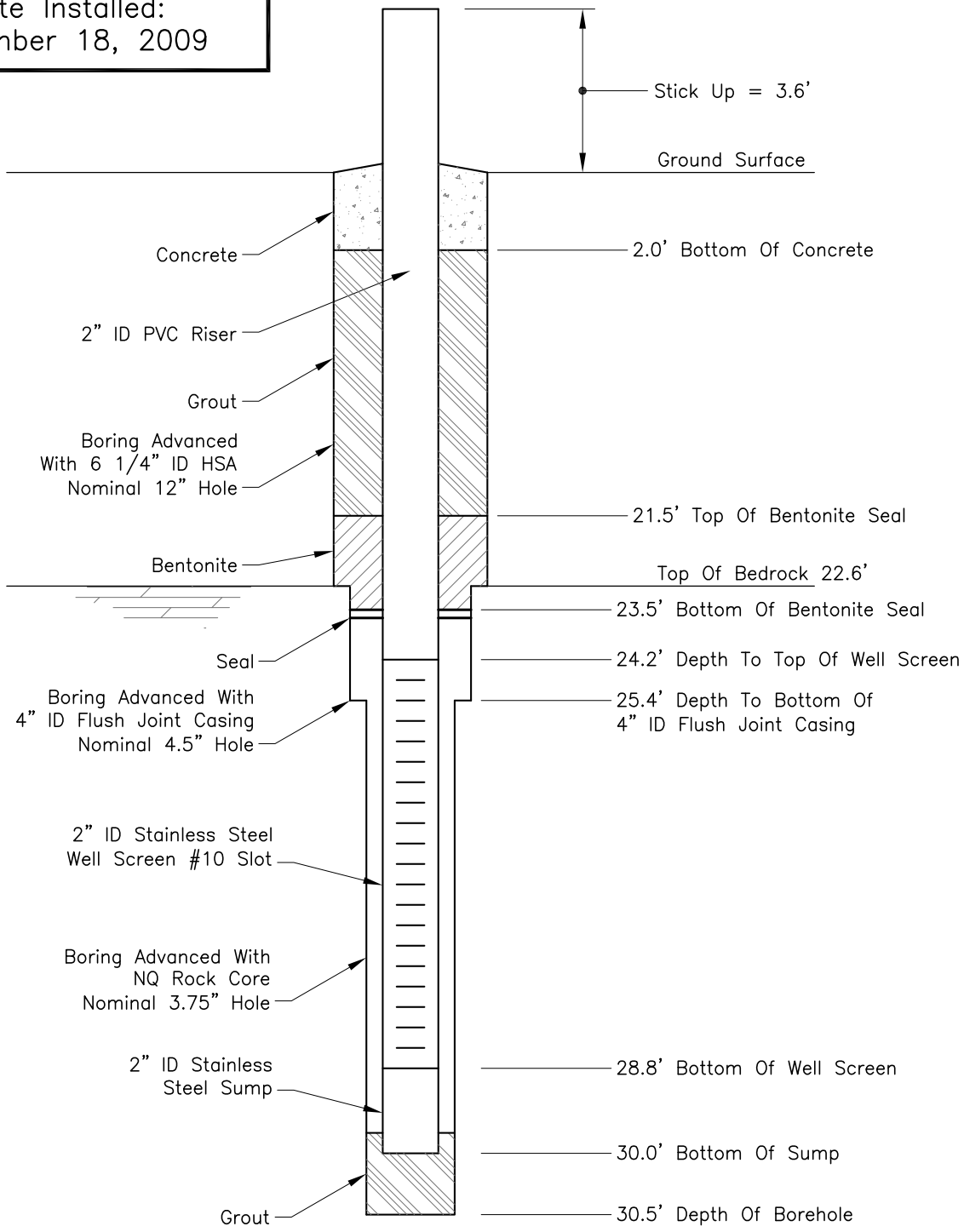
Monitoring Well BR-02 FR
Date Installed:
November 18, 2009



DATE 12-7-2009	day DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14614-1008 NEW YORK, NEW YORK 10016-0710	PROJECT TITLE 5 HUNT ROAD JAMESTOWN, NEW YORK BROWNFIELD CLEANUP PROGRAM	PROJECT NO. 3563S-04
DRAWN BY RJM		DRAWING TITLE Well Diagram Monitoring Well BR-02 FR	FIGURE 1
SCALE No Scale			

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DAY ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #:	3563S-04
Project Address:	5 Hunt Road
	Jamestown, New York
DAY Representative:	C. Hampton
Drilling Contractor:	SJB Services, Inc./CME 550x
Sampling Method:	NQ Rock Core

TEST BORING BR-02 R

Ground Elevation: -- Datum: --
Date Started: 11/12/2009 Date Ended: 11/16/2009
Borehole Depth: 41.0' Borehole Diameter:
Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings
Water Level (Date):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1									**Cuttings observed w/augers at 2.5'**
2									**exhibited a petroleum/diesel odor and peak**
3									**PID = 258 ppm**
4									-
5								Test Boring Advanced to Refusal Using 6 1/4" ID Hollow Stem Augers;	-
6								No Samples Collected	-
7									-
8									-
9									-
10									-
11									-
12									-
13									-
14									-
15									-
16									-

Notes:
1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING BR-02 R

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Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: C. Hampton
Drilling Contractor: SJB Services, Inc./CME 550x
Sampling Method: NQ Rock Core

TEST BORING BR-02 R

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17									
18								Test Boring Advanced to Refusal Using 6 1/4" ID Hollow Stem Augers;	
19								No Samples Collected	
20									
21									
22							0	Gray fractured and weathered SHALE 21.8' to 27.6'	Auger Refusal @ 21.8'
23									
24		C-1	21.8-26.8	56	0		0		
25									
26							0		
27							2.6		
28							15.8	Gray fresh to moderately weathered SHALE with horizontal to low angle fractures and occassional high angle fractures	
29		C-2	26.8-31.8	95	50		11.6		H, O, mV
30							0.8		H, O, S
31									H, O, mV
32									LA, O, m

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING BR-02 R

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Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: C. Hampton
Drilling Contractor: SJB Services, Inc./CME 550x
Sampling Method: NQ Rock Core

TEST BORING BR-02 R

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
33							0	Gray, fresh to slightly weathered SHALE with slight to moderatley weathered horizontal to low angle fractures and occassional high angle fractures	H, 0, mV
34		C-3	31.8-35.6	100	43		0		H, 50, S
35							0		H, 50, m HA, 50, S
36							0		H, 50, S
37									
38		C-4	35.6-41.0	100	42		0		H, 50, 50 50/0" Fractured Rock
39									
40									LA, 50, S H, 50, S HA, 50, m
41							0		
								Bottom of Hole @ 41.0'	
42									
43									
44									
45									
46									
47									
48									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING BR-02 R

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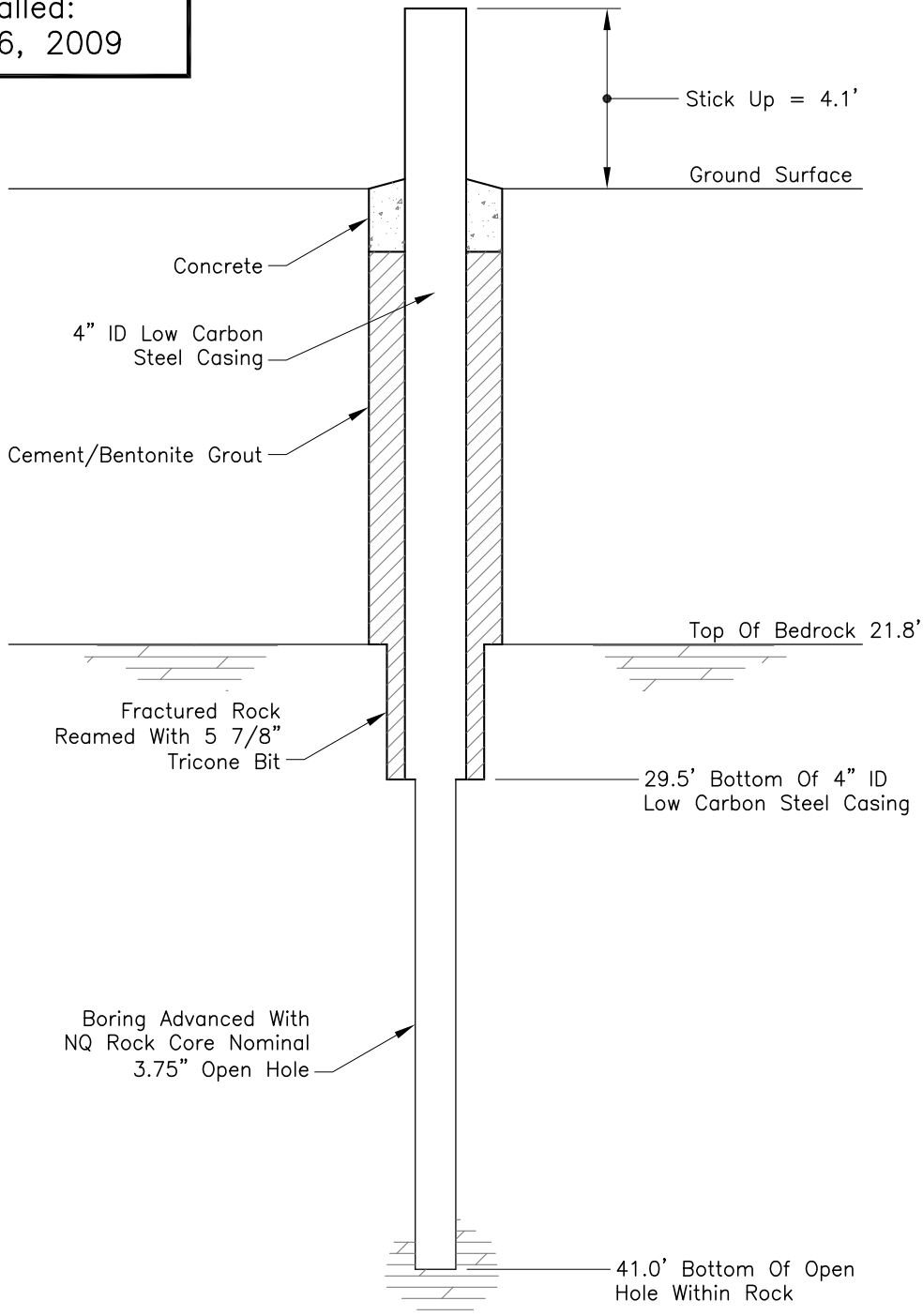
Monitoring Well BR–02 R
Date Installed:
November 16, 2009



DATE 12-7-2009	day DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14614-1008 NEW YORK, NEW YORK 10016-0710	PROJECT TITLE 5 HUNT ROAD JAMESTOWN, NEW YORK BROWNFIELD CLEANUP PROGRAM	PROJECT NO. 3563S-04
DRAWN BY RJM		DRAWING TITLE Well Diagram Monitoring Well BR-02 R	FIGURE 2
SCALE No Scale			

Ref1: Time Plotted: Thursday, March 03, 2011 11:01:34 AM
Ref2:
Ref3: Layout: BR–02 R Pen Setting File: 800psFullcolor.ctb
File Name: U:\McPhee\Drawings\Brownfield\3563\Typical BR Monitoring Well.dwg

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ENVIRONMENTAL CONSULTANTS
AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #:	3563S-04
Project Address:	5 Hunt Road
	Jamestown, New York
DAY Representative:	C. Hampton
Drilling Contractor:	SJB Services, Inc./CME 550x
Sampling Method:	NQ Rock Core

TEST BORING BR-03 R

Ground Elevation:	--	Datum:	--
Date Started:	11/13/2009	Date Ended:	11/18/2009
Borehole Depth:	38.4'	Borehole Diameter:	Soil 12" / Rock 3.75"

Completion Method: ■ Well Installed ☐ Backfilled with Grout ☐ Backfilled with Cuttings

Water Level (Date):

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1									-
2									-
3									-
4								Test Boring Advanced to Refusal Using 6 1/4" ID Hollow Stem Augers;	-
								No Samples Collected	
5									-
6									-
7									-
8									-
9									-
10									-
11									-
12									-
13									-
14									-
15									-
16									-

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING BR-03 R

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Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: C. Hampton
Drilling Contractor: SJB Services, Inc./CME 550x
Sampling Method: NQ Rock Core

TEST BORING BR-03R

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17								Test Boring Advanced to Refusal Using 6 1/4" ID Hollow Stem Augers; No Samples Collected	
18									
19									Auger Refusal @ 19.4'
20									
21									
22									
23									
24								Reamed Rock to 28.5'	
25									
26									
27									
28									
29							0	Gray slight to moderately weathered SHALE with horizontal to low angle fractures	Frequent H, SO, S
30		C-1	28.5-32.5	100	40		0		H, O, M
31									H, O, MV
32							0		H, O, V

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
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5) Headspace PID readings may be influenced by moisture

TEST BORING BR-03R

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ENVIRONMENTAL CONSULTANTS

DAY ENVIRONMENTAL, INC.

AN AFFILIATE OF DAY ENGINEERING, P.C.

Project #: 3563S-04
Project Address: 5 Hunt Road
Jamestown, New York
DAY Representative: C. Hampton
Drilling Contractor: SJB Services, Inc./CME 550x
Sampling Method: NQ Rock Core

TEST BORING BR-03R

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
33							0	Gray fresh to slightly weathered SHALE, with horizontal to low angle fractures	H, SO, S Fractured Rock
34									Frequent H, SO, S
35		C-2	32.5-38.4	82	40		0		
36									Fractured Rock H, SO, S
37									H, SO, S
38							0		H, SO, S
39								Bottom of Hole @ 38.4'	
40									
41									
42									
43									
44									
45									
46									
47									
48									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) Stratification lines represent approximate boundaries. Transitions may be gradual.
3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 2000 equipped with a 10.6 eV lamp.
4) NA = Not Available or Not Applicable
5) Headspace PID readings may be influenced by moisture

TEST BORING BR-03R

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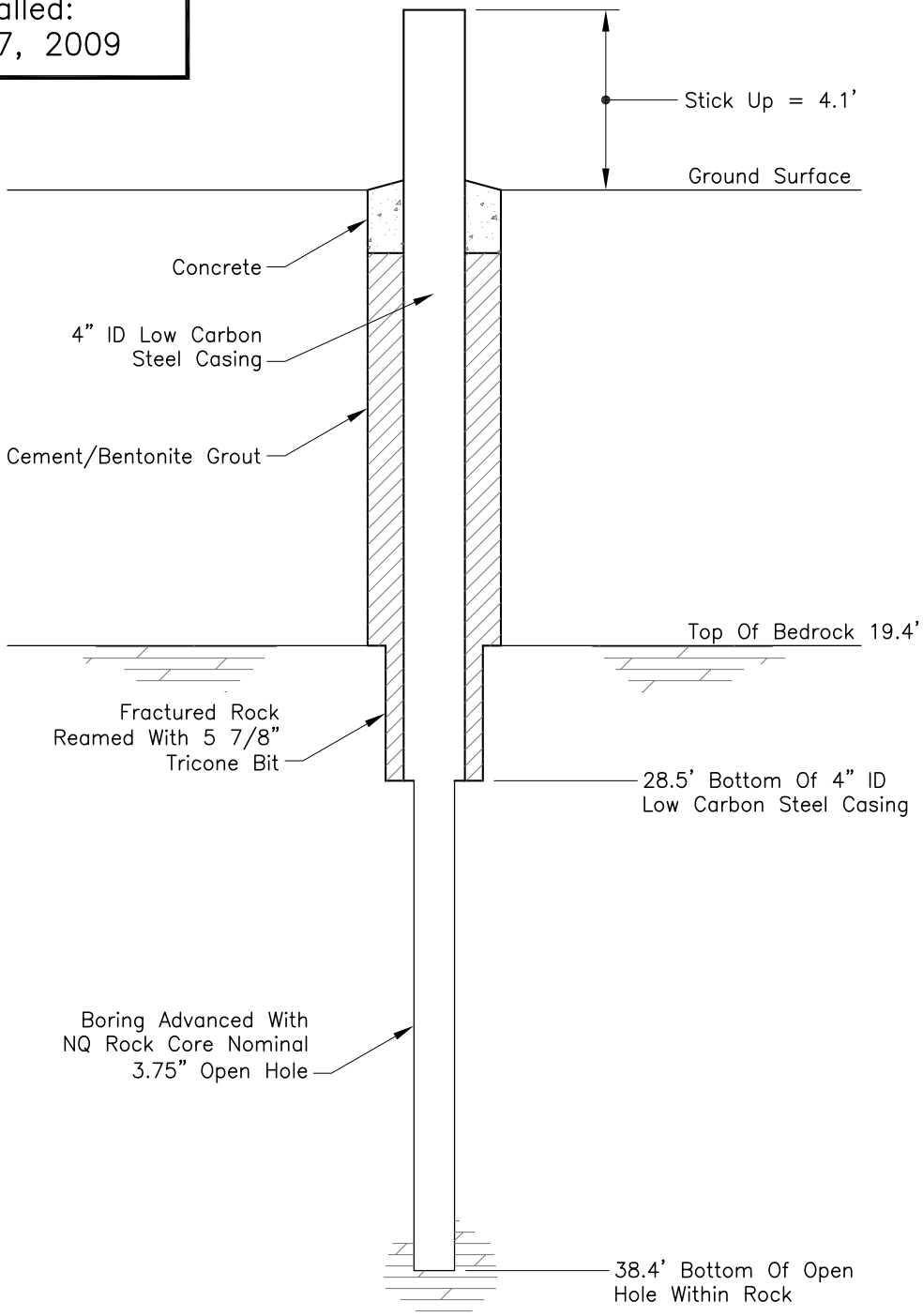
Monitoring Well BR-03 R
Date Installed:
November 17, 2009



DATE 12-7-2009	DAY ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTANTS ROCHESTER, NEW YORK 14614-1008 NEW YORK, NEW YORK 10016-0710	PROJECT TITLE 5 HUNT ROAD JAMESTOWN, NEW YORK BROWNFIELD CLEANUP PROGRAM DRAWING TITLE Well Diagram Monitoring Well BR-03 R	PROJECT NO. 3563S-04 FIGURE 3
DRAWN BY RJM			
SCALE No Scale			

WELL DEVELOPMENT DATA
PW-2

SITE LOCATION: 5 Hunt Road, Jamestown, NY

JOB#: 3292S-03

DATE/ TIME	10/21/04 0900	10/21/04 0905	10/21/04 0910	10/21/04 0914	10/21/04 0918	10/21/04 0923		
EVACUATION METHOD	3' Disposable Bailer	3' Disposable Bailer	3' Disposable Bailer	3' Disposable Bailer	3' Disposable Bailer	3' Disposable Bailer		
PID/FID (PPM)	11.8	NC	NC	NC	NC	NC		
DEPTH OF WELL (FT)	12.24	NC	NC	NC	NC	13.51		
STATIC WATER LEVEL (SWL) FT	1.06	NC	NC	NC	NC	NC		
VOLUME EVACUATED (GAL)	0	.5	.5	.5	.5	.5		
TOTAL VOLUME EVACUATED (GAL)	0	.5	1.0	1.5	2.0	2.5		
TEMPERATURE (^{o}C)	18.9	17.9	17.4	17.6	17.6	17.5		
pH	6.26	5.89	7.36	7.28	7.18	7.04		
ORP (mV)	84	12	53	59	51	49		
CONDUCTIVITY (µs/cm)	1.45	1.51	1.25	1.40	1.34	1.43		
DO (mg/L)	6.92	9.15	8.14	6.13	6.03	6.17		
TURBIDITY (NTU)	>990	>990	>990	>990	>990	>990		
VISUAL OBSERVATION	Muddy	Muddy	Muddy	Muddy	Muddy	Muddy		

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614

WELL DEVELOPMENT DATA
PW-3

SITE LOCATION: 5 Hunt Road, Jamestown, NY

JOB#: 3292S-03

DATE/ TIME	10/21/04 0940	10/21/04 0943	10/21/04 0947	10/21/04 0952	10/21/04 0955			
EVACUATION METHOD	3' Disposable Bailer	3' Disposable Bailer	3' Disposable Bailer	3' Disposable Bailer	3' Disposable Bailer			
PID/FID (PPM)	208	NC	NC	NC	NC			
DEPTH OF WELL (FT)	14.15	NC	NC	NC	14.37			
STATIC WATER LEVEL (SWL) FT	1.72	NC	NC	NC	2.56			
VOLUME EVACUATED (GAL)	0	.5	.5	.5	.5			
TOTAL VOLUME EVACUATED (GAL)	0	.5	1.0	1.5	2.0			
TEMPERATURE (^{O}C)	17.9	17.9	18.1	18.0	18.3			
pH	6.33	6.35	6.19	6.13	6.15			
ORP (mV)	-11	-45	-82	-97	-110			
CONDUCTIVITY (µs/cm)	1.89	1.97	1.85	1.90	1.92			
DO (mg/L)	4.15	5.15	6.71	6.43	6.27			
TURBIDITY (NTU)	>990	>990	>990	>990	>990			
VISUAL OBSERVATION	Muddy	Muddy	Muddy	Muddy	Slightly Muddy			

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614

WELL DEVELOPMENT DATA
MW-01

SITE LOCATION: 5 Hunt Road, Jamestown, New York

JOB#:3563S-04

DATE/ TIME	05-18-05 09:12	05-18-05 09:24	05-18-05 09:34	05-18-05 09:41	05-18-05 09:48	05-18-05 09:54	05-18-05 09:57	
EVACUATION METHOD	3' disposable bailer	3' disposable bailer	3' disposable bailer	3' disposable bailer	3' disposable bailer	3' disposable bailer	--	
PID/FID (PPM)	0.0	NC	NC	NC	NC	NC	NC	
DEPTH OF WELL (FT)	16.71	NC	NC	NC	NC	17.10	17.10	
STATIC WATER LEVEL (SWL) FT	~0.1	NC	NC	NC	NC	9.34	3.81	
VOLUME EVACUATED (GAL)	0.0	3.0	3.0	3.0	3.0	3.0	0.0	
TOTAL VOLUME EVACUATED (GAL)	0.0	3.0	6.0	9.0	12.0	15.0	15.0	
TEMPERATURE (^{O}C)	10.9	9.5	9.2	9.2	9.2	9.2	NC	
pH	10.39	10.07	6.21	6.22	6.17	6.23	NC	
ORP (mV)	34	113	257	229	226	224	NC	
CONDUCTIVITY (ms/cm)	2.91	1.82	2.06	2.04	2.07	2.08	NC	
DO (mg/L)	10.08	10.00	9.25	6.28	6.57	6.51	NC	
TURBIDITY (NTU)	870	>999	>999	>999	>999	>999	NC	
VISUAL OBSERVATION	Cloudy	Slightly Muddy 7.0.c=2.5" below grade	Slightly Muddy	Slightly Muddy	Slightly Muddy	Slightly Muddy	--	

LEGEND:
NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614

WELL DEVELOPMENT DATA
MW-02

SITE LOCATION: 5 Hunt Road, Jamestown, New York

JOB#:3563S-04

DATE/ TIME	05-18-05 14:05	05-18-05 14:10	05-18-05 14:15					
EVACUATION METHOD	3' disposable bailer	3' disposable bailer	3' disposable bailer					
PID/FID (PPM)	0.0	NC	NC					
DEPTH OF WELL (FT)	26.71*	NC	26.71					
STATIC WATER LEVEL (SWL) FT	1.33' above grade	NC	1.33' above grade					
VOLUME EVACUATED (GAL)	0.0	3.0	3.0					
TOTAL VOLUME EVACUATED (GAL)	0.0	3.0	6.0					
TEMPERATURE (^{O}C)	13.9	12.8	12.7					
pH	5.91	6.02	6.07					
ORP (mV)	278	269	267					
CONDUCTIVITY (ms/cm)	2.00	2.01	2.01					
DO (mg/L)	9.41	7.79	7.43					
TURBIDITY (NTU)	98.3	67.4	51.3					
VISUAL OBSERVATION	Clear	Clear	Clear					

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

*Measured from top of riser ~3.0' above grade
NOTE: After 6.0 gallons purged – water level came back to original SWL in 5 seconds or less.

Day Environmental, Inc.
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WELL DEVELOPMENT DATA
MW-03

SITE LOCATION: 5 Hunt Road, Jamestown, New York

JOB#:3563S-04

DATE/ TIME	05-18-05 13:20	05-18-05 13:26	05-18-05 13:32	05-18-05 13:44	05-18-05 13:48	05-18-05 13:51		
EVACUATION METHOD	3' disposable bailer	3' disposable bailer	3' disposable bailer	3' disposable bailer	3' disposable bailer	3' disposable bailer		
PID/FID (PPM)	NC	NC	NC	NC	NC	NC		
DEPTH OF WELL (FT)	20.94	NC	NC	NC	NC	20.94		
STATIC WATER LEVEL (SWL) FT	2.51' above grade	NC	NC	NC	NC	2.51' above grade		
VOLUME EVACUATED (GAL)	0.0	3.0	3.0	3.0	3.0	3.0		
TOTAL VOLUME EVACUATED (GAL)	0.0	3.0	6.0	9.0	12.0	15.0		
TEMPERATURE (^{O}C)	13.6	13.7	13.6	13.7	13.8	13.8		
pH	5.99	5.98	5.99	6.00	6.01	6.01		
ORP (mV)	248	252	247	255	261	258		
CONDUCTIVITY (ms/cm)	2.06	2.06	2.07	2.06	2.07	2.07		
DO (mg/L)	8.83	7.93	7.65	7.29	7.19	7.02		
TURBIDITY (NTU)	>999	>999	>999	893	829	313		
VISUAL OBSERVATION	Slightly Muddy	Cloudy	Cloudy	Cloudy	Cloudy	Clear		

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

NOTE: 15.0 gallons purged - ~5 seconds for water to recharge to original SWL.

Day Environmental, Inc.
40 Commercial Street
Rochester, New York 14614

WELL DEVELOPMENT DATA
MW-04

SITE LOCATION: 5 Hunt Road, Jamestown, New York

JOB#:3563S-04

DATE/ TIME	05-18-05 12:45	05-18-05 12:50	05-18-05 12:55	05-18-05 13:00	05-18-05 13:05			
EVACUATION METHOD	3' disposable bailer	3' disposable bailer	3' disposable bailer	3' disposable bailer	3' disposable bailer			
PID/FID (PPM)	NC	NC	NC	NC	NC			
DEPTH OF WELL (FT)	20.24*	NC	NC	NC	20.24			
STATIC WATER LEVEL (SWL) FT	2.44' above grade	NC	NC	NC	2.44' above grade			
VOLUME EVACUATED (GAL)	0.0	3.0	3.0	3.0	3.0			
TOTAL VOLUME EVACUATED (GAL)	0.0	6.0	9.0	12.0	15.0			
TEMPERATURE (^{O}C)	11.4	11.2	11.2	11.2	11.2			
pH	5.80	5.91	5.92	5.87	5.85			
ORP (mV)	250	231	233	241	245			
CONDUCTIVITY (ms/cm)	2.07	2.06	2.04	2.03	2.03			
DO (mg/L)	10.05	9.71	9.41	9.13	9.04			
TURBIDITY (NTU)	>999	893	714	519	230			
VISUAL OBSERVATION	Cloudy	Cloudy	Cloudy	Clear	Clear			

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

*Measured from grade
NOTE: After 15 gallons purged, ~5 sec recharge back to original SWL.

Day Environmental, Inc.
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WELL DEVELOPMENT DATA
MW-05

SITE LOCATION: 5 Hunt Road, Jamestown, New York

JOB#:3563S-04

DATE/ TIME	05-18-05 10:15	05-18-05 10:22	05-18-05 10:30	05-18-05 10:37	05-18-05 10:41	05-18-05 10:48		
EVACUATION METHOD	3' disposable bailer	3' disposable bailer	3' disposable bailer	3' disposable bailer	3' disposable bailer	3' disposable bailer		
PID/FID (PPM)	0.0	NC	NC	NC	NC	NC		
DEPTH OF WELL (FT)	16.34	NC	NC	NC	NC	16.34		
STATIC WATER LEVEL (SWL) FT	*	NC	NC	NC	NC	*		
VOLUME EVACUATED (GAL)	0.0	3.0	3.0	3.0	3.0	3.0		
TOTAL VOLUME EVACUATED (GAL)	0.0	3.0	6.0	9.0	12.0	15.0		
TEMPERATURE (^{O}C)	9.8	9.8	9.9	9.9	9.9	9.8		
pH	6.18	6.03	6.11	6.10	6.23	6.11		
ORP (mV)	266	226	218	206	196	200		
CONDUCTIVITY (ms/cm)	1.94	1.93	1.92	1.96	1.96	1.96		
DO (mg/L)	7.81	4.19	4.09	4.31	4.16	3.16		
TURBIDITY (NTU)	>999	586	480	466	404	290		
VISUAL OBSERVATION	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy		

LEGEND: NC = Not Collected *Water level observed to be artesian (above the ground surface)

Day Environmental, Inc.
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Rochester, New York 14614

WELL DEVELOPMENT DATA
MW-06

SITE LOCATION: 5 Hunt Road, Jamestown, New York

JOB#:3563S-04

DATE/ TIME	05-18-05 12:05	05-18-05 12:11	05-18-05 12:17	05-18-05 12:22	05-18-05 12:28	05-18-05 12:33		
EVACUATION METHOD	3' disposable bailer	3' disposable bailer	3' disposable bailer	3' disposable bailer	3' disposable bailer	3' disposable bailer		
PID/FID (PPM)	0.0	NC	NC	NC	NC	NC		
DEPTH OF WELL (FT)	23.10*	NC	NC	NC	NC	23.10		
STATIC WATER LEVEL (SWL) FT	2.80' above grade	NC	NC	NC	NC	2.80' above grade		
VOLUME EVACUATED (GAL)	0.0	3.0	3.0	3.0	3.0	3.0		
TOTAL VOLUME EVACUATED (GAL)	0.0	3.0	6.0	9.0	12.0	15.0		
TEMPERATURE (^{O}C)	13.3	12.3	12.1	12.1	12.0	12.0		
pH	5.84	5.88	5.96	6.01	5.99	5.94		
ORP (mV)	258	233	230	229	225	226		
CONDUCTIVITY (ms/cm)	1.47	1.47	1.47	1.46	1.46	1.46		
DO (mg/L)	9.34	9.21	9.14	9.23	9.01	9.48		
TURBIDITY (NTU)	817	612	423	462	317	310		
VISUAL OBSERVATION	Cloudy	Cloudy	Cloudy	Cloudy	Clear	Clear		

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

*Measured from grade.
NOTE: Recharge after 15.0 gallons, less then 5 sec.

Day Environmental, Inc.
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WELL DEVELOPMENT DATA
MW-07

SITE LOCATION: 5 Hunt Road, Jamestown, New York

JOB#:3563S-04

DATE/ TIME	05-25-05 10:35	05-25-05 10:39	05-25-05 10:41	05-25-05 10:47	05-25-05 10:53	05-25-05 10:59		
EVACUATION METHOD	3' disposable bailer	3' disposable bailer	3' disposable bailer	3' disposable bailer	3' disposable bailer	3' disposable bailer		
PID/FID (PPM)	34.1	NC	NC	NC	NC	NC		
DEPTH OF WELL (FT)	11.1	NC	NC	NC	NC	11.19		
STATIC WATER LEVEL (SWL) FT	1.8	NC	NC	NC	NC	2.1		
VOLUME EVACUATED (GAL)	0.0	0.25	0.25	0.25	0.25	0.25		
TOTAL VOLUME EVACUATED (GAL)	0.0	0.25	0.5	0.75	10	1.25		
TEMPERATURE (^{O}C)	14.9	14.1	14.1	14.0	14.0	13.9		
pH	5.98	6.01	6.25	6.27	6.27	6.29		
ORP (mV)	-19	2	21	38	59	63		
CONDUCTIVITY (ms/cm)	1.70	1.68	1.68	1.67	1.65	1.65		
DO (mg/L)	10.82	9.51	9.43	9.59	9.42	9.31		
TURBIDITY (NTU)	>999	>999	>999	>999	>999	>999		
VISUAL OBSERVATION	Muddy; Sheen	Muddy; Sheen	Muddy; Sheen	Muddy; Sheen	Muddy; Sheen	Muddy; Sheen		

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

*Measured from grade.
NOTE: Recharge after 15.0 gallons, less then 5 sec.

Day Environmental, Inc.
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WELL DEVELOPMENT DATA
MW-1

SITE LOCATION: Anderson Cleaners

JOB# 3292S-03

DATE/ TIME	09/12/03 1415	09/12/03 1445	09/12/03 1545					
EVACUATION METHOD	Bailer	Bailer						
PID/FID (PPM)								
DEPTH OF WELL (FT)	14.2							
STATIC WATER LEVEL (SWL) FT	1.5	2.0	2.0					
VOLUME EVACUATED (GAL)	0.75	1.25						
TOTAL VOLUME EVACUATED (GAL)		22.5						
TEMPERATURE (^{O}C)	NC	NC						
pH	NC	NC						
ORP (mV)	NC	NC						
CONDUCTIVITY (µs/cm)	NC	NC						
DO (mg/L)	NC	NC						
TURBIDITY (NTU)								
OBSERVATION	Sweet Odor Muddy	Sweet Odor Muddy						

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

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WELL DEVELOPMENT DATA
MW-2

SITE LOCATION: Anderson Cleaners

JOB# 3292S-03

DATE/ TIME	09/12/03 537	09/12/03 544	09/12/03 551	09/12/03 559	09/12/03 607			
EVACUATION METHOD	3' Disposable Bailer							
PID/FID (PPM)	809							
DEPTH OF WELL (FT)	13.4				13.51			
STATIC WATER LEVEL (SWL) FT	4.09				5.38			
VOLUME EVACUATED (GAL)	0	0.5	0.5	0.5	0.5			
TOTAL VOLUME EVACUATED (GAL)	0	0.5	1.0	1.5	2.0			
TEMPERATURE (^{O}C)	18.2	17.6	17.5	17.2	17.3			
pH	5.33	7.25	7.29	7.20	7.20			
ORP (mV)	180	86	80	84	84			
CONDUCTIVITY (µs/cm)	1.56	1.42	1.44	1.45	1.45			
DO (mg/L)	10.0	6.3	5.6	4.4	5.1			
TURBIDITY (NTU)	>990	>990	>990	>990	>990			
OBSERVATION	Muddy	Muddy	Muddy	Muddy	Slightly Muddy			

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Engineering, P.C.
40 Commercial Street
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WELL DEVELOPMENT DATA
MW-3

SITE LOCATION: Anderson Cleaners

JOB# 3292S-03

DATE/ TIME	09/17/03 1350	09/17/03 1433	09/17/03 1505	09/17/03 1533				
EVACUATION METHOD	Bailer	Bailer	Bailer					
PID/FID (PPM)								
DEPTH OF WELL (FT)	9.95							
STATIC WATER LEVEL (SWL) FT	1.8		1.8					
VOLUME EVACUATED (GAL)	0.3	0.4	0.5					
TOTAL VOLUME EVACUATED (GAL)	0.3	0.7	1.2					
TEMPERATURE (^{O}C)	NC	NC	NC					
pH	NC	NC	NC					
ORP (mV)	NC	NC	NC					
CONDUCTIVITY (µs/cm)	NC	NC	NC					
DO (mg/L)	NC	NC	NC					
TURBIDITY (NTU)	NC	NC	NC					
OBSERVATION	Turbid	Turbid	Cloudy					

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Engineering, P.C.
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WELL DEVELOPMENT DATA
MW-4

SITE LOCATION: Anderson Cleaners

JOB# 3292S-03

DATE/ TIME	09/17/03 1402	09/12/03 1440						
EVACUATION METHOD	Bailer	Bailer						
PID/FID (PPM)								
DEPTH OF WELL (FT)	8.2							
STATIC WATER LEVEL (SWL) FT	2.45	2.45						
VOLUME EVACUATED (GAL)	0.15	0.10						
TOTAL VOLUME EVACUATED (GAL)		.25						
TEMPERATURE (^{O}C)	NC	NC						
pH	NC	NC						
ORP (mV)	NC	NC						
CONDUCTIVITY (µs/cm)	NC	NC						
DO (mg/L)	NC	NC						
TURBIDITY (NTU)	NC	NC						
OBSERVATION	Turbid	Turbid						

LEGEND:
NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Engineering, P.C.
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WELL DEVELOPMENT DATA
MW-5

SITE LOCATION: Anderson Cleaners

JOB# 3292S-03

DATE/ TIME	09/17/03 629	09/17/03 640	09/17/03 720					
EVACUATION METHOD	3' Disposable Bailer							
PID/FID (PPM)	146							
DEPTH OF WELL (FT)	10.05		10.18					
STATIC WATER LEVEL (SWL) FT	1.32		9.74					
VOLUME EVACUATED (GAL)	0	0.5	0.5					
TOTAL VOLUME EVACUATED (GAL)	0	0.5	1.0					
TEMPERATURE (^{O}C)	18.7	17.5	16.8					
pH	8.46	9.52	9.03					
ORP (mV)	16	-69	-73					
CONDUCTIVITY (µs/cm)	1.31	1.12	1.33					
DO (mg/L)	5.1	9.2	8.0					
TURBIDITY (NTU)	>990	>990	>990					
OBSERVATION	Slightly muddy	Muddy	Muddy					

LEGEND: NC = Not Collected
ND = Not Detected
*= Not Measurable

Day Engineering, P.C.
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DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-4

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road **JOB #:** Wright 3292S-03

PROJECT NAME: Jamestown New York **DATE :** 11/23/2003

SAMPLE COLLECTOR(S): Jeffrey Kirk Hampton

WEATHER CONDITIONS: Partly Cloudy, 65° **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 11.40 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 2.20 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 9.20 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.38 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
¾" (0.0625)	0.023	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	**0.041**	
1¼" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4½" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 1.14 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 2.50

PURGE METHOD: Masterflex, peristaltic pump

PURGE START: 11:20 **PURGE END:** 12:30

SAMPLE COLLECTION METHOD: 3' Bailer

COMMENTS: No unusual odors during development. Sample collected at 12:35, SWL- 2.50', no product observed. Stick-up measured at 10".

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-6

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road **JOB #:** Wright 3292S-03

PROJECT NAME: Jamestown New York **DATE :** 11/23/2003

SAMPLE COLLECTOR(S): Jeffrey Kirk Hampton

WEATHER CONDITIONS: Partly Cloudy, 65° **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 11.50 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 1.15 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 10.35 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.42 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
¾" (0.0625)	0.023	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	**0.041**	
1¼" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4½" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 1.27 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 4.50

PURGE METHOD: Masterflex, peristaltic pump.

PURGE START: 10:37 **PURGE END:** 10:55

SAMPLE COLLECTION METHOD: 3' Bailer

COMMENTS: No unusual odors during development. Sample collected at 11:00, SWL-1.38', no product observed. Stick-up measured at 7".

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-7

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road **JOB #:** Wright 3292S-03

PROJECT NAME: Jamestown New York **DATE :** 11/23/2003

SAMPLE COLLECTOR(S): Jeffrey Kirk Hampton

WEATHER CONDITIONS: Partly Cloudy, 65° **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 9.50 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 0.00 (at top of casing) (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 9.50 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.39 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	**0.041**
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 1.17 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 3.00

PURGE METHOD: Masterflex, peristaltic pump

PURGE START: 12:25 **PURGE END:** 12:40

SAMPLE COLLECTION METHOD: 3' Bailer

COMMENTS: No unusual odors during development. Sample collected at 12:50, SWL- 1.00', no product observed.

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-8

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road **JOB #:** Wright 3292S-03

PROJECT NAME: Jamestown New York **DATE :** 11/23/2003

SAMPLE COLLECTOR(S): Jeffrey Kirk Hampton

WEATHER CONDITIONS: Partly Cloudy, 65° **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 11.75 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 2.57 (MEASURED FROM T.O.C.)

DEPTH OF WATER COLUMN [FT]: 9.18 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.38 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
¼" (0.0625)	0.023	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	**0.041**	
1¼" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4½" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 1.14 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: 0.20 (DRY)

PURGE METHOD: Masterflex, peristaltic pump

PURGE START: 10:15 **PURGE END:** 11:10

SAMPLE COLLECTION METHOD: 3' Bailer

COMMENTS: Encountered continuous dryness during development, sample colleted after third attempt at development. Sample collected at 12:05, SWL- 2.90'. No unusual odors or product observed.

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL PW-2

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY **JOB #:** 3292S-03

PROJECT NAME: Background Groundwater Sampling **DATE :** 10/21/04

SAMPLE COLLECTOR(S): C. Davidson

WEATHER CONDITIONS: Light Rain, ~50°F **PID IN WELL (PPM):** 0.0

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 13.51 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 1.70 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 11.81 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.48 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
¾" (0.0625)	0.023	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	
1¼" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4½" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 1.45 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~1.75

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1004 **END:** 1012

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
PW-2	10-21-04 / 1017	3' Disposable Bailer	VOCS 8260B, Total Nitrogen Phosphurous, Plate Count

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
1.83	17.6	7.14	1.58	823	5.81	47	Slightly Muddy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL PW-3

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY **JOB #:** 3292S-03

PROJECT NAME: Background Groundwater Sampling **DATE :** 10/21/04

SAMPLE COLLECTOR(S): C. Davidson

WEATHER CONDITIONS: Light Rain, ~50°F **PID IN WELL (PPM):** 0.0

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 14.37 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 1.93 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 12.44 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.51 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 1.53 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~1.75

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1021 **END:** 1029

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
PW-3	10-21-04 / 1035	3' Disposable Bailer	VOCS 8260B, Total Nitrogen Phosphurous, Plate Count

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
2.43	17.9	6.24	1.85	827	5.74	-43	Slightly Muddy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-1

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY **JOB #:** 3292S-03

PROJECT NAME: Background Groundwater Sampling **DATE :** 10/21/04

SAMPLE COLLECTOR(S): C. Davidson

WEATHER CONDITIONS: Light Rain, ~50°F **PID IN WELL (PPM):** 1390

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 14.05 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 2.72 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 11.33 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.46 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 1.39 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~1.5

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1042 **END:** 1049

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-1	10-21-04 / 1054	3' Disposable Bailer	Total Nitrogen, Phosphurous, Plate Count

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
3.38	NC	NC	NC	NC	NC	NC	Slightly Muddy

NC – Not Collected

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-7

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY **JOB #:** 3292S-03

PROJECT NAME: Background Groundwater Sampling **DATE :** 10/21/04

SAMPLE COLLECTOR(S): C. Davidson

WEATHER CONDITIONS: Light Rain, ~50°F **PID IN WELL (PPM):** 0.0

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 10.16 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 0.1 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 10.06 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.41 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 1.24 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~1.5

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1102 **END:** 1108

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-7	10-21-04 / 1115	3' Disposable Bailer	VOCS 8260B, Total Nitrogen Phosphurous, Plate Count

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
0.93	16.8	6.83	1.55	729	6.92	95	Slightly Muddy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL PW-3

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, N.Y. **JOB #:** 3563S-04

PROJECT NAME: Groundwater Sampling **DATE :** 8/18/05

SAMPLE COLLECTOR(S): C. Davidson

WEATHER CONDITIONS: ~75°F, Sunny **PID IN WELL (PPM):** 17.5

SECTION 2 URGE INFORMATION

DEPTH OF WELL [FT]: 11.90 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 2.00 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 9.9 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.4 **CASING DIA.:** 1.0"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 1.2 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~0.8

PURGE METHOD: 3.0' Disposable Bailer **PURGE START:** 10:41 **END:** 10:48

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
PW-3	8/18/05 – 10:56	3.0' Disposable Bailer	TPH 310.13

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
5.32	21.0	5.03	1.96	>999	8.23	-26	Chemical type odor; Slightly muddy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-07

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, N.Y. **JOB #:** 3563S-04

PROJECT NAME: Groundwater Sampling **DATE :** 8/18/05

SAMPLE COLLECTOR(S): C. Davidson

WEATHER CONDITIONS: ~75°F, Sunny **PID IN WELL (PPM):** 150

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 14.42 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 5.75 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 8.67 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.36 **CASING DIA.:** 1.0"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 1.1 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~0.5

PURGE METHOD: 3.0' Disposable Bailer **PURGE START:** 11:09 **END:** 11:19

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-07	8/18/05 – 11:22	3.0' Disposable Bailer	TPH 310.13

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
7.34	20.9	5.14	1.83	>999	9.47	37.0	Chemical type odor; Slightly muddy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-01

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY **JOB #:** 3563S-04

PROJECT NAME: Groundwater Sampling **DATE :** 05/25/05

SAMPLE COLLECTOR(S): C. Davidson

WEATHER CONDITIONS: ~55 degrees F, Sunny **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 16.89 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 0.5 Above Grade (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 17.39 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 2.8 **CASING DIA.:** 2.0

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 8.4 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~10.0

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 09:13 **END:** 09:20

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-01	05-25-05 / 09:50	3' Disposable Bailer	TCL/TAL OLM04.2 + ILM04.1

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
0.0	9.8	6.04	1.84	512	4.77	239	Slightly Muddy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-03

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY **JOB #:** 3563S-04

PROJECT NAME: Groundwater Sampling **DATE :** 05/25/05

SAMPLE COLLECTOR(S): C. Davidson

WEATHER CONDITIONS: ~60 degrees F, Sunny **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 20.94 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 2.72 Above Grade (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 23.66 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 3.86 **CASING DIA.:** 2.0

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 11.6 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~10.0

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 12:40 **END:** 12:52

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-03	05-25-05 / 13:12	3' Disposable Bailer	TCL VOCS

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
2.72 Above Grade	16.3	5.89	1.81	281	9.76	253	Cloudy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-04

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY **JOB #:** 3563S-04

PROJECT NAME: Groundwater Sampling **DATE :** 05/25/05

SAMPLE COLLECTOR(S): C. Davidson

WEATHER CONDITIONS: ~60 degrees F, Sunny **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 20.24 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 2.2 Above Grade (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 22.44 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 3.66 **CASING DIA.:** 2.0

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
¾" (0.0625)	0.023	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	
1¼" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4½" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 11.0 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~10.0

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 11:04 **END:** 11:14

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-04	05-25-05 / 12:59	3' Disposable Bailer	TCL VOC

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
2.2 Above Grade	11.5	5.99	1.79	104	8.38	254	Clear

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-05

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY **JOB #:** 3563S-04

PROJECT NAME: Groundwater Sampling **DATE :** 05/25/05

SAMPLE COLLECTOR(S): C. Davidson

WEATHER CONDITIONS: ~60 degrees F, Sunny **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 16.34 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 2.1 Above Grade (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 18.44 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 3.0 **CASING DIA.:** 2.0

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 9.0 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~10.0

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 10:08 **END:** 10:18

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-05	05-25-05 / 12:50	3' Disposable Bailer	TCL VOCS

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
2.1 Above Grade	11.6	6.20	1.65	219	8.45	240	Cloudy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-06

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY **JOB #:** 3563S-04

PROJECT NAME: Groundwater Sampling **DATE :** 05/25/05

SAMPLE COLLECTOR(S): C. Davidson

WEATHER CONDITIONS: ~60 degrees F, Sunny **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 23.10 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 2.35 Above Grade (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 25.45 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 4.15 **CASING DIA.:** 2.0

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 12.5 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~10.0

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 11:34 **END:** 11:43

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-06	05-25-05 / 13:08	3' Disposable Bailer	TCL / TAL OLM04.2 + ILM04.1

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
2.35 Above Grade	12.5	6.02	1.27	43.9	11.05	247	Clear

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-07

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY **JOB #:** 3563S-04

PROJECT NAME: Groundwater Sampling **DATE :** 05/25/05

SAMPLE COLLECTOR(S): C. Davidson

WEATHER CONDITIONS: ~60 degrees F, Sunny **PID IN WELL (PPM):** NC - See Development Log

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 11.19 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 1.8 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 9.39 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.38 **CASING DIA.:** 1.0

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
¼" (0.0625)	0.023	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	
1¼" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4½" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 1.15 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~1.0

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 13:00 **END:** 13:07

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-07	05-25-05 / 14:07	3' Disposable Bailer	TCL / TAL OLM04.2 + ILM04.1; TPH 310.13

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
1.8	14.2	6.27	1.67	534	10.31	48	Slightly Muddy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-7

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY **JOB #:** 3563S-04

PROJECT NAME: Groundwater Sampling **DATE :** 05/25/05

SAMPLE COLLECTOR(S): C. Davidson

WEATHER CONDITIONS: ~60 degrees F, Sunny **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 10.25 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: ~0.3 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 9.95 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.40 **CASING DIA.:** 1.0

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)	CALCULATIONS
¾" (0.0625)	0.023	VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT
1" (0.0833)	0.041	
1¼" (0.1041)	0.063	
2" (0.1667)	0.1632	
3" (0.250)	0.380	
4" (0.3333)	0.6528	
4½" (0.375)	0.826	
6" (0.5000)	1.4688	
8" (0.666)	2.611	

CALCULATED PURGE VOLUME [GAL]: 1.2 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~1.5

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 13:39 **END:** 13:49

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-7	05-25-05 / 14:29	3' Disposable Bailer	TCL VOCS; TPH 310.13

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
~0.3	14.5	6.14	1.55	662	8.65	186	Slightly Muddy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL PW-3

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY **JOB #:** 3563S-04

PROJECT NAME: Groundwater Sampling **DATE :** 05/25/05

SAMPLE COLLECTOR(S): C. Davidson

WEATHER CONDITIONS: ~60 degrees F, Sunny **PID IN WELL (PPM):** 0.0

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 12.81 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 2.32 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 10.49 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.43 **CASING DIA.:** 1.0

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 1.3 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~1.5

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 13:21 **END:** 13:30

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
PW-3	05-25-05 / 14:19	3' Disposable Bailer	TCL VOCS; TPH 310.13

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
2.38	18.3	5.80	1.79	678	6.68	~66	Cloudy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL PW-2

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, New York **JOB #:** 3563S-04

PROJECT NAME: Groundwater sampling **DATE :** 01/12/06

SAMPLE COLLECTOR(S): C. Davidson; M. Dickinson

WEATHER CONDITIONS: ~50 degrees F, Sunny **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 13.50 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 0.83' (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 12.67 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.52 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 1.56 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~1.5

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1238 **END:** 1245

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
PW-2	01/12/06 1250	3' Disposable Bailer	Halocarbons 8260 VOCS

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
0.83	15.7	6.49	1.37	>999	5.15	246	Muddy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL PW-3

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, New York **JOB #:** 3563S-04

PROJECT NAME: Groundwater sampling **DATE :** 01/12/06

SAMPLE COLLECTOR(S): C. Davidson; M. Dickinson

WEATHER CONDITIONS: ~50 degrees F, Sunny **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 11.90 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 1.46' (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 10.44 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.43 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 1.28 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~1.5

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1255 **END:** 1301

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
PW-3	01/12/06 1306	3' Disposable Bailer	Halocarbons 8260 VOCS

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
1.46	17.7	6.0	1.86	>999	5.68	30	Muddy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-02

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, New York **JOB #:** 3563S-04

PROJECT NAME: Groundwater sampling **DATE :** 01/12/06

SAMPLE COLLECTOR(S): C. Davidson; M. Dickinson

WEATHER CONDITIONS: ~50 degrees F, Sunny **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: ~21.5 (from Grade) (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 2.16' (above Grade) (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 23.66 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 3.86 **CASING DIA.:** 2"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 11.58 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~10.0

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1320 **END:** 1330

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-02	01/12/06 1335	3' Disposable Bailer	Halocarbons 8260 VOCS

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
2.16 (above Grade)	12.0	6.80	1.76	76.9	6.70	100	Cloudy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-03

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, New York **JOB #:** 3563S-04.

PROJECT NAME: Groundwater sampling **DATE :** 01/12/06.

SAMPLE COLLECTOR(S): C. Davidson; M. Dickinson.

WEATHER CONDITIONS: ~50 degrees F, Sunny **PID IN WELL (PPM):** NC.

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 20.93 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 3.50' (above Grade) (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 24.43 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 3.99 **CASING DIA.:** 2".

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 11.96 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~10.0.

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1148 **END:** 1155.

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-03	01/12/06 1200	3' Disposable Bailer	Halocarbons 8260 VOCS

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
3.50 (above Grade)	14.7	5.47	1.86	112.0	9.66	260	Cloudy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-04

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, New York **JOB #:** 3563S-04

PROJECT NAME: Groundwater sampling **DATE :** 01/12/06

SAMPLE COLLECTOR(S): C. Davidson; M. Dickinson

WEATHER CONDITIONS: ~50 degrees F, Sunny **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 20.24 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: ~3.02' (above Grade) (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 23.36 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 3.79 **CASING DIA.:** 2"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 11.38 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~10.0

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1140 **END:** 1156

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-04	01/12/06 1205	3' Disposable Bailer	Halocarbons 8260 VOCS

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
3.02 (above Grade)	13.3	6.24	1.79	23.0	7.15	253	Cloudy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-05

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, New York **JOB #:** 3563S-04

PROJECT NAME: Groundwater sampling **DATE :** 01/12/06

SAMPLE COLLECTOR(S): C. Davidson; M. Dickinson

WEATHER CONDITIONS: ~50 degrees F, Sunny **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 16.34 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 2.33' (above Grade) (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 18.67 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 3.05 **CASING DIA.:** 2"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 9.14 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~10.0

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1220 **END:** 1234

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-05	01/12/06 1237	3' Disposable Bailer	Halocarbons 8260 VOCS

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
2.33 (above Grade)	10.5	6.23	1.73	116	6.11	261	Cloudy

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-06

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, New York **JOB #:** 3563S-04

PROJECT NAME: Groundwater sampling **DATE :** 01/12/06

SAMPLE COLLECTOR(S): C. Davidson; M. Dickinson

WEATHER CONDITIONS: ~50 degrees F, Sunny **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 23.11 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 3.3' (above Grade) (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 26.41 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 4.3 **CASING DIA.:** 2"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 12.9 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~10.0

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1108 **END:** 1118

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-06	01/12/06 1125	3' Disposable Bailer	Halocarbons 8260 VOCS

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
3.30 (above Grade)	11.8	5.88	1.30	40.9	6.61	244	Clear

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL MW-07

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, New York **JOB #:** 3563S-04

PROJECT NAME: Groundwater sampling **DATE :** 01/12/06

SAMPLE COLLECTOR(S): C. Davidson; M. Dickinson

WEATHER CONDITIONS: ~50 degrees F, Sunny **PID IN WELL (PPM):** NC

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 14.42 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 4.95' (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 9.47 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: 0.39 **CASING DIA.:** 1"

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: 1.16 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~1.5

PURGE METHOD: 3' Disposable Bailer **PURGE START:** 1210 **END:** 1217

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-07	01/12/06 1223	3' Disposable Bailer	Halocarbons 8260 VOCS

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
4.95	11.6	6.33	1.81	>999	6.63	268	Muddy

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW- 204

Readings Only per RLK

SECTION 1 - SITE AND WELL INFO ATION

SITE LOCATION	5 Hunt Rd. Jamestown, NY	JOB #	35635-04
PROJECT NAME:	Anderson Cleaners	DATE:	8-8-06
SAMPLE COLLECTOR(S):	M. Dickinson	WEATHER:	77°F Sunny
PID READING IN WELL HEADSPACE (PPM):	—	MEASURING POINT:	TOC
CASING TYPE:	PVC	WELL DIAMETER (INCHES):	4
SCREENED INTERVAL [FT]:		WATER LEVEL (SWL) [FT]:	0.81
WELL DEPTH [FT]: (Do NOT Measure Well depth Prior To Purging And Sampling)	15.40	DEPTH OF PUMP INTAKE [FT]:	10.0
LNAPL:	—	DNAPL:	—
OTHER OBSERVATIONS:	—		

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX:	QED MP-10	TUBING TYPE:	1/4" Water , 1/8" Air
WATER QUALITY METER:	Horiba U-22	WATER LEVEL METER:	Heron Dipper-T
PUMP TYPE:	¾" Bladder	PURGE GAS:	Air
CONTROL BOX DISCHARGE RATE:	1	CONTROL BOX REFILL RATE:	5
STABILIZED PUMP RATE (ml/min):	200	STABILIZED DRAWDOWN WATER LEVEL [FT]:	0.79

SECTION 3 – WATER Q ALITY DATA MONITORING

Time	Pumping Rate (m min)	Water Level (ft)	DO (mg/L	ORP (mv)	Tur idity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (L) ml
15:13	200	0.79	2.16	100	77.3	1.48	5.81	17.8	
15:16			1.54	95	34.3	1.48	5.82	17.8	
15:19			1.41	93	38.4	1.48	5.81	17.8	
15:22			1.27	90	51.9	1.48	5.81	17.8	
15:25			1.21	89	62.5	1.48	5.81	17.7	
15:28			1.14	87	71.2	1.48	5.81	17.7	
15:31			1.07	86	41.0	1.48	5.82	17.7	
15:34			1.05	85	63.1	1.48	5.82	17.7	
15:37			1.02	84	55.8	1.48	5.82	17.7	
15:40			0.99	82	68.6	1.48	5.82	17.7	
15:43			0.94	80	42.4	1.48	5.82	17.6	
15:46	—	—	0.91	79	60.3	1.48	5.87	17.6	
	SAMPLE OBSERVATIONS: Slightly cloudy, chemical Odor								

SECTION 4 - SAMPLEE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTI AL SCAN S)
NA	NA	Bladder Pump	NA

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

Low Flow Sample

WELL ~~MW~~ PW-2

SECTION 1 – SITE / WELL INFO / PURGING

SITE LOCATION	5 Hunt Rd. Jamestown, NY	JOB #	35635-04
PROJECT NAME:	Anderson cleaners	DATE:	8-8-06
SAMPLE COLLECTOR(S):	M. Dickinson	WEATHER:	77°F sunny
PID READING IN WELL HEADSPACE (PPM):	–	MEASURING POINT:	TOC
CASING TYPE:	PVC	WELL DIAMETER (INCHES):	1
SCREENED INTERVAL [FT]:		WATER LEVEL (SWL) [FT]:	1.70
WELL DEPTH [FT]: (Do NOT Measure Well depth Prior To Purging And Sampling)	14.50	DEPTH OF PUMP INTAKE [FT]:	9.0
LNAPL:	–	DNAPL:	–
OTHER OBSERVATIONS:	–		

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX:	QED MP-10	TUBING TYPE:	1/4" Water , 1/8" Air
WATER QUALITY METER:	Horiba U-22	WATER LEVEL METER:	Herron Dipper-T
PUMP TYPE:	¾" Bladder	PURGE GAS:	Air
CONTROL BOX DISCHARGE RATE:	1	CONTROL BOX REFILL RATE:	5
STABILIZED PUMP RATE (ml/min):	185	STABILIZED DRAWDOWN WATER LEVEL [FT]:	1.68

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (L)
13:05	185	1.68	1.81	92	672.0	1.44	5.92	20.9	185
13:08	"	"	0.75	45	388.0	1.39	5.97	20.4	"
13:11	"	"	0.58	23	206.0	1.38	5.99	20.4	"
13:14	"	"	0.47	-1	99.0	1.34	6.00	20.4	"
13:17	"	"	0.46	-3	122.0	1.34	6.00	20.4	"
13:20	"	"	0.44	-9	108.0	1.32	6.01	20.4	"
13:23	"	"	0.41	-15	83.2	1.30	6.01	20.5	"
13:26	"	"	0.38	-20	78.9	1.29	6.02	20.4	"
13:29	"	"	0.36	-25	75.7	1.28	6.04	20.5	"
13:32	"	"	0.33	-26	75.2	1.29	6.04	20.5	"
13:33	"	"	0.31	-27	73.7	1.29	6.04	20.5	"
13:38	"	"	0.30	-30	71.3	1.28	6.04	20.5	"

SAMPLE OBSERVATIONS: A cloudy at 1st, clear at end

SECTION 4 - SAMPLE ID / NOTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
~~MW~~	~~MW~~	Bladder Pump	~~MW~~

PW-2 8-8-06/13:40 STARS List VOCs 8260

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

Low Flow Sample WELL [redacted] PW-3

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Rd. Jamestown, NY JOB #: 35635-04

PROJECT NAME: Anderson Cleaners DATE: 8-8-06

SAMPLE COLLECTOR(S): M. Dickinson WEATHER: 77°F Sunny

PID READING IN WELL HEADSPACE (PPM): — MEASURING POINT: TOC

CASING TYPE: PVC WELL DIAMETER (INCHES): 1

SCREENED INTERVAL [FT]: WATER LEVEL (SWL) [FT]: 2.02

WELL DEPTH [FT]: 14.50 DEPTH OF PUMP INTAKE [FT]: 9.0

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: — DNAPL: — OTHER OBSERVATIONS: —

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 TUBING TYPE: 1/4" Water, 1/8" Air

WATER QUALITY METER: Horiba U-22 WATER LEVEL METER: Heron Dipper-T

PUMP TYPE: ¾" Bladder PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1 CONTROL BOX REFILL RATE: 5

STABILIZED PUMP RATE (ml/min): 190 STABILIZED DRAWDOWN WATER LEVEL [FT]: 1.99

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level ( )	DO (mg/L)	ORP (mv)	Turbidity (TU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (L) ml
14:31	190	1.99	1.74	-105	78.3	1.66	5.10	21.4	190
14:34	"	"	1.05	-120	54.3	1.66	5.14	21.2	
14:37	"	"	1.52	-132	44.6	1.65	5.16	21.1	
14:40	"	"	1.79	-139	40.2	1.65	5.19	21.1	
14:43	"	"	2.11	-141	46.9	1.65	5.20	21.0	
14:46	"	"	2.44	-144	37.5	1.64	5.22	21.0	
14:49	"	"	2.59	-143	35.2	1.64	5.24	20.9	
14:52 ~~15:02~~	"	"	2.61	-143	35.1	1.64	5.25	21.0	
14:55 ~~15:05~~	"	"	2.58	-142	42.6	1.63	5.26	21.0	
14:58	"	"	2.57	-142	44.6	1.63	5.27	21.0	
15:01	"	"	2.58	-143	48.4	1.63	5.27	21.0	
15:04	"	"	2.52	-144	45.2	1.63	5.28	21.0	

SAMPLE OBSERVATIONS: Cloudy, Chemical Odor.

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
~~DEA~~ PW-3	8-8-06 / 15:10	Bladder Pump	STARS List VOCs 8260

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL ~~MW-~~ PW-2 (Boiler Room)

Readings Only

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION	S Hunt Rd. Jamestown, NY	JOB #	35635-04
PROJECT NAME:	Anderson Cleaners	DATE:	9-12-06
SAMPLE COLLECTOR(S):	M. Dickinson	WEATHER:	60°F cloudy, light rain
PID READING IN WELL HEADSPACE (PPM):	—	MEASURING POINT:	TOC
CASING TYPE:	PVC	WELL DIAMETER (INCHES):	1
SCREENED INTERVAL [FT]:		WATER LEVEL (SWL) [FT]:	1.32
WELL DEPTH [FT]: (Do NOT Measure Well depth Prior To Purging And Sampling)	14.5	DEPTH OF PUMP INTAKE [FT]:	~~13~~ 9
LNAPL:	—	DNAPL:	—
OTHER OBSERVATIONS:	Air Hose was in ~~Pump~~ well		

SECTIO 2 – SAMPLING EQUIPMENT

CONTROL BOX:	QED # MP-10	TUBING TYPE:	1/4" Water , 1/8" Air
WATER QUALITY METER:	Horiba U-22	WATER LEVEL METER:	Heron Dipper-T SWL
PUMP TYPE:	¾" Bladder	PURGE GAS:	Air
CONTROL BOX DISCHARGE RATE:	1	CONTROL BOX REFILL RATE:	5
STABILIZED PUMP RATE (ml/min):	180	STABILIZED DRAWDOWN WATER LEVEL [FT]:	~~1.50~~ 1.30

SECTION 3 – WATER QUALITY DAT MO ITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (L) ml/
~~14:37~~	180	1.50	2.36	-122	77.0	2.08	6.64	20.0	~~250~~
14:40			0.87	-142	72.5	2.09	6.80	20.0	
14:43			0.64	-152	72.2	2.09	6.84	20.0	
14:46			0.49	-160	64.4	2.10	6.86	20.0	
14:49			0.46	-165	63.1	2.10	6.89	20.0	
14:52 ~~14:52~~			0.46	-171	55.3	2.14	6.90	20.0	
14:55			0.51	-174	58.9	2.14	6.91	20.0	
14:58			0.54	-174	55.4	2.13	6.91	20.0	
15:01			0.51	-174	56.1	2.14	6.90	20.0	

SAMPLE OBSERVATIONS: Foul Odor

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL L ORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTIC SCAN(S)
~~PW-2 DUP~~ None	~~9-12-06~~	Bladder Pump	~~Microbac~~ None

~~PW-2 MS~~ ~~PW-2 MSD~~

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL PW-3

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Rd. Jamestown, NY **JOB #:** 35635-04

PROJECT NAME: Anderson Cleaners **DATE:** 9-12-06

SAMPLE COLLECTOR(S): M. Dickinson

WEATHER CONDITIONS: 58°F Rain **PID IN WELL (PPM):** —

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 14.50 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 1.27 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: 13.23 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: ~0.54 **CASING DIA.:** 1

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: ~1.63 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~1.65

PURGE METHOD: 3" Disposable Bailer **PURGE START:** 16:20 **END:** 16:38

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
PW-3	9-12-06/16:40	Bailer - Grab	Microbes VOCs 8260

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
1.27	21.1	6.41	2.01	174.0	2.21	-133	Yellow, Chemical Odor

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW- 7.1

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Rd. Jamestown, NY | JOB #: 35635-04

PROJECT NAME: Anderson Cleaners | DATE: 9-12-06

SAMPLE COLLECTOR(S): M. Dickinson | WEATHER: 60°F Cloudy, light Rain

PID READING IN WELL HEADSPACE (PPM): — | MEASURING POINT: TOC

CASING TYPE: PVC | WELL DIAMETER (INCHES): 1

SCREENED INTERVAL [FT]: | WATER LEVEL (SWL) [FT]: TOC

WELL DEPTH [FT]: ? | DEPTH OF PUMP INTAKE [FT]: 8

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: — | DNAPL: — | OTHER OBSERVATIONS: Air hose was in well

SECTION 2 - SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 | TUBING TYPE: 1/4" Water, 1/8" Air

WATER QUALITY METER: Horiba U-22 | WATER LEVEL METER: Herron Dipper-T SWL

PUMP TYPE: ¾" Bladder | PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1 | CONTROL BOX REFILL RATE: 5

STABILIZED PUMP RATE (ml/min): 185 | STABILIZED DRAWDOWN WATER LEVEL [FT]: 0.30

SECTION 3 - WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (L) ml
15:33	185	0.50	3.28	112	43.9	1.73	5.95	17.3	250
15:36			1.13	90	51.2	1.72	6.10	17.2	
15:39			0.68	78	47.5	1.70	6.17	17.2	
15:42			0.47	70	47.6	1.70	6.22	17.2	
15:45			0.30	62	42.3	1.69	6.26	17.1	
15:48			0.28	60	42.0	1.69	6.26	17.1	
15:51			0.25	59	44.0	1.69	6.27	17.1	
15:54			0.21	58	45.8	1.69	6.28	17.1	
15:57			0.17	56	47.1	1.69	6.30	17.1	

SAMPLE OBSERVATIONS: ~

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN S)
MW-7.1 Microbes	9-12-06 / 16:05	Bladder Pump	Microbes
MW-7.1 VOC			VOCs 8260

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW- 204

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Rd Jamestown, NY **JOB #:** 35635-04

PROJECT NAME: Anderson cleaners **DATE:** 9-12-06

SAMPLE COLLECTOR(S): M. Dickinson **WEATHER:** 58°F Rain

PID READING IN WELL HEADSPACE (PPM): _____ **MEASURING POINT:** TOC

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 4

SCREENED INTERVAL [FT]: _____ **WATER LEVEL (SWL) [FT]:** 0.89

WELL DEPTH [FT]: 15.40 **DEPTH OF PUMP INTAKE [FT]:** 14

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: — **DNAPL:** — **OTHER OBSERVATIONS:** Foamy, Faul Odor

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED ~ **TUBING TYPE:** 1/4" Water, 1/8" Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** Heron Dipper T SWL

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 1 **CONTROL BOX REFILL RATE:** 5

STABILIZED PUMP RATE (ml/min): 250 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 1.31

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (L) ml
18:00	250	1.31	3.13	-21	89.8	1.74	6.32	16.2	250
18:03			1.39	-41	80.8	1.74	6.30	16.2	
18:06			0.86	-56	77.4	1.73	6.38	16.2	
18:09			0.61	-64	73.6	1.73	6.43	16.2	
18:12			0.57	-69	71.2	1.72	6.44	16.2	
18:15			0.51	-71	70.8	1.73	6.44	16.1	
18:18			0.47	-78	65.4	1.73	6.44	16.1	

SAMPLE OBSERVATIONS: N/A

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
None	Readings Only	Bladder Pump	None

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL ~~B-3~~ MW-03

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Rd. Jamestown, NY JOB #: 35635-04.

PROJECT NAME: Anderson Cleaners DATE: 9-12-06

SAMPLE COLLECTOR(S): M. Dickinson

WEATHER CONDITIONS: ~~B~~ 58°F Rain PID IN WELL (PPM): —

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: — (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: +2.50 (MEASURED FROM T.O.C.)

THICKNESS OF WATER COLUMN [FT]: — (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: — CASING DIA.: —

CALCULATIONS: ↳ Antison

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¼" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: — (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: —

PURGE METHOD: 3' Disposable Bailer PURGE START: — END: —

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
B-3	9-12-06 / 17:20	Bailer - Grab	Microbes VOCs 8260

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
+2.50	17.6	5.66	1.84	52.2	8.26	138	Clear

DAY ENVIRONMENTAL, INC.
MONITORING WELL SAMPLING LOG

WELL ~~MW-10~~ MW-07

SECTION 1 - SITE INFORMATION

SITE LOCATION: 5 Hunt Rd. Jamestown, NY JOB #: 35635-04

PROJECT NAME: Anderson cleaners DATE: 9-12-06

SAMPLE COLLECTOR(S): M. Dickinson

WEATHER CONDITIONS: 58°F Rain PID IN WELL (PPM): _____

SECTION 2 - PURGE INFORMATION

DEPTH OF WELL [FT]: 10.75 (MEASURED FROM TOP OF CASING - T.O.C.)

STATIC WATER LEVEL (SWL) [FT]: 1.76 (MEASURED FROM T.O.C.) Height of Pipe 3.40 from ground surface

THICKNESS OF WATER COLUMN [FT]: 8.99 (DEPTH OF WELL - SWL)

CALCULATED VOL. OF H_2O PER WELL CASING [GAL]: ~0.37 CASING DIA.: 1

CALCULATIONS:

CASING DIA. (FT)	WELL CONSTANT(GAL/FT)
¾" (0.0625)	0.023
1" (0.0833)	0.041
1¼" (0.1041)	0.063
2" (0.1667)	0.1632
3" (0.250)	0.380
4" (0.3333)	0.6528
4½" (0.375)	0.826
6" (0.5000)	1.4688
8" (0.666)	2.611

CALCULATIONS
VOL. OF H_2O IN CASING = DEPTH OF WATER COLUMN X WELL CONSTANT

CALCULATED PURGE VOLUME [GAL]: ~1.1 (3 TIMES CASING VOLUME)

ACTUAL VOLUME PURGED [GAL]: ~1.0

PURGE METHOD: 3' Disposable Bailer PURGE START: 17:30 END: 17:45

SECTION 3 - SAMPLE IDENTIFICATION AND TEST PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
B-10	9-12-06 / 17:48	Bailer - Grab	Microbes VOCs 8260

SECTION 4 - WATER QUALITY DATA

SWL (FT)	TEMP (°C)	pH	CONDUCTIVITY (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	ORP (mV)	VISUAL
1.76	19.1	5.90	1.85	665.0	5.45	130	cloudy, slightly yellow color, slight chemical odor

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-03 (B-3)

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY — JOB #: 3563S-04

PROJECT NAME: Anderson Cleaners — DATE: 1/4/07

SAMPLE COLLECTOR(S): M. Dickinson — WEATHER: 50° F, Sunny

PID READING IN WELL HEADSPACE (PPM): NC — MEASURING POINT: TOC 43" AGS

CASING TYPE: PVC — WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT]: — WATER LEVEL (SWL) [FT]: 3.5

WELL DEPTH [FT]: — DEPTH OF PUMP INTAKE [FT]: 13

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: None — DNAPL: None — OTHER OBSERVATIONS: None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED Well Wizard — TUBING TYPE: 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 — WATER LEVEL METER: Solinst 101-30 Mini

PUMP TYPE: ¾" Bladder — PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1 — CONTROL BOX REFILL RATE: 7

STABILIZED PUMP RATE (ml/min): 400 — STABILIZED DRAWDOWN WATER LEVEL [FT]: 3.52

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
15:00	400	3.52	1.21	150	647.0	2.12	6.72	13.8	800
15:03	400	3.52	0.06	143	461.0	2.12	6.74	13.9	2000
15:06	400	3.52	0.00	136	200.0	2.12	6.75	13.9	3200
15:09	400	3.52	0.00	130	142.0	2.11	6.75	13.9	4400
15:12	400	3.52	0.00	121	113.0	2.11	6.75	13.9	5600
15:15	400	3.52	0.00	101	94.0	2.11	6.75	13.9	6800
15:18	400	3.52	0.00	97	77.2	2.11	6.75	13.9	8000

SAMPLE OBSERVATIONS: Slightly cloudy

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
No sample collected			

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-04 (B-4)

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY — JOB #: 3563S-04

PROJECT NAME: Anderson Cleaners — DATE: 1/4/07

SAMPLE COLLECTOR(S): M. Dickinson — WEATHER: 50° F, Sunny

PID READING IN WELL HEADSPACE (PPM): NC — MEASURING POINT: TOC 44" AGS

CASING TYPE: PVC — WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT]: — WATER LEVEL (SWL) [FT]: 1.11

WELL DEPTH [FT]: — DEPTH OF PUMP INTAKE [FT]: 13

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: None — DNAPL: None — OTHER OBSERVATIONS: None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED Well Wizard — TUBING TYPE: 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 — WATER LEVEL METER: Solinst 101-30 Mini

PUMP TYPE: ¾" Bladder — PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1 — CONTROL BOX REFILL RATE: 10

STABILIZED PUMP RATE (ml/min): 150 — STABILIZED DRAWDOWN WATER LEVEL [FT]: 1.84

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
16:00	150	1.84	1.44	144	344.0	1.81	6.89	12.4	800
16:03	150	1.84	0.31	113	221.0	1.82	6.90	12.5	1250
16:06	150	1.84	0.00	108	186.0	1.82	6.90	12.5	1700
16:09	150	1.84	0.00	96	112.0	1.82	6.89	12.5	2150
16:12	150	1.84	0.00	81	94.0	1.82	6.90	12.5	2600
16:15	150	1.84	0.00	76	83.1	1.82	6.90	12.5	3050
16:18	150	1.84	0.00	73	68.2	1.82	6.90	12.5	3500

SAMPLE OBSERVATIONS: ~

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-04	1-4-07 / 16:20	Bladder Pump	Halogenated VOCs 8260

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-06 (B-6)

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY — JOB #: 3563S-04

PROJECT NAME: Anderson Cleaners — DATE: 1/4/07

SAMPLE COLLECTOR(S): M. Dickinson — WEATHER: 50° F, Sunny

PID READING IN WELL HEADSPACE (PPM): NC — MEASURING POINT: TOC 45" AGS

CASING TYPE: PVC — WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT]: — WATER LEVEL (SWL) [FT]: 7.00

WELL DEPTH [FT]: 26.65 — DEPTH OF PUMP INTAKE [FT]: 15.0
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: None — DNAPL: None — OTHER OBSERVATIONS: None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED Well Wizard — TUBING TYPE: 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 — WATER LEVEL METER: Solinst 101-30 Mini

PUMP TYPE: ¾" Bladder — PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1 — CONTROL BOX REFILL RATE: 5

STABILIZED PUMP RATE (ml/min): 450 — STABILIZED DRAWDOWN WATER LEVEL [FT]: 7.01

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
12:24	450	7.01	4.24	142	25.0	1.35	6.94	11.7	900
12:27	450	7.01	0.00	130	30.1	1.35	6.87	11.5	2250
12:30	450	7.01	0.00	123	23.3	1.34	6.88	11.6	3600
12:33	450	7.01	0.00	120	12.5	1.34	6.87	11.7	4950
12:36	450	7.01	0.00	119	7.1	1.33	6.87	11.8	6300
12:39	450	7.01	0.00	117	9.2	1.33	6.88	11.8	7650
12:42	450	7.01	0.00	115	7.4	1.33	6.88	11.8	9000
	SAMPLE OBSERVATIONS: Clear								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-06	1-4-07 / 12:45	Bladder Pump	Halogenated VOCs 8260

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-07 (B-10)

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY — JOB #: 3563S-04

PROJECT NAME: Anderson Cleaners — DATE: 1/4/07

SAMPLE COLLECTOR(S): M. Dickinson — WEATHER: 50° F, Sunny

PID READING IN WELL HEADSPACE (PPM): NC — MEASURING POINT: TOC 43.5" AGS

CASING TYPE: PVC — WELL DIAMETER (INCHES): 1

SCREENED INTERVAL [FT]: _____ — WATER LEVEL (SWL) [FT]: 3.56

WELL DEPTH [FT]: _____ — DEPTH OF PUMP INTAKE [FT]: 12

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: None — DNAPL: None — OTHER OBSERVATIONS: None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED Well Wizard — TUBING TYPE: 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 — WATER LEVEL METER: Solinst 101-30 Mini

PUMP TYPE: ¾" Bladder — PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1 — CONTROL BOX REFILL RATE: 20

STABILIZED PUMP RATE (ml/min): 65 — STABILIZED DRAWDOWN WATER LEVEL [FT]: 3.94

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
15:27	65	3.94	0.11	144	386.0	2.00	6.94	11.5	630
15:30	65	3.94	0.00	134	301.0	2.00	6.94	11.5	825
15:33	65	3.94	0.00	133	240.0	2.00	6.94	11.5	1020
15:36	65	3.94	0.00	131	189.0	2.00	6.94	11.5	1215
15:39	65	3.94	0.00	126	143.0	2.00	6.94	11.5	1410
15:42	65	3.94	0.00	121	122.0	2.00	6.94	11.5	1605
15:45	65	3.94	0.00	115	111.0	2.00	6.94	11.5	1800
	SAMPLE OBSERVATIONS: Slightly cloudy								

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-07	1-4-07 / 15:48	Bladder Pump	Halogenated VOCs 8260

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-201 (TB-202)

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY — JOB #: 3563S-04

PROJECT NAME: Anderson Cleaners — DATE: 1/4/07

SAMPLE COLLECTOR(S): M. Dickinson — WEATHER: 50° F, Sunny

PID READING IN WELL HEADSPACE (PPM): NC — MEASURING POINT: TOC

CASING TYPE: PVC — WELL DIAMETER (INCHES): 1

SCREENED INTERVAL [FT]: — WATER LEVEL (SWL) [FT]: 2.32

WELL DEPTH [FT]: — DEPTH OF PUMP INTAKE [FT]: 12
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: None — DNAPL: None — OTHER OBSERVATIONS: None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED Well Wizard — TUBING TYPE: 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 — WATER LEVEL METER: Solinst 101-30 Mini

PUMP TYPE: ¾" Bladder — PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1 — CONTROL BOX REFILL RATE: 30

STABILIZED PUMP RATE (ml/min): 50 — STABILIZED DRAWDOWN WATER LEVEL [FT]: 2.97

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
13:25	50	2.97	1.65	167	-5.0 B	1.39	7.12	9.5	600
13:28	50	2.97	1.10	157	-5.0 B	1.39	7.11	9.5	750
13:31	50	2.97	0.75	132	-5.0 B	1.41	7.09	9.4	900
13:34	50	2.97	0.71	129	-5.0 B	1.41	7.09	9.4	1050
13:37	50	2.97	0.57	119	-5.0 B	1.41	7.09	9.4	1200
13:40	50	2.97	0.38	103	-5.0 B	1.42	7.08	9.4	1350
13:43	50	2.97	0.20	81	-5.0 B	1.43	7.08	9.4	1500
13:46	50	2.97	0.13	69	-5.0 B	1.43	7.08	9.4	1650

SAMPLE OBSERVATIONS: Cloudy

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-201	1-4-07 / 13:48	Bladder Pump	Halogenated VOCs 8260

B = Blinking

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-206 (TB-208)

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY — JOB #: 3563S-04

PROJECT NAME: Anderson Cleaners — DATE: 1/4/07

SAMPLE COLLECTOR(S): M. Dickinson — WEATHER: 50° F, Sunny

PID READING IN WELL HEADSPACE (PPM): NC — MEASURING POINT: TOC

CASING TYPE: PVC — WELL DIAMETER (INCHES): 4

SCREENED INTERVAL [FT]: — WATER LEVEL (SWL) [FT]: 1.31

WELL DEPTH [FT]: — DEPTH OF PUMP INTAKE [FT]: 10
(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: None — DNAPL: None — OTHER OBSERVATIONS: None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED Well Wizard — TUBING TYPE: 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 — WATER LEVEL METER: Solinst 101-30 Mini

PUMP TYPE: ¾" Bladder — PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1 — CONTROL BOX REFILL RATE: 5

STABILIZED PUMP RATE (ml/min): 200 — STABILIZED DRAWDOWN WATER LEVEL [FT]: 1.33

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
14:20	200	1.33	0.68	133	716.0	1.68	6.93	12.2	800
14:23	200	1.33	0.00	119	407.0	1.67	6.93	12.3	1400
14:26	200	1.33	0.00	112	282.0	1.68	6.92	12.3	2000
14:29	200	1.33	0.00	106	190.0	1.68	6.93	12.3	2600
14:32	200	1.33	0.00	102	166.0	1.68	6.92	12.3	3200
14:35	200	1.33	0.00	98	151.0	1.68	6.93	12.3	3800
14:38	200	1.33	0.00	93	141.0	1.68	6.93	12.3	4400

SAMPLE OBSERVATIONS: Slightly cloudy

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
No sample collected			

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-208 (TB-210)

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY — JOB #: 3563S-04

PROJECT NAME: Anderson Cleaners — DATE: 1/4/07

SAMPLE COLLECTOR(S): M. Dickinson — WEATHER: 50° F, Sunny

PID READING IN WELL HEADSPACE (PPM): NC — MEASURING POINT: TOC 37" AGS

CASING TYPE: PVC — WELL DIAMETER (INCHES): 4

SCREENED INTERVAL [FT]: — WATER LEVEL (SWL) [FT]: 4.86

WELL DEPTH [FT]: 17.24 — DEPTH OF PUMP INTAKE [FT]: 13.0

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: None — DNAPL: None — OTHER OBSERVATIONS: None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED Well Wizard — TUBING TYPE: 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 — WATER LEVEL METER: Solinst 101-30 Mini

PUMP TYPE: ¾" Bladder — PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1 — CONTROL BOX REFILL RATE: 7

STABILIZED PUMP RATE (ml/min): 150 — STABILIZED DRAWDOWN WATER LEVEL [FT]: 5.10

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
11:46	150	5.10	0.99	49	19.1	1.36	6.94	10.1	650
11:49	150	5.10	0.04	4	28.3	1.34	6.99	9.9	1100
11:52	150	5.10	0.00	-12	33.0	1.33	7.01	9.8	1550
11:55	150	5.10	0.00	-27	25.9	1.33	7.01	9.8	2000
11:58	150	5.10	0.00	-33	19.3	1.33	7.02	9.9	2400
12:01	150	5.10	0.00	-40	19.9	1.33	7.01	9.9	2900
12:04	150	5.10	0.00	-44	21.7	1.33	7.02	9.9	3350
12:07	150	5.10	0.00	-47	19.3	1.33	7.02	9.9	3800

SAMPLE OBSERVATIONS: Clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
No sample collected			

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-04

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY
JOB #: 3563S-04
PROJECT NAME: Anderson Cleaners
DATE: 2-13-07
SAMPLE COLLECTOR(S): M. Dickinson
WEATHER: 20°F Cloudy

PID READING IN WELL HEADSPACE (PPM): NC
MEASURING POINT: TOC
CASING TYPE: PVC
WELL DIAMETER (INCHES): 2
SCREENED INTERVAL [FT]: —
WATER LEVEL (SWL) [FT]: 3.26 AGS
WELL DEPTH [FT]: 20.24
(Do NOT Measure Well depth Prior To Purging And Sampling)
DEPTH OF PUMP INTAKE [FT]: 16.0
LNAPL: None
DNAPL: None
OTHER OBSERVATIONS: None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10
TUBING TYPE: 1/4" Water , 1/8" Air
WATER QUALITY METER: Horiba U-22
WATER LEVEL METER: Solinst Mini 101-30'
PUMP TYPE: ¾" Bladder
PURGE GAS: Air
CONTROL BOX DISCHARGE RATE: 1
CONTROL BOX REFILL RATE: 10
STABILIZED PUMP RATE (ml/min): 225
STABILIZED DRAWDOWN WATER LEVEL [FT]: 3.26

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
13:58	225	3.26	1.26	120	21.1	2.11	6.92	9.8	1225
14:01			1.01	116	19.6	2.04	6.91	9.8	
14:04			0.92	114	14.4	1.96	6.91	9.9	
14:07			0.90	112	12.1	1.84	6.91	9.9	
14:10			0.89	108	10.0	1.79	6.91	9.9	

SAMPLE OBSERVATIONS: ~

SECTION 4 – SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-04	2-13-07/14:10	Bladder Pump	Halogenated VOCs 8260

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-06

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY
JOB #: 3563S-04
PROJECT NAME: Anderson Cleaners
DATE: 2-13-07
SAMPLE COLLECTOR(S): M. Dickinson
WEATHER: 20°F cloudy

PID READING IN WELL HEADSPACE (PPM): NC
MEASURING POINT: TOC (53" KGS)
CASING TYPE: PVC
WELL DIAMETER (INCHES): 2
SCREENED INTERVAL [FT]: —
WATER LEVEL (SWL) [FT]: 1.75 from TOC
WELL DEPTH [FT]: 23.11
(Do NOT Measure Well depth Prior To Purging And Sampling)
DEPTH OF PUMP INTAKE [FT]: 10
LNAPL: None
DNAPL: None
OTHER OBSERVATIONS: None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10
TUBING TYPE: 1/4" Water, 1/8" Air
WATER QUALITY METER: Horiba U-22
WATER LEVEL METER: Solinst Mini 101-30'
PUMP TYPE: ¾" Bladder
PURGE GAS: Air
CONTROL BOX DISCHARGE RATE: 1
CONTROL BOX REFILL RATE: 5
STABILIZED PUMP RATE (ml/min): 325
STABILIZED DRAWDOWN WATER LEVEL [FT]: 1.75

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (ml)
11:00	325	1.75	0.45	153	9.6	1.30	6.90	10.0	1000
11:03			0.40	146	9.5	1.32	6.91	9.5	1650
11:06			0.38	142	6.6	1.31	6.91	9.5	
11:09			0.35	140	6.8	1.31	6.91	9.5	
11:12			0.33	138	6.5	1.31	6.91	9.5	
~~11:15~~									
~~11:18~~									

SAMPLE OBSERVATIONS: Clear

SECTION 4 – SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-06	2-13-07/11:15	Bladder Pump	Halogenated VOCs 8260

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-07

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION 5 Hunt Road, Jamestown, NY **JOB #** 3563S-04

PROJECT NAME: Anderson Cleaners **DATE:** 2-13-07

SAMPLE COLLECTOR(S): M. Dickinson **WEATHER:** 20°F cloudy

PID READING IN WELL HEADSPACE (PPM): NC **MEASURING POINT:** TOC

CASING TYPE: PVC **WELL DIAMETER (INCHES):** 1

SCREENED INTERVAL [FT]: — **WATER LEVEL (SWL) [FT]:** 5.11

WELL DEPTH [FT]: 14.42 **DEPTH OF PUMP INTAKE [FT]:** 10.0

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: None **DNAPL:** None **OTHER OBSERVATIONS:** None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 **TUBING TYPE:** 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 **WATER LEVEL METER:** ~~Solinst~~ Mini 101-30'

PUMP TYPE: ¾" Bladder **PURGE GAS:** Air

CONTROL BOX DISCHARGE RATE: 1 **CONTROL BOX REFILL RATE:** 10

STABILIZED PUMP RATE (ml/min): 225 **STABILIZED DRAWDOWN WATER LEVEL [FT]:** 5.26

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
15:26	225	5.26	1.04	118	14.8	1.42	6.89	10.1	1225
15:26			0.84	107	12.1	1.37	6.90	10.0	
15:29			0.61	104	10.0	1.39	6.90	9.9	
15:32			0.59	98	9.6	1.38	6.90	9.9	
15:35			0.56	95	9.1	1.38	6.90	9.9	
15:38			0.53	92	9.0	1.38	6.90	9.8	

SAMPLE OBSERVATIONS: ~

SECTION 4 – SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-07	2-13-07 / 15:40	Bladder Pump	Halogenated VOCs 8260

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW-201

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY — JOB #: 3563S-04

PROJECT NAME: Anderson Cleaners — DATE: 2-13-07

SAMPLE COLLECTOR(S): M. Dickinson — WEATHER: 20°F Cloudy

PID READING IN WELL HEADSPACE (PPM): NC — MEASURING POINT: TOC

CASING TYPE: PVC — WELL DIAMETER (INCHES): 1

SCREENED INTERVAL [FT]: — — WATER LEVEL (SWL) [FT]: 3.60

WELL DEPTH [FT]: — DEPTH OF PUMP INTAKE [FT]: 8.0

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: None — DNAPL: None — OTHER OBSERVATIONS: None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 — TUBING TYPE: 1/4" Water, 1/8" Air

WATER QUALITY METER: Horiba U-22 — WATER LEVEL METER: Solinst Mini 101-30'

PUMP TYPE: ¾" Bladder — PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1 — CONTROL BOX REFILL RATE: 7

STABILIZED PUMP RATE (ml/min): 200 — STABILIZED DRAWDOWN WATER LEVEL [FT]: 3.86

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
12:39	200	3.86	3.00	127	44.2	1.31	6.89	10.1	1200
12:42			2.61	120	20.1	1.34	6.81	10.0	
12:45			1.61	118	16.4	1.33	6.81	10.0	
12:48			1.52	106	12.9	1.33	6.81	10.0	
12:51			1.4	103	11.0	1.33	6.81	10.0	

SAMPLE OBSERVATIONS: ~

SECTION 4 – SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-201	2-13-07/12:55	Bladder Pump	Halogenated VOCs 8260

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW- 04

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY — JOB #: 3563S-04

PROJECT NAME: Anderson Cleaners — DATE: 3-15-07

SAMPLE COLLECTOR(S): M. Dickinson — WEATHER: 31°F cloudy

PID READING IN WELL HEADSPACE (PPM): N2 — MEASURING POINT: TOC (45" AGS)

CASING TYPE: PVC — WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT]: — — WATER LEVEL (SWL) [FT]: 0.33

WELL DEPTH [FT]: 20.24 — DEPTH OF PUMP INTAKE [FT]: 15.0 (15)

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: — DNAPL: — OTHER OBSERVATIONS: None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 — TUBING TYPE: 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 — WATER LEVEL METER: Herron SWL

PUMP TYPE: ¾" Bladder — PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1 — CONTROL BOX REFILL RATE: 10

STABILIZED PUMP RATE (ml/min): 315 — STABILIZED DRAWDOWN WATER LEVEL [FT]: 0.36

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (ml)
14:39	315	0.36	0.06	125	119.0	2.10	6.85	10.4	1315 (945)
14:42	↓	↓	0.00	118	80.7	2.12	6.82	10.5	2260
14:45			0.00	112	53.2	2.11	6.81	10.7	3205
14:48			0.00	109	44.5	2.11	6.81	10.8	4150
14:51			0.00	107	44.0	2.12	6.81	10.7	5045
14:54			0.00	106	38.6	2.12	6.81	10.7	6040
14:57	↓	↓	0.00	106	34.2	2.12	6.81	10.8	6985

SAMPLE OBSERVATIONS: ~

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-04	3-15-07 / 15:08	Bladder Pump	Halogenated VOCs 8260

Total Plate Count

MRD 2048 → change date to 3-15-07!

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW- [redacted] 06

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY | JOB #: 3563S-04

PROJECT NAME: Anderson Cleaners | DATE: 3-15-07

SAMPLE COLLECTOR(S): M. Dickinson | WEATHER: 31°F cloudy

PID READING IN WELL HEADSPACE (PPM): N2 | MEASURING POINT: TOC 4.25'AGS

CASING TYPE: PVC | WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT]: — | WATER LEVEL (SWL) [FT]: [redacted] 0.55

WELL DEPTH [FT]: 23.11 | DEPTH OF PUMP INTAKE [FT]: 11

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: — | DNAPL: — | OTHER OBSERVATIONS: None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 | TUBING TYPE: 1/4" Water, 1/8" Air

WATER QUALITY METER: Horiba U-22 | WATER LEVEL METER: Herron SWL

PUMP TYPE: ¾" Bladder | PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1 | CONTROL BOX REFILL RATE: 7

STABILIZED PUMP RATE (ml/min): 375 | STABILIZED DRAWDOWN WATER LEVEL [FT]: 0.55

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (ml)
12:45	375	0.55	2.66	92	245.0	1.32	6.83	10.1	~~375~~ 1375
12:48	↓	↓	0.00	94	155.0	1.32	6.72	9.7	2500
12:51			0.00	95	117.0	1.32	6.68	10.0	3625
12:54			0.00	98	89.6	1.32	6.62	9.7	4750
12:57			0.00	95	44.6	1.32	6.61	9.9	5875
13:00	↓	↓	0.00	94	40.4	1.31	6.60	10.0	7000
13:03			0.00	93	40.1	1.31	6.59	9.9	8125

SAMPLE OBSERVATIONS: ~

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-20[redacted]	3-15-07 [redacted] 15:05	Bladder Pump	Halogenated VOCs 8260 Total Plate Count

MKD 2018

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW- 07

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY | JOB #: 3563S-04

PROJECT NAME: Anderson Cleaners | DATE: 3-15-07

SAMPLE COLLECTOR(S): M. Dickinson | WEATHER: 31°F cloudy

PID READING IN WELL HEADSPACE (PPM): ~~4~~ NC | MEASURING POINT: TOC

CASING TYPE: PVC | WELL DIAMETER (INCHES): 1

SCREENED INTERVAL [FT]: ~ | WATER LEVEL (SWL) [FT]: 4.70

WELL DEPTH [FT]: 14.42 | DEPTH OF PUMP INTAKE [FT]: 10.0

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: ~ | DNAPL: ~ | OTHER OBSERVATIONS: None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 | TUBING TYPE: 1/4" Water, 1/8" Air

WATER QUALITY METER: Horiba U-22 | WATER LEVEL METER: Herron SWL

PUMP TYPE: ¾" Bladder | PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1 | CONTROL BOX REFILL RATE: 12

STABILIZED PUMP RATE (ml/min): 125 | STABILIZED DRAWDOWN WATER LEVEL [FT]: 4.76

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
13:40	125	4.76	2.47	113	471.0	1.95	6.93	8.8	1125
13:43	↓	↓	0.66	110	434.0	1.95	6.92	8.5	1500
13:46			0.00	107	318.0	1.96	6.90	8.7	1875
13:49			0.00	104	368.0	1.95	6.90	8.5	2250
13:52			0.00	103	280.0	1.95	6.91	8.4	2625
13:55			0.00	100	258.0	1.95	6.92	8.4	3000
13:58			0.00	97	244.1	1.95	6.92	8.4	3375

SAMPLE OBSERVATIONS: ~

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-07	3-15-07/14:05	Bladder Pump	Halogenated VOCs 8260

MRD2048

Total Plate Count

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW- ~~6~~ 201

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Road, Jamestown, NY — JOB #: 3563S-04

PROJECT NAME: Anderson Cleaners — DATE: 3-15-07

SAMPLE COLLECTOR(S): M. Dickinson — WEATHER: 31°F cloudy

PID READING IN WELL HEADSPACE (PPM): NC — MEASURING POINT: TOC

CASING TYPE: PVC — WELL DIAMETER (INCHES): 1

SCREENED INTERVAL [FT]: — — WATER LEVEL (SWL) [FT]: 3.98

WELL DEPTH [FT]: — DEPTH OF PUMP INTAKE [FT]: 9 ft.

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: — DNAPL: — OTHER OBSERVATIONS: None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 — TUBING TYPE: 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 — WATER LEVEL METER: Herron SWL

PUMP TYPE: ¾" Bladder — PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1 — CONTROL BOX REFILL RATE: ~~5~~ 10

STABILIZED PUMP RATE (ml/min): 185 — STABILIZED DRAWDOWN WATER LEVEL [FT]: 4.18

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C^0)	Total Vol. Pumped (ml)
16:30	185	4.18	1.40	117	212.4	1.33	6.86	9.9	185
16:33	↓	↓	0.63	115	161.3	1.31	6.85	9.7	1740
16:36			0.12	113	108.2	1.31	6.85	9.7	2295
16:39			0.00	112	96.1	1.31	6.83	9.7	2850
16:42			0.00	110	88.4	1.30	6.83	9.8	3405
16:45			0.00	108	84.7	1.30	6.83	9.9	3960

555

SAMPLE OBSERVATIONS: ~

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-06	3-15-07 / 16:42	Bladder Pump	Halogenated VOCs 8260

Total Plate count

MKD 2048

~~S:\Fieldforms\Fieldforms 2006\Low-Flow Sampling Log-revised 7-10-06.doc~~

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW- 04

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION	5 Hunt Rd. Jamestown, NY	**JOB #**	Anderson 35635-04
PROJECT NAME:	Anderson Cleaners	**DATE:**	11-8-07
SAMPLE COLLECTOR(S):	M. Dickinson	**WEATHER:**	33°F cloudy

PID READING IN WELL HEADSPACE (PPM):	NC	**MEASURING POINT:**	TOC 45" AGS
CASING TYPE:	PVC	**WELL DIAMETER (INCHES):**	2
SCREENED INTERVAL [FT]:	-	**WATER LEVEL (SWL) [FT]:**	~~15.5~~ 1.35
WELL DEPTH [FT]: (Do NOT Measure Well depth Prior To Purging And Sampling)	20.24	**DEPTH OF PUMP INTAKE [FT]:**	16
LNAPL:	NC	**DNAPL:**	NC
OTHER OBSERVATIONS:	None		

SECTION 2 - SAMPLING EQUIPMENT

CONTROL BOX:	QED# MP-10	**TUBING TYPE:**	1/4" Water, 1/8" Air
WATER QUALITY METER:	Horiba U-22	**WATER LEVEL METER:**	Solinst Mini 100-30'
PUMP TYPE:	¾" Bladder	**PURGE GAS:**	Air
CONTROL BOX DISCHARGE RATE:	1	**CONTROL BOX REFILL RATE:**	10
STABILIZED PUMP RATE (ml/min):	250	**STABILIZED DRAWDOWN WATER LEVEL [FT]:**	1.35'

SECTION 3 - WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (L)
11:09	250	1.35'	1.1	54	6	0.27	6.9	10.8	750
11:12	↓	↓	0.6	36	5	0.25	7.0	11.1	
11:15			0.6	26	5	0.24	7.1	11.2	
11:18			0.5	16	4	0.24	7.1	11.7	
11:21			0.5	14	5	0.24	7.1	11.8	
11:24			0.5	10	4	0.24	7.1	12.0	
11:27	↓	↓	0.5	12	4	0.23	7.1	12.0	

SAMPLE OBSERVATIONS: # clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-04	11-8-07 / 11:30	Bladder Pump	Halogenated VOCs 8260 Plate Count

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW- 06

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hwy 2d. Jamestown, NY JOB #: Anderson 35635 04

PROJECT NAME: Anderson Cleaners DATE: 11-8-07

SAMPLE COLLECTOR(S): M. Dicknson WEATHER: 33°F Cloudy

PID READING IN WELL HEADSPACE (PPM): NC MEASURING POINT: TOC 58" AGS

CASING TYPE: PVC WELL DIAMETER (INCHES): 2

SCREENED INTERVAL [FT]: WATER LEVEL (SWL) [FT]: 1.25' from TOC

WELL DEPTH [FT]: ~3.11 DEPTH OF PUMP INTAKE [FT]: 10

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: NC DNAPL: NC OTHER OBSERVATIONS: None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED MP-10 TUBING TYPE: 1/4" Water, 1/8" Air

WATER QUALITY METER: Horiba U-22 WATER LEVEL METER: Solinst Mini 100-30'

PUMP TYPE: ¾" Bladder PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1 CONTROL BOX REFILL RATE: 5

STABILIZED PUMP RATE (ml/min): 325 STABILIZED DRAWDOWN WATER LEVEL [FT]: 1.25' from TOC

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft) TOC	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (L)
12:13	325	1.25'	2.7	151	2	0.14	6.6	12.8	825
12:16	↓	↓	1.4	146	3	0.14	6.8	12.7	
12:19			0.9	140	3	0.14	6.9	12.6	
12:22			0.7	138	3	0.14	6.9	12.4	
12:25			0.5	140	3	0.14	6.9	12.3	
12:28			0.5	137	3	0.14	7.0	12.3	
12:31	↓	↓	0.5	137	3	0.14	7.0	12.3	

SAMPLE OBSERVATIONS: Clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
MW-06	11-8-07/12:35	Bladder Pump	Plate Count

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL MW- 20

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Rd. Jamestown, NY JOB #: Anderson 35635-04

PROJECT NAME: Anderson Cleaners DATE: 11-8-07

SAMPLE COLLECTOR(S): M. Dickinson WEATHER: 33°F cloudy

PID READING IN WELL HEADSPACE (PPM): NC MEASURING POINT: TOC

CASING TYPE: PVC WELL DIAMETER (INCHES): 1

SCREENED INTERVAL [FT]: - WATER LEVEL (SWL) [FT]: 2.41

WELL DEPTH [FT]: 14' DEPTH OF PUMP INTAKE [FT]: 8

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: NC DNAPL: NC OTHER OBSERVATIONS: None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED # MP-10 TUBING TYPE: 1/4" Water, 1/8" Air

WATER QUALITY METER: Horiba U-22 WATER LEVEL METER: Solinst Mini 100-30'

PUMP TYPE: ¾" Bladder PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: 1 CONTROL BOX REFILL RATE: 7

STABILIZED PUMP RATE (ml/min): 185 STABILIZED DRAWDOWN WATER LEVEL [FT]: 2.56

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (L)
13:52	185	2.56	2.3	46	110	0.18	6.8	12.7	685
13:55	↓	↓	0.9	-47	-5 B	0.17	7.0	13.8	
13:58			0.9	-50	-5 B	0.17	7.0	13.9	
14:01			0.8	-57	-5 B	0.17	7.0	13.9	
14:04			0.7	-58	-5 B	0.17	7.1	13.8	

~~SAMPLE~~ OBSERVATIONS: # clear

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
~~MW-20~~	11-8-07/14:05	Bladder Pump	~~Halogen. ated VOCs~~ 8260 Plate Count

3=Blinking

DAY ENVIRONMENTAL, INC.

LOW-FLOW GROUNDWATER PURGING AND SAMPLING LOG

WELL ~~MW-~~ BR-01

SECTION 1 - SITE AND WELL INFORMATION

SITE LOCATION: 5 Hunt Rd. Jamestown, NY JOB #: Anders 35635-04

PROJECT NAME: Anderson Cleaners DATE: 11-8-07

SAMPLE COLLECTOR(S): M. Dickinson WEATHER: 33°F cloudy

PID READING IN WELL HEADSPACE (PPM): NC MEASURING POINT: TOC AGS.

CASING TYPE: PVC WELL DIAMETER (INCHES):

SCREENED INTERVAL [FT]: ~~NA~~ - WATER LEVEL (SWL) [FT]:

WELL DEPTH [FT]: ~~@~~ Unknown DEPTH OF PUMP INTAKE [FT]: NA

(Do NOT Measure Well depth Prior To Purging And Sampling)

LNAPL: NC DNAPL: NC OTHER OBSERVATIONS: None

SECTION 2 – SAMPLING EQUIPMENT

CONTROL BOX: QED ~ TUBING TYPE: 1/4" Water , 1/8" Air

WATER QUALITY METER: Horiba U-22 WATER LEVEL METER:

PUMP TYPE: ¾" Bladder PURGE GAS: Air

CONTROL BOX DISCHARGE RATE: CONTROL BOX REFILL RATE:

STABILIZED PUMP ~~RATE~~ (ml/min): STABILIZED DRAWDOWN WATER LEVEL [FT]:

SECTION 3 – WATER QUALITY DATA MONITORING

Time	Pumping Rate (ml/min)	Water Level (ft)	DO (mg/L)	ORP (mv)	Turbidity (NTU)	Conductivity (mS/cm)	pH	Temp. (C°)	Total Vol. Pumped (L)
5ft.			5.9	56	88	0.12	5.7	17.4	
10ft.			3.0	-191	61	0.11	6.0	17.1	
15ft.			1.9	-230	60	0.11	6.2	16.0	
20ft.			1.4	-220	57	0.11	6.2	14.9	
25ft.			1.0	-178	56	0.12	6.3	13.7	
27ft.			0.6	-166	62	0.13	6.6	13.5	

SAMPLE OBSERVATIONS: ~~#~~ NA

SECTION 4 - SAMPLE IDENTIFICATION AND ANALYTICAL LABORATORY PARAMETERS

SAMPLE ID #	DATE / TIME	SAMPLING METHOD	ANALYTICAL SCAN(S)
		Bladder Pump	

SUMMARY OF GROUNDWATER SAMPLING MEASUREMENTS
ANDERSON CLEANERS
5 HUNT ROAD, JAMESTOWN, NEW YORK
BCP SITE #C907027

SAMPLE EVENT DATE: 4-16-2010 (PDS INSTALLATION)
5-5-2010 (PDS RETRIEVAL)

Location	Well Diameter (inches)	Ground Surface Elevation (ft.)	Top of Casing Elevation (ft.)	Bottom of Well Depth (ft.)	PDS Sample Interval (ft.)	Measurement Date 5-5-10			
						Water Level/Elevation (ft.)	DO (mg/l)	ORP (mV)	pH (s.u.)
MW-04	2	97.57	101.31	23.88	21.6-23.1	1.69/99.62	0.5	-115	7.67
BR-02 FR	2	97.95	101.55	32.35	30.5-32.0	1.45/100.10	0.2	-42	7.53
BR-02 R	3^{+}	97.90	101.98	46.20	41.1-42.6	2.56/99.42	0.4	-48	7.44
BR-03 R	3^{+}	97.50	101.59	41.40	36.6-38.1	1.88/99.71	0.4	-58	7.42

Notes: Elevations measured in feet to a relative site datum.
All depth measurements are referenced from the top of the well casing.

PDS = Passive Diffusion Sampler

DO = Dissolved Oxygen measurement made within the monitoring well using a YSI model 550A Dissolved Oxygen Probe

ORP = Oxygen Reduction Potential measurement made using a Eutech Instruments ORPTestr 10 ORP/Redox Tester

pH = Measurement made using a Eutech Instruments pHTestr 30 pH Meter

SUMMARY OF GROUNDWATER SAMPLING MEASUREMENTS
ANDERSON CLEANERS
5 HUNT ROAD, JAMESTOWN, NEW YORK
BCP SITE #C907027

SAMPLE EVENT DATE: 12-23-2009 (PDS INSTALLATION)
1-15-2009 (PDS RETRIEVAL)

Location	Well Diameter (inches)	Ground Surface Elevation (ft.)	Top of Casing Elevation (ft.)	Bottom of Well Depth (ft.)	PDS Sample Interval (ft.)	Measurement Date 1-15-10			
						Water Level/Elevation (ft.)	DO (mg/l)	ORP (mV)	pH (s.u.)
MW-04	2	97.57	101.31	23.88	21.6-23.1	0.75/100.56	0.2	23	7.56
BR-02 FR	2	97.95	101.55	32.35	30.5-32.0	0.54/101.01	0.1	-24	8.44
BR-02 R	3+	97.90	101.98	46.20	41.1-42.6	1.66/100.32	0.2	-34	8.72
BR-03 R	3+	97.50	101.59	41.40	36.6-38.1	0.96/100.63	0.2	15	7.45

Notes: Elevations measured in feet to a relative site datum.
All depth measurements are referenced from the top of the well casing.

PDS = Passive Diffusion Sampler

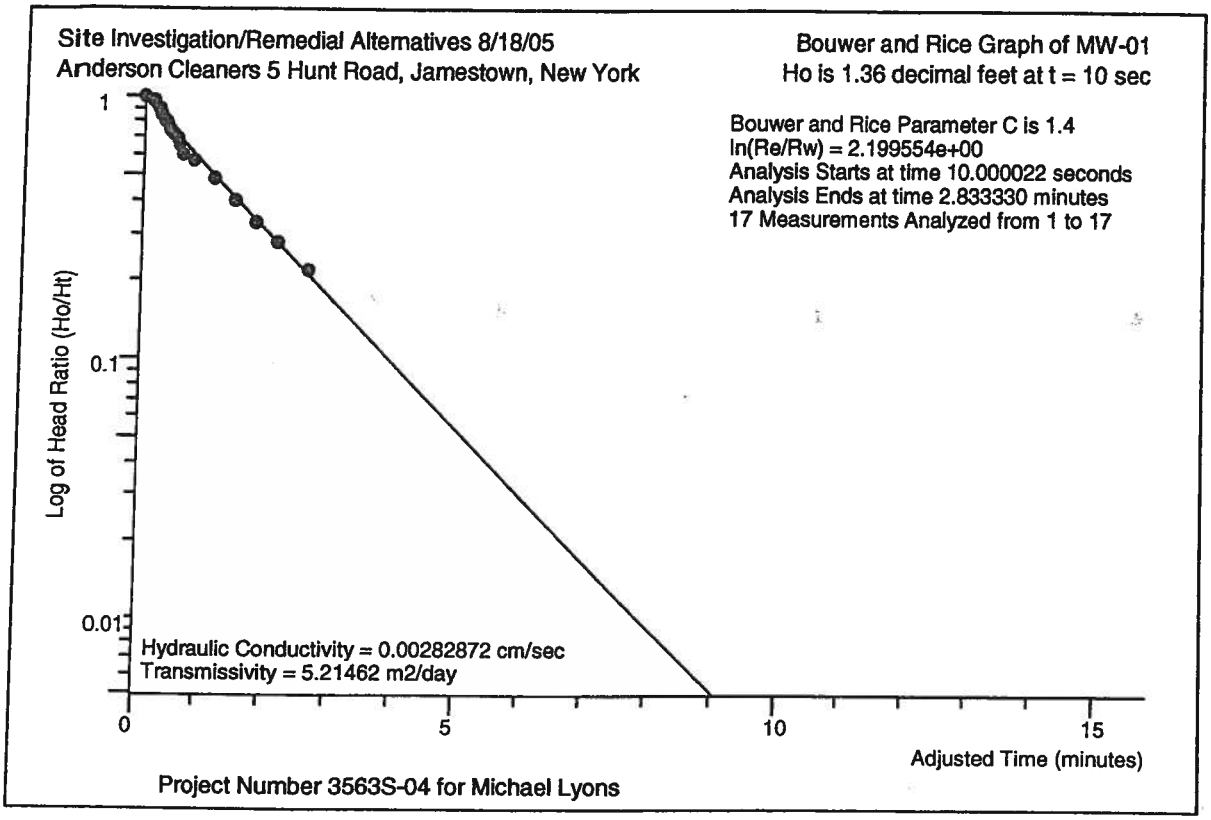
DO = Dissolved Oxygen measurement made within the monitoring well using a YSI model 550A Dissolved Oxygen Probe

ORP = Oxygen Reduction Potential measurement made using a Eutech Instruments ORPTestr 10 ORP/Redox Tester

pH = Measurement made using a Eutech Instruments pHTestr 30 pH Meter

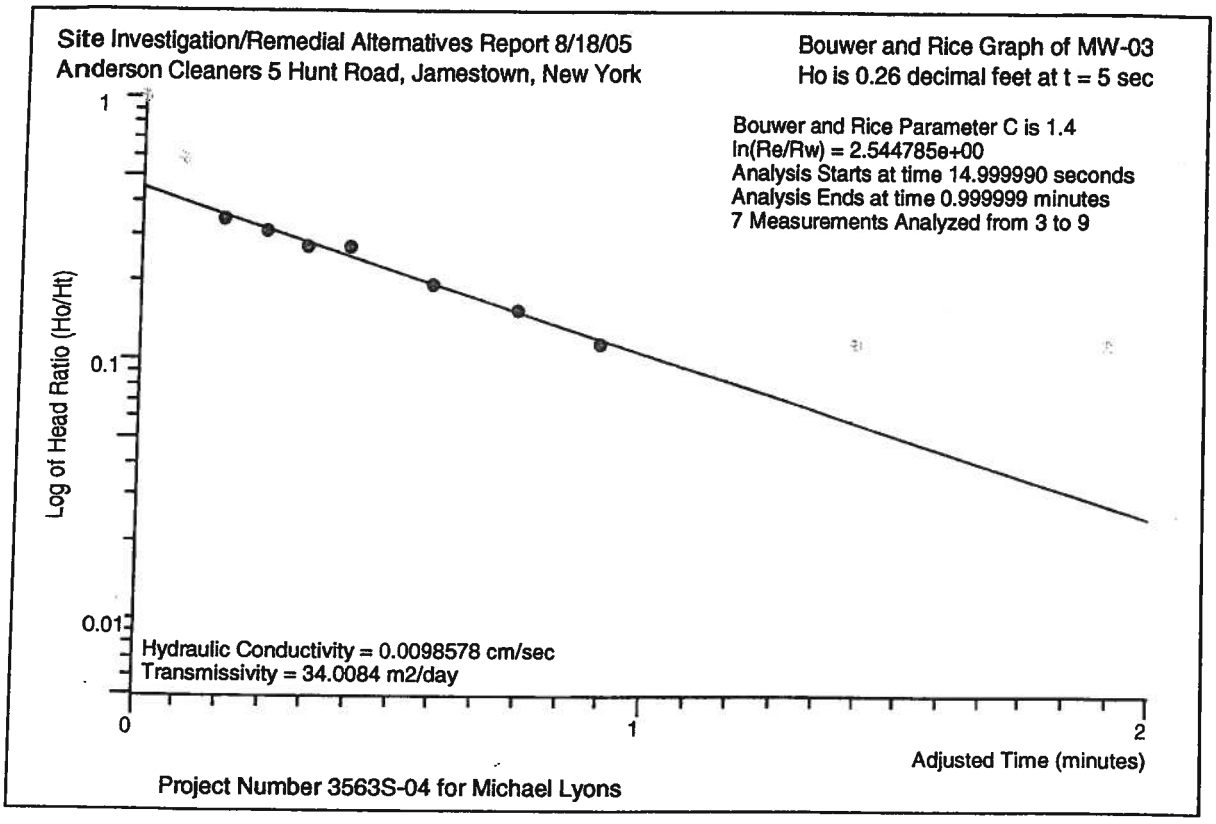
Data from file: C:\DOCUME~1\SIMON\DESKTOP\ANDERS~1\MW01UOUT.SLG
Title: Site Investigation/Remedial Alternatives
Site Name: Anderson Cleaners
Location: 5 Hunt Road, Jamestown, New York
Client: Michael Lyons
Project Number: 3563S-04
Test Date: 8/18/05
Well Number: MW-01
Casing Radius: 2.5 inches
Effective Well Radius: 3.99999 inches
Aquifer Thickness: 7.00001 feet
Water Table to Screen Bottom: 7.00001 feet
Screen Length: 5 feet
Static Water Level: 0.939998 decimal feet
K ratio is not entered
There are 21 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 0.000115741 days (10.000022 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	10	0	2.3	1.36	1
2	20	9.99994	2.25	1.31	0.963236
3	25	15	2.15	1.21	0.889707
4	28	18	2.09	1.15	0.84559
5	31	21	2.04	1.1	0.808826
6	33	22.9999	2.02	1.08	0.794118
7	37	27	1.95	1.01	0.742648
8	40	30	1.91	0.970001	0.713236
9	43	33	1.87	0.930002	0.683825
10	45	34.9999	1.83	0.890002	0.654413
11	50	40	1.76	0.82	0.602941
12	60	49.9999	1.72	0.78	0.57353
13	80	70	1.6	0.660002	0.485296
14	100	90.0002	1.49	0.550003	0.404414
15	120	110	1.39	0.450001	0.330883
16	140	130	1.32	0.380002	0.279413
17	170	160	1.24	0.300003	0.22059
18	230	220	1.17	0.230001	0.169118
19	350	340	1.15	0.210001	0.154412
20	650	640	1.14	0.200001	0.147059
21	950.003	940.003	1.14	0.200001	0.147059


Site Investigation/Remedial Alternatives 8/18/05
Anderson Cleaners 5 Hunt Road, Jamestown, New York
Bouwer and Rice Graph of MW-01
Ho is 1.36 decimal feet at t = 10 sec
Bouwer and Rice Parameter C is 1.4
ln(Re/Rw) = 2.199554e+00
Analysis Starts at time 10.000022 seconds
Analysis Ends at time 2.833330 minutes
17 Measurements Analyzed from 1 to 17
Log of Head Ratio (Ho/Ht)
1
0.1
0.01
Hydraulic Conductivity = 0.00282872 cm/sec
Transmissivity = 5.21462 m2/day
0
5
10
15
Adjusted Time (minutes)
Project Number 3563S-04 for Michael Lyons

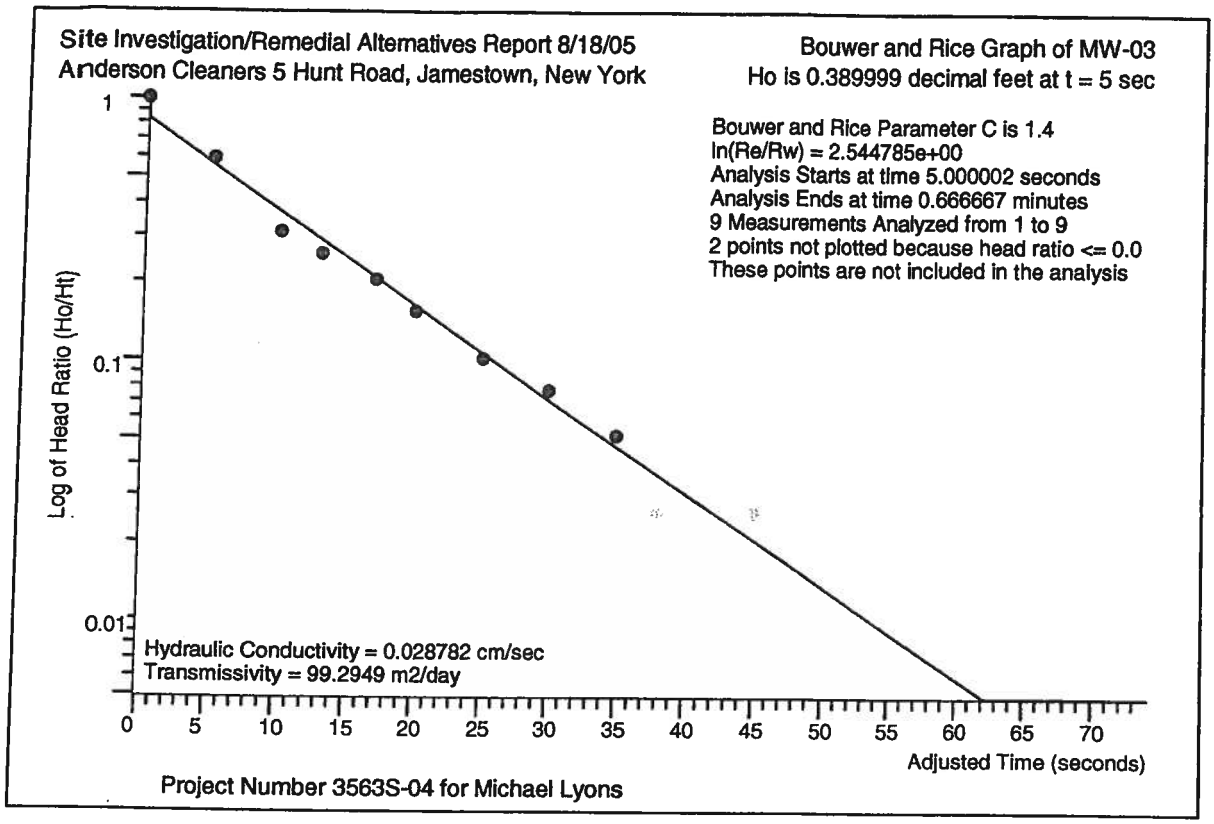
Data from file: C:\DOCUME~1\SIMON\DESKTOP\ANDERS~1\MW03UIN.SLG
Title: Site Investigation/Remedial Alternatives Report
Site Name: Anderson Cleaners
Location: 5 Hunt Road, Jamestown, New York
Client: Michael Lyons
Project Number: 3563S-04
Test Date: 8/18/05
Well Number: MW-03
Casing Radius: 2.5 inches
Effective Well Radius: 3.99999 inches
Aquifer Thickness: 13.1 feet
Water Table to Screen Bottom: 13.1 feet
Screen Length: 5 feet
Static Water Level: 2.7 decimal feet
K ratio is not entered
There are 11 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 5.78704e-05 days (5.000002 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	5	0	2.44	0.26	1
2	10	5.00002	2.55	0.150001	0.576929
3	15	9.99999	2.61	0.0899988	0.346149
4	20	15	2.62	0.0799989	0.307688
5	25	20	2.63	0.069999	0.269227
6	30	25	2.63	0.069999	0.269227
7	40	35	2.65	0.0499992	0.192305
8	50	45	2.66	0.0399994	0.153844
9	60	55	2.67	0.0299995	0.115383
10	90.0003	85.0003	2.67	0.0299995	0.115383
11	120	115	2.67	0.0299995	0.115383


Site Investigation/Remedial Alternatives Report 8/18/05
Anderson Cleaners 5 Hunt Road, Jamestown, New York
Bouwer and Rice Graph of MW-03
Ho is 0.26 decimal feet at t = 5 sec
Bouwer and Rice Parameter C is 1.4
ln(Re/Rw) = 2.544785e+00
Analysis Starts at time 14.999990 seconds
Analysis Ends at time 0.999999 minutes
7 Measurements Analyzed from 3 to 9
Log of Head Ratio (Ho/Ht)
1
0.1
0.01
Hydraulic Conductivity = 0.0098578 cm/sec
Transmissivity = 34.0084 m2/day
0
1
2
Adjusted Time (minutes)
Project Number 3563S-04 for Michael Lyons

Data from file: C:\DOCUME~1\SIMON\DESKTOP\ANDERS~1\MW03UOUT.SLG
Title: Site Investigation/Remedial Alternatives Report
Site Name: Anderson Cleaners
Location: 5 Hunt Road, Jamestown, New York
Client: Michael Lyons
Project Number: 3563S-04
Test Date: 8/18/05
Well Number: MW-03
Casing Radius: 2.5 inches
Effective Well Radius: 3.99999 inches
Aquifer Thickness: 13.1 feet
Water Table to Screen Bottom: 13.1 feet
Screen Length: 5 feet
Static Water Level: 2.7 decimal feet
K ratio is not entered
There are 13 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 5.78704e-05 days (5.000002 seconds)

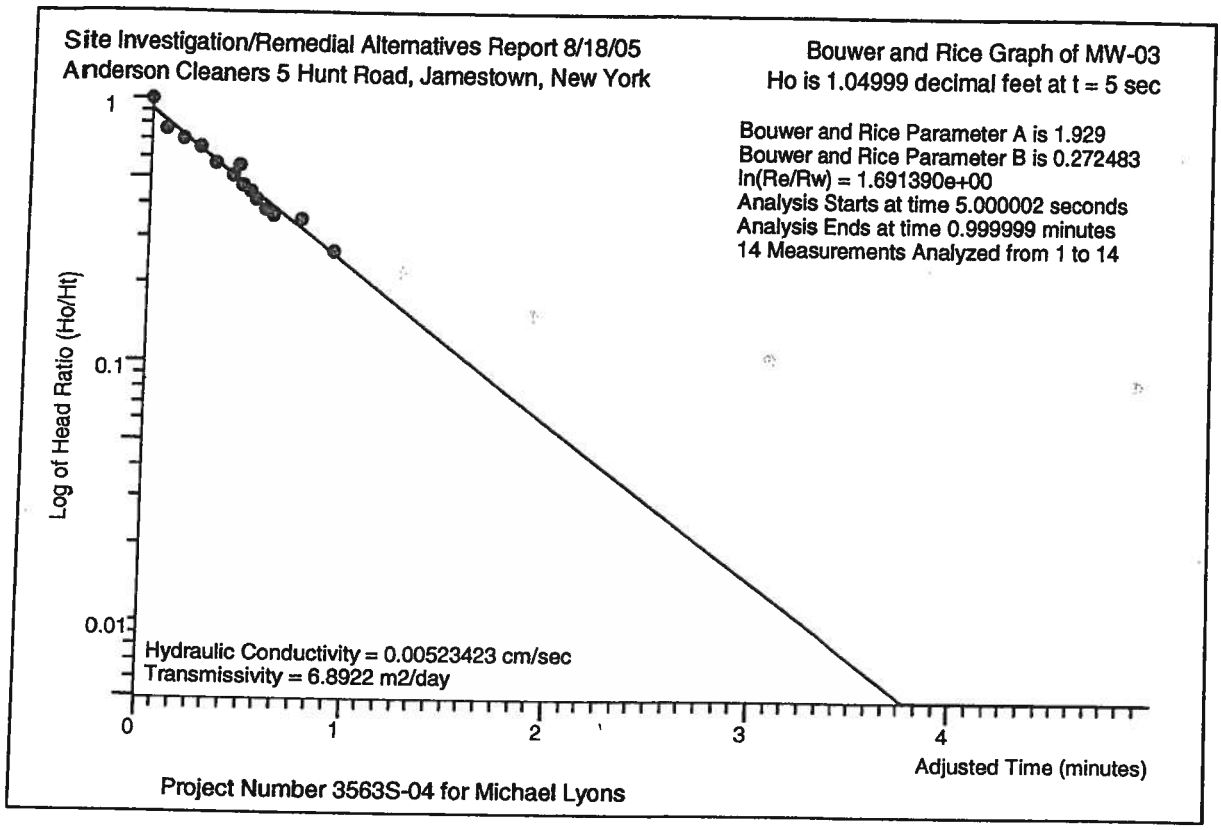
Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	5	0	3.09	0.389999	1
2	10	5.00002	2.93	0.230001	0.589747
3	15	9.99999	2.82	0.119999	0.30769
4	18	13	2.8	0.0999989	0.256408
5	22	17	2.78	0.0799991	0.205127
6	25	20	2.76	0.0599993	0.153845
7	30	25	2.74	0.0399996	0.102563
8	35	30	2.73	0.0299997	0.0769225
9	40	35	2.72	0.0199998	0.0512817
10	43	38	2.71	0.00999989	0.0256408
11	50	45	2.71	0.00999989	0.0256408
12	65	60	2.7	0	0
13	74	69	2.69	-0.00999989	-0.0256408


Site Investigation/Remedial Alternatives Report 8/18/05
Anderson Cleaners 5 Hunt Road, Jamestown, New York
Bouwer and Rice Graph of MW-03
Ho is 0.389999 decimal feet at t = 5 sec
Bouwer and Rice Parameter C is 1.4
ln(Re/Rw) = 2.544785e+00
Analysis Starts at time 5.000002 seconds
Analysis Ends at time 0.666667 minutes
9 Measurements Analyzed from 1 to 9
2 points not plotted because head ratio <= 0.0
These points are not included in the analysis
Log of Head Ratio (Ho/Ht)
1
0.1
0.01
Hydraulic Conductivity = 0.028782 cm/sec
Transmissivity = 99.2949 m2/day
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
Adjusted Time (seconds)
Project Number 3563S-04 for Michael Lyons

Data from file:	C:\DOCUME~1\SIMON\DESKTOP\ANDERS~1\MW05UIN.SLG
Title:	Site Investigation/Remedial Alternatives Report
Site Name:	Anderson Cleaners
Location:	5 Hunt Road, Jamestown, New York
Client:	Michael Lyons
Project Number:	3563S-04
Test Date:	8/18/05
Well Number:	MW-03
Casing Radius:	2.5 inches
Effective Well Radius:	3.99999 inches
Aquifer Thickness:	5 feet
Water Table to Screen Bottom:	3.99998 feet
Screen Length:	5 feet
Static Water Level:	3.28999 decimal feet

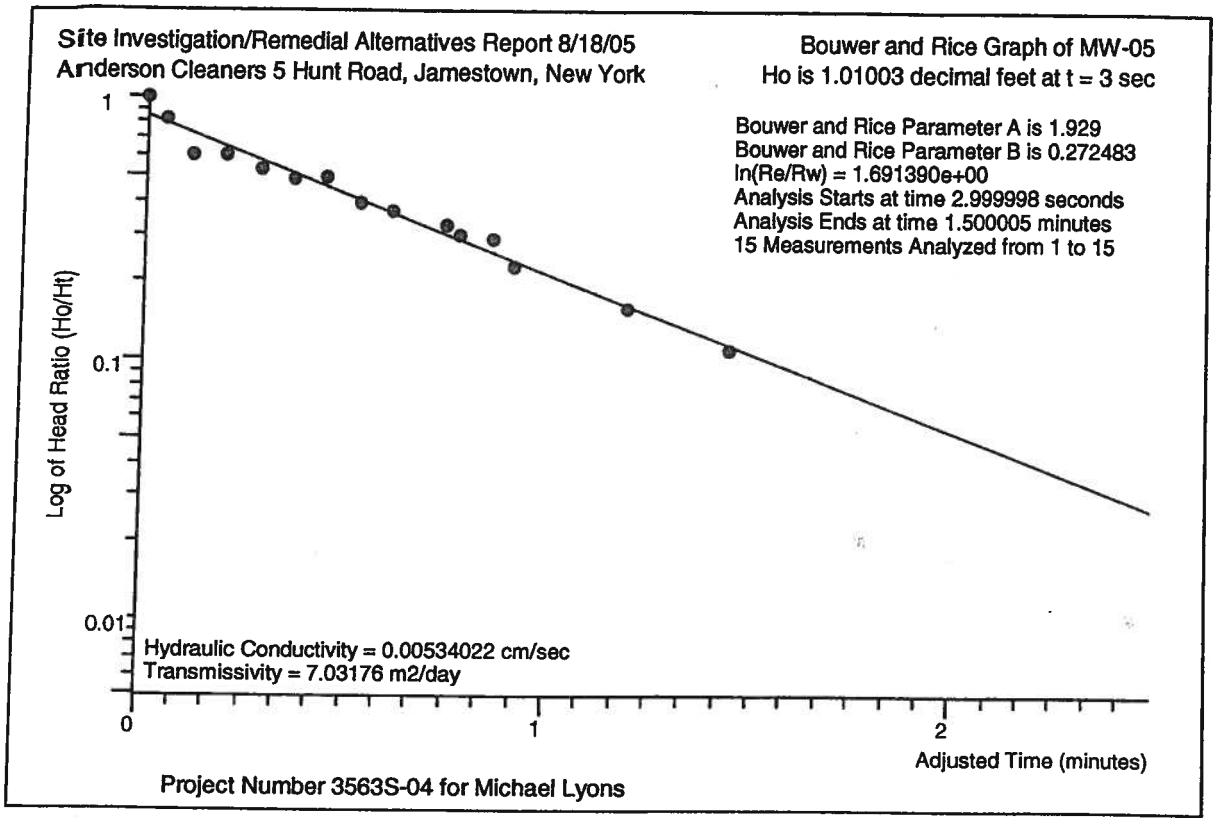
K ratio is not entered
There are 18 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 5.78704e-05 days (5.000002 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	5	0	2.24	1.04999	1
2	10	5.00002	2.49	0.799987	0.761902
3	15	9.99999	2.55	0.739988	0.704759
4	20	15	2.6	0.689985	0.657137
5	25	20	2.69	0.599986	0.571422
6	30	25	2.75	0.539987	0.514279
7	32	27	2.7	0.589986	0.561899
8	33	28	2.8	0.489987	0.46666
9	35	30	2.82	0.469988	0.447613
10	37	32	2.85	0.439985	0.419038
11	40	35	2.89	0.399985	0.380943
12	42	37	2.91	0.379986	0.361895
13	50	45	2.92	0.369986	0.352372
14	60	55	3.01	0.279987	0.266657
15	80	75	3.06	0.229987	0.219038
16	120	115	3.13	0.159985	0.152368
17	190	185	3.18	0.109985	0.104749
18	300	295	3.2	0.0899857	0.0857017


Site Investigation/Remedial Alternatives Report 8/18/05
Anderson Cleaners 5 Hunt Road, Jamestown, New York
Bouwer and Rice Graph of MW-03
Ho is 1.04999 decimal feet at t = 5 sec
Bouwer and Rice Parameter A is 1.929
Bouwer and Rice Parameter B is 0.272483
ln(Re/Rw) = 1.691390e+00
Analysis Starts at time 5.000002 seconds
Analysis Ends at time 0.999999 minutes
14 Measurements Analyzed from 1 to 14
Log of Head Ratio (Ho/Ht)
1
0.1
0.01
Hydraulic Conductivity = 0.00523423 cm/sec
Transmissivity = 6.8922 m2/day
0
1
2
3
4
Adjusted Time (minutes)
Project Number 3563S-04 for Michael Lyons

Data from file: C:\DOCUME~1\SIMON\DESKTOP\ANDERS~1\MW05UOUT.SLG
Title: Site Investigation/Remedial Alternatives Report
Site Name: Anderson Cleaners
Location: 5 Hunt Road, Jamestown, New York
Client: Michael Lyons
Project Number: 3563S-04
Test Date: 8/18/05
Well Number: MW-05
Casing Radius: 2.5 inches
Effective Well Radius: 3.99999 inches
Aquifer Thickness: 5 feet
Water Table to Screen Bottom: 3.99998 feet
Screen Length: 5 feet
Static Water Level: 3.28999 decimal feet
K ratio is not entered
There are 17 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 3.47222e-05 days (2.999998 seconds)

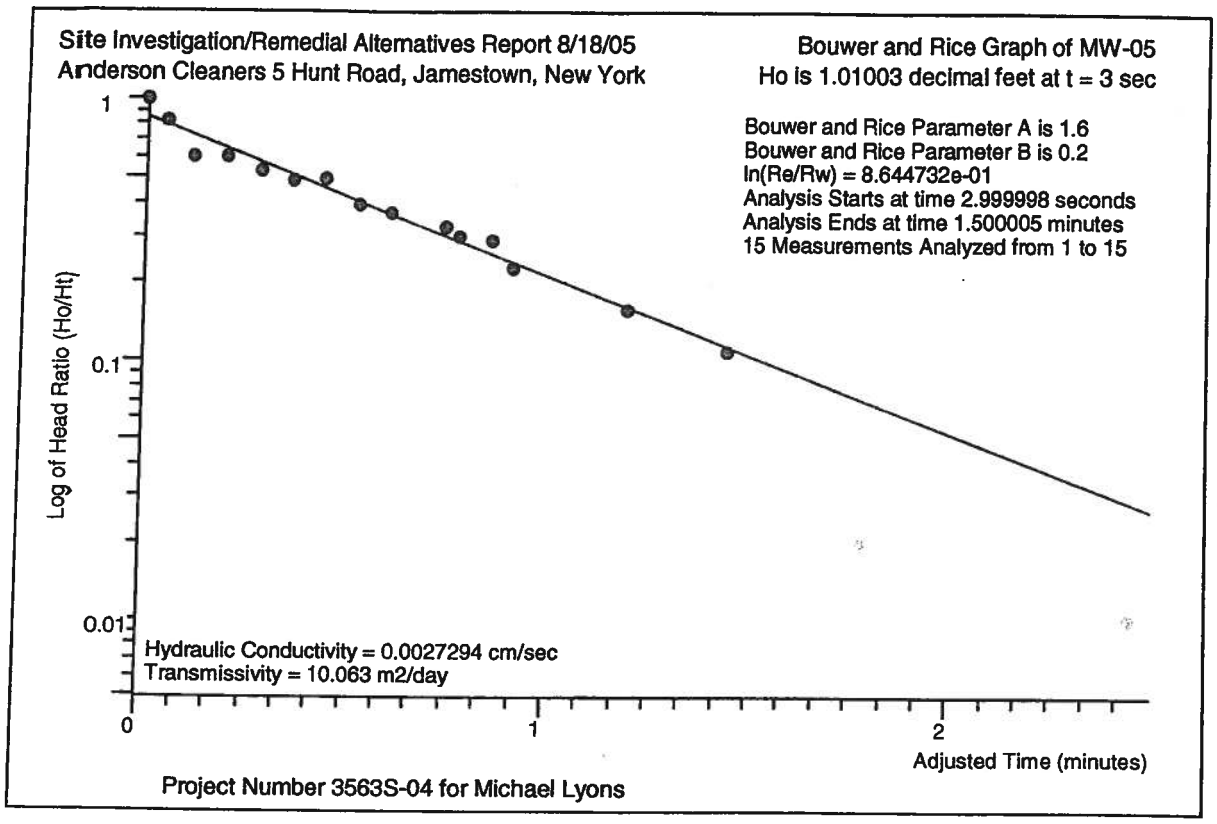
Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	3	0	4.30001	1.01003	1
2	6	3	4.12	0.83001	0.82177
3	10	7.00002	3.89999	0.609999	0.603943
4	15	12	3.89001	0.600026	0.594069
5	20	17	3.83001	0.54002	0.534659
6	25	22	3.78001	0.490021	0.485156
7	30	27	3.79001	0.500027	0.495063
8	35	32	3.69001	0.400028	0.396057
9	40	37	3.65999	0.370009	0.366335
10	48	45	3.62	0.330016	0.326739
11	50	47	3.59002	0.300029	0.297051
12	55	52	3.58001	0.290023	0.287144
13	58	55	3.52	0.230017	0.227733
14	75	72	3.44999	0.160005	0.158416
15	90.0003	87.0003	3.39999	0.110005	0.108913
16	110	107	3.31	0.0200131	0.0198144
17	150	147	3.29999	0.0100063	0.009907


Site Investigation/Remedial Alternatives Report 8/18/05
Anderson Cleaners 5 Hunt Road, Jamestown, New York
Bouwer and Rice Graph of MW-05
Ho is 1.01003 decimal feet at t = 3 sec
Bouwer and Rice Parameter A is 1.929
Bouwer and Rice Parameter B is 0.272483
ln(Re/Rw) = 1.691390e+00
Analysis Starts at time 2.999998 seconds
Analysis Ends at time 1.500005 minutes
15 Measurements Analyzed from 1 to 15
Log of Head Ratio (Ho/Ht)
1
0.1
0.01
Hydraulic Conductivity = 0.00534022 cm/sec
Transmissivity = 7.03176 m2/day
0
1
2
Adjusted Time (minutes)
Project Number 3563S-04 for Michael Lyons

Data from file:	C:\DOCUME~1\SIMON\DESKTOP\ANDERS~1\MW05COUT.SLG
Title:	Site Investigation/Remedial Alternatives Report
Site Name:	Anderson Cleaners
Location:	5 Hunt Road, Jamestown, New York
Client:	Michael Lyons
Project Number:	3563S-04
Test Date:	8/18/05
Well Number:	MW-05
Casing Radius:	2.5 inches
Effective Well Radius:	3.99999 inches
Aquifer Thickness:	14 feet
Water Table to Screen Bottom:	1 feet
Screen Length:	5 feet
Static Water Level:	3.28999 decimal feet

K ratio is not entered
There are 17 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 3.47222e-05 days (2.999998 seconds)

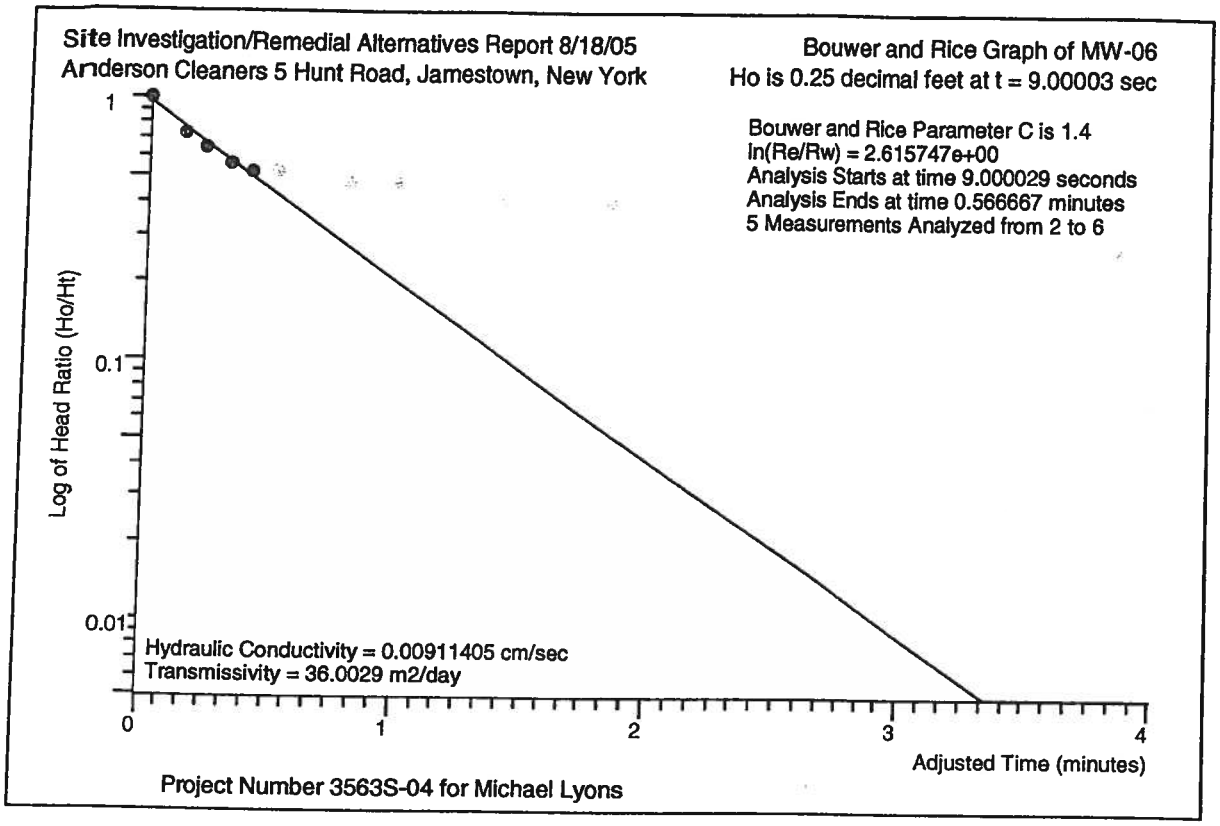
Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	3	0	4.30001	1.01003	1
2	6	3	4.12	0.83001	0.82177
3	10	7.00002	3.89999	0.609999	0.603943
4	15	12	3.89001	0.600026	0.594069
5	20	17	3.83001	0.54002	0.534659
6	25	22	3.78001	0.490021	0.485156
7	30	27	3.79001	0.500027	0.495063
8	35	32	3.69001	0.400028	0.396057
9	40	37	3.65999	0.370009	0.366335
10	48	45	3.62	0.330016	0.326739
11	50	47	3.59002	0.300029	0.297051
12	55	52	3.58001	0.290023	0.287144
13	58	55	3.52	0.230017	0.227733
14	75	72	3.44999	0.160005	0.158416
15	90.0003	87.0003	3.39999	0.110005	0.108913
16	110	107	3.31	0.0200131	0.0198144
17	150	147	3.29999	0.0100063	0.009907


Site Investigation/Remedial Alternatives Report 8/18/05
Anderson Cleaners 5 Hunt Road, Jamestown, New York
Bouwer and Rice Graph of MW-05
Ho is 1.01003 decimal feet at t = 3 sec
Bouwer and Rice Parameter A is 1.6
Bouwer and Rice Parameter B is 0.2
ln(Re/Rw) = 8.644732e-01
Analysis Starts at time 2.999998 seconds
Analysis Ends at time 1.500005 minutes
15 Measurements Analyzed from 1 to 15
Log of Head Ratio (Ho/Ht)
1
0.1
0.01
Hydraulic Conductivity = 0.0027294 cm/sec
Transmissivity = 10.063 m2/day
0
1
2
Adjusted Time (minutes)
Project Number 3563S-04 for Michael Lyons

Data from file:	C:\DOCUME~1\SIMON\DESKTOP\ANDERS~1\MW06UIN.SLG
Title:	Site Investigation/Remedial Alternatives Report
Site Name:	Anderson Cleaners
Location:	5 Hunt Road, Jamestown, New York
Client:	Michael Lyons
Project Number:	3563S-04
Test Date:	8/18/05
Well Number:	MW-06
Casing Radius:	2.5 inches
Effective Well Radius:	3.99999 inches
Aquifer Thickness:	15 feet
Water Table to Screen Bottom:	15 feet
Screen Length:	5 feet
Static Water Level:	2.97 decimal feet

K ratio is not entered
There are 14 time and drawdown measurements
Tests starts with trial 2
Time values will be adjusted by 0.000104167 days (9.000029 seconds)

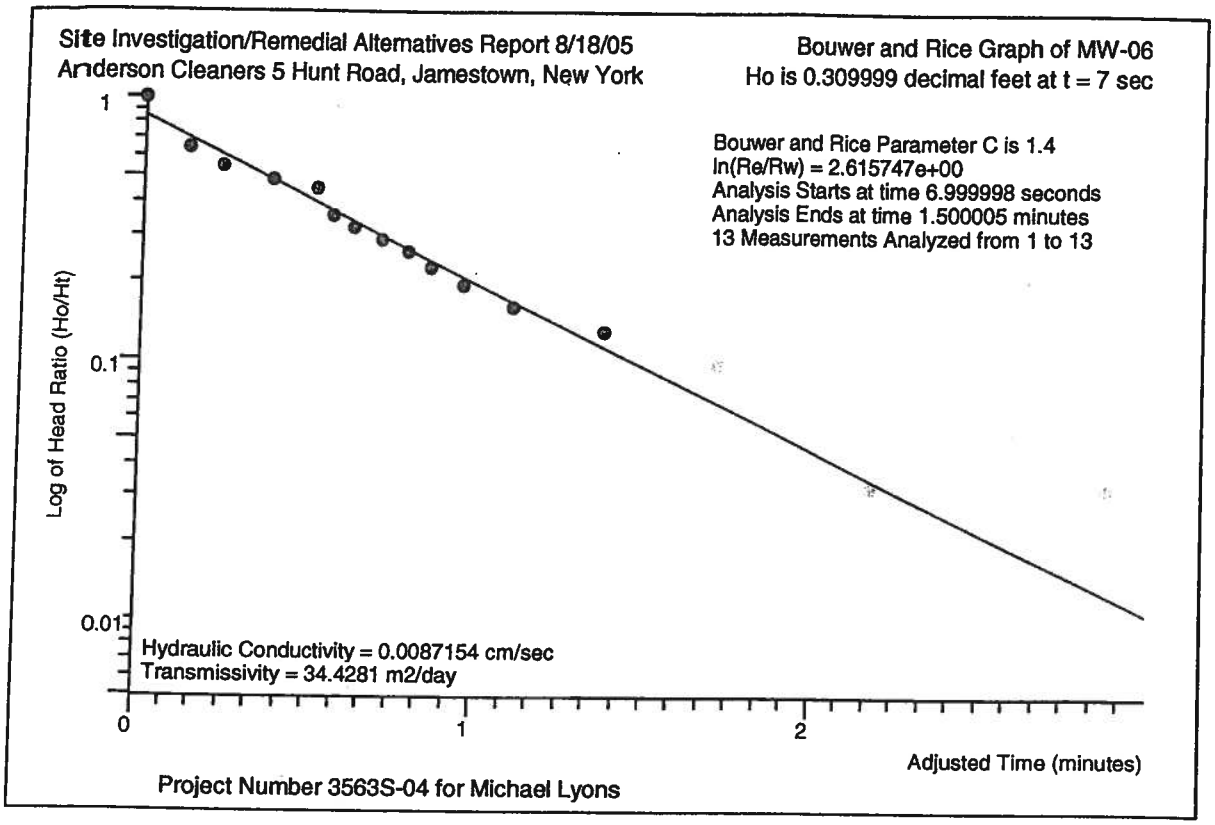
Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	4	-5.00003	2.74	0.230001	0.920001
2	9.00003	0	2.72	0.25	1
3	18	8.99994	2.79	0.180001	0.720004
4	23	14	2.81	0.160001	0.640005
5	29	20	2.83	0.140002	0.560006
6	34	25	2.84	0.130002	0.520006
7	40	31	2.84	0.130002	0.520006
8	57	48	2.85	0.119998	0.479993
9	68	59	2.85	0.119998	0.479993
10	95.0003	86.0002	2.87	0.0999989	0.399995
11	120	111	2.87	0.0999989	0.399995
12	150	141	2.89	0.0799991	0.319996
13	180	171	2.89	0.0799991	0.319996
14	240	231	2.9	0.0699992	0.279996


Site Investigation/Remedial Alternatives Report 8/18/05
Anderson Cleaners 5 Hunt Road, Jamestown, New York
Bouwer and Rice Graph of MW-06
Ho is 0.25 decimal feet at t = 9.00003 sec
Bouwer and Rice Parameter C is 1.4
ln(Re/Rw) = 2.615747e+00
Analysis Starts at time 9.000029 seconds
Analysis Ends at time 0.566667 minutes
5 Measurements Analyzed from 2 to 6
Log of Head Ratio (Ho/Ht)
1
0.1
0.01
Hydraulic Conductivity = 0.00911405 cm/sec
Transmissivity = 36.0029 m2/day
0
1
2
3
4
Adjusted Time (minutes)
Project Number 3563S-04 for Michael Lyons

Data from file:	C:\DOCUME~1\SIMON\DESKTOP\ANDERS~1\MW06UOUT.SLG
Title:	Site Investigation/Remedial Alternatives Report
Site Name:	Anderson Cleaners
Location:	5 Hunt Road, Jamestown, New York
Client:	Michael Lyons
Project Number:	3563S-04
Test Date:	8/18/05
Well Number:	MW-06
Casing Radius:	2.5 inches
Effective Well Radius:	3.99999 inches
Aquifer Thickness:	15 feet
Water Table to Screen Bottom:	15 feet
Screen Length:	5 feet
Static Water Level:	2.94 decimal feet

K ratio is not entered
There are 16 time and drawdown measurements
Tests starts with trial 1
Time values will be adjusted by 8.10185e-05 days (6.999998 seconds)

Trial	Time (seconds)	Adjusted Time (seconds)	Drawdown (decimal feet)	Head (decimal feet)	Head Ratio
1	7	0	3.25	0.309999	1
2	15	7.99999	3.14	0.200001	0.645165
3	21	14	3.11	0.170001	0.548392
4	30	23	3.09	0.149998	0.483866
5	38	31	3.08	0.139998	0.451608
6	41	34	3.05	0.109999	0.354835
7	45	38	3.04	0.0999989	0.322578
8	50	43	3.03	0.089999	0.29032
9	55	48	3.02	0.0799991	0.258062
10	59	52	3.01	0.0699992	0.225804
11	65	58	3	0.0599993	0.193547
12	74	67	2.99	0.0499994	0.161289
13	90.0003	83.0003	2.98	0.0399996	0.129031
14	110	103	2.97	0.0299997	0.0967733
15	138	131	2.95	0.00999989	0.0322578
16	180	173	2.95	0.00999989	0.0322578


Site Investigation/Remedial Alternatives Report 8/18/05
Anderson Cleaners 5 Hunt Road, Jamestown, New York
Bouwer and Rice Graph of MW-06
Ho is 0.309999 decimal feet at t = 7 sec
Bouwer and Rice Parameter C is 1.4
ln(Re/Rw) = 2.615747e+00
Analysis Starts at time 6.999998 seconds
Analysis Ends at time 1.500005 minutes
13 Measurements Analyzed from 1 to 13
Log of Head Ratio (Ho/Ht)
1
0.1
0.01
Hydraulic Conductivity = 0.0087154 cm/sec
Transmissivity = 34.4281 m2/day
0
1
2
Adjusted Time (minutes)
Project Number 3563S-04 for Michael Lyons

DATA USABILITY SUMMARY REPORT
ANDERSON CLEANERS – JAMESTOWN, NY

COLUMBIA ANALYTICAL SERVICES
SAMPLE DELIVERY GROUP (SDG)
Trench-1 (2.0)

MITKEM CORPORATION
SAMPLE DELIVERY GROUPS (SDGs)
D0410, D0523, D0529, D0603, D0618

Deliverables

The above referenced data packages for the samples collected at the Anderson Cleaners Site contain all required deliverables consistent with the requirements of the EPA Region II guidelines. The sample specific analyses performed included Volatile Organic Compounds (VOC), Semivolatile Organic Compounds (SVOC), Pesticides/Polychlorinated Biphenyl Compounds (P/PCB), Total Petroleum Hydrocarbons (TPH), Metals, and Cyanide. Analyses were performed by EPA SOW OLM04.2 for organics, EPA SOW ILM04.1 for inorganics and EPA Method 310.13 for TPH.

The data have been validated according to the protocols and quality control (QC) requirements of the analytical Statement of Work (SOW) or method, the USEPA Region II Standard Operating Procedure (SOP HW-6, Revision 12, March 2001) for CLP Organics Data Review and Preliminary Review, US EPA Region II SOP (HW-2, Revision 11, January 1992) for the Evaluation of Metals Data for the Contract Laboratory Program, and NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation - Appendix 2B Guidance for the Development of Data Usability Summary Reports. The TPH data was evaluated using the reviewer's professional judgment.

The validation report pertains to the samples indicated in each individual section:

Chains-of-Custody

The Chains-of-Custody (COCs) were reviewed for completeness and accuracy. There were no discrepancies observed with the samples presented on the COC, and all tests specified on the COC were performed for the designated samples.

Organics

The following items/criteria were reviewed for this report:

- SDG Narrative and deliverables compliance
- Holding times and sample preservation
- Organic analysis data sheets (Form I)
- System Monitoring Compound (SMC) recovery summary forms
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recovery summary forms
- Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) recovery summary forms

- Positive results reported for method blanks
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning summary forms
- Initial and continuing calibration summary forms
- Internal standard area and retention time summary forms
- P/PCB cleanup check summary forms
- GC column percent difference summary forms

The items listed above were technically and contractually in compliance with the exceptions discussed in the text below. The data have been validated according to the procedures outlined above and qualified accordingly. This report presents QC outliers that resulted in qualification of data only unless otherwise indicated.

Please note that any results qualified "U" due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedences of QC criteria.

Volatile Organics Compounds (VOC)

Trench-1 (2.0) (soil samples collected on 10/06/04)
Trench-1 (2.0)/765137, Trench-2 (2.0)/765138, Trench-3 (2.5)/765139, Rinsate-1/765140, Cooler Blk/765141
D0410 (aqueous samples collected on 04/07/05)
BR-01 (31.1-32.6)/D0410-01, BR-01 (41.7-43.2)/D0410-02, BR-01 (54.7-56.2)/D0410-03, BR-01 (67.7-69.2)/D0410-04, BR-01 (80.7-82.2)/D0410-05, BR-01 (93.7-95.2)/D0410-06, TRIP-1/D0410-07
D0523 (soil samples collected on 05/02/05 through 05/04/05)
B-1 (9.0)/D0523-01, B-4 (4.0)/D0523-02, B-6 (5.0)/D0523-03, B-7 (14.0)/D0523-04
D0529 (soil samples collected on 05/05/05)
B-3 (9.0)/D0529-01, B-3 (3.0)/D0529-02, Rinsate-2 (5-5-05)/D0529-03
D0603 (soil samples collected on 05/23/05)
B-8 (4.0)/D0603-01, B-11 (3.0)/D0603-02
D0618 (aqueous samples collected on 05/25/05)
MW-01/D0618-01, MW-03/D0618-02, MW-04/D0618-03, MW-05/D0618-04, MW-06/D0618-05, MW-07/D0618-06, PW-3/D0618-07, MW-7/D0618-08, Rin-3 (5-25-05)/D0618-09, Trip/D0618-10

<u>QC Samples</u>
Trench-1 (2.0)/765137 MS/MSD
Rinsate-1/765140 (equipment blank 10/06/04)
Cooler Blk/765141 (cooler blank 10/06/04)
BR-01 (31.1-32.6)/D0410-01 MS/MSD
TRIP-01/D0410-01 (trip blank 04/07/05)
B-3 (9.0)/D0529-01 MS/MSD
Rinsate-2 (5-5-05) (equipment blank 05/05/05)
MW-01/D0618-01 MS/MSD
Rin-3 (5-25-05)/D0618-09 (equipment blank 05/25/05)
Trip/D0618-10 (trip blank 05/25/05)

- The samples presented in the following table were analyzed at dilutions or reanalyzed at dilutions due to elevated concentrations of target analytes exceeding the linear range of the curve and qualified (E) by the laboratory. The diluted results were transferred to the original Form Is. Results were not adversely affected, but reporting limits were elevated accordingly for diluted analytes.

Sample ID	Fraction	Dilution
Trench-1 (2.0)	VOC	medium level at 40x
Trench-2 (2.0)	VOC	2x and medium level
Trench-3 (2.5)	VOC	2x and medium level
BR-01 (31.1-32.6)	VOC	50x
BR-01 (41.7-43.2)	VOC	80x
BR-01 (54.7-56.2)	VOC	20x
BR-01 (67.7-69.2)	VOC	3x
BR-01 (80.7-82.2)	VOC	4x
B-4 (4.0)	VOC	5x
B-3 (9.0)	VOC	medium level
B-3 (3.0)	VOC	5x and medium level at 50x
B-8 (4.0)	VOC	medium level at 2x
MW-03	VOC	20x
MW-04	VOC	20x
MW-06	VOC	10x
MW-07	VOC	50x and 100x
PW-3	VOC	200x and 800x
MW-7	VOC	1000x

- The sample presented in the following table was reanalyzed at a dilution due to elevated concentrations of target analytes. The original result for vinyl chloride exceeded the calibration range in the undiluted analysis and was qualified (E) by the laboratory, but was non-detect in the diluted analysis. The result from the undiluted analysis will be reported, is considered estimated, and is qualified "J".

Sample ID	Compound	Qualifier
B-8 (4.0)	Vinyl chloride	J

- The following table presents samples which were analyzed at a dilution beyond the 14 day technical holding time for preserved water samples.

Sample ID	Date Sampled	Date Analyzed	Qualifier
MW-07DL1	05/25/05	06/23/05	J all positive results and UJ all non-detect results
PW-3DL1	05/25/05	06/23/05	J all positive results and UJ all non-detect results

- The following table presents samples with surrogate recoveries outside the QC limits.

Sample ID	Surrogate	Recovery	QC Limits	Qualifier
B-3 (3.0)	Bromofluorobenzene	140%	59-113%	J all positive results

Sample ID	Surrogate	Recovery	QC Limits	Qualifier
B-8 (4.0)	Bromofluorobenzene	133%	59-113%	J all positive results
MW-06	Toluene-d8	84%	88-110%	J all positive results and UJ all non-detect results
MW-07DL1	Toluene-d8	86%	88-110%	J all positive results and UJ all non-detect results
MW-07DL1	Bromofluorobenzene	85%	86-115%	J all positive results and UJ all non-detect results
PW-3DL1	Toluene-d8	83%	88-110%	J all positive results and UJ all non-detect results
PW-3DL1	Bromofluorobenzene	81%	86-115%	J all positive results and UJ all non-detect results
MW-7	Toluene-d8	87%	88-110%	J all positive results and UJ all non-detect results

- The following table presents MS/MSD percent recoveries (%R) and/or relative percent differences (RPD) outside the QC limits.

MS/MSD ID	Compound	Recovery %R/%R/RPD	QC Limits	Qualifier
BR-01 (31.1-32.6)	1,1-Dichloroethene	OK/OK/29	59-172%/14	None-qualifiers not applied based on MS/MSD alone
	Trichloroethene	-200/-200/0	62-137%/12	
	Benzene	OK/OK/30	66-142%/12	
	Toluene	OK/OK/28	59-139%/11	
	Chlorobenzene	OK/OK/29	60-133%/8	
MW-01	Benzene	OK/130/OK	76-127%/11	None-qualifiers not applied based on MS/MSD alone
	Toluene	128/130/OK	76-125%/13	

- The following table presents blanks with contaminants and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations of methylene chloride, 2-butanone, toluene or acetone (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a "U". For all other compounds, an action level of five times (5x) the highest associated blank concentration is used.

Blank ID	Contaminant	Concentration	Affected Sample(s)	Qualifier
VBLKIN 05/27/05	Tetrachloroethene	2 ug/kg	B-11 (3.0)	U

- The following table presents compounds that exceeded 30 percent relative standard deviation (%RSD) in the initial calibration (ICAL). Associated field samples are also listed. Positive results for these compounds in associated samples are considered estimated and qualified "J".

ICAL	Compound	RSD	Affected Sample(s)	Qualifier
04/12/05	2-Hexanone	56.4%	BR-01 (31.1-32.6) BR-01 (41.7-43.2) BR-01 (54.7-56.2) BR-01 (67.7-69.2) BR-01 (80.7-82.2) BR-01 (93.7-95.2) Trip-01	None-all samples non-detect for 2-hexanone

- The following table presents compounds that exceeded 25 percent deviation (%D) in the continuing calibration (CCAL). Associated field samples are also listed. Positive results for these compounds in associated samples are considered estimated and qualified "J". All non-detect results for these compounds in the associated samples are qualified "UJ". Also listed are those compounds whose relative response factor (RRF) was <0.05. Positive results for these compounds in the associated samples are considered estimated and qualified "J". All non-detect results for these compounds in the associated samples are qualified "R".

CCAL	Compound	%D or RRF	Affected Sample(s)	Qualifier
04/13/05	Trichlorofluoromethane Acetone 2-Butanone	25.1%D 41.7%D 25.8%D	BR-01 (31.1-32.6) BR-01 (41.7-43.2) BR-01 (54.7-56.2) BR-01 (67.7-69.2) BR-01 (80.7-82.2) Trip-01	UJ UJ UJ
04/14/05	Acetone 2-Butanone	52.3%D 28.6%D	BR-01 (93.7-95.2) BR-01 (31.1-32.6)DL BR-01 (41.7-43.2)DL BR-01 (54.7-56.2)DL BR-01 (67.7-69.2)DL BR-01 (80.7-82.2)DL	UJ UJ
05/13/05	Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Acetone Methylene chloride	29.8%D 29.2%D 28.3%D 27.3%D 32.0%D 33.1%D	B-1 (9.0) B-4 (4.0) B-6 (5.0) B-7 (14.0) B-3 (9.0) B-3 (3.0)	UJ UJ UJ UJ J/UJ J/UJ
05/13/05	Acetone 2-Butanone 2-Hexanone Styrene	56.5%D 38.0%D 30.4%D 28.0%D	Rinsate-2 (5-5-05)	UJ UJ UJ UJ
05/17/05	Acetone	34.9%D	B-3 (3.0)DL	UJ
05/26/05	Acetone	36.3%D	B-8 (4.0)	J
05/27/05	Acetone 1,2-Dibromo-3-chloropropane	31.3%D 0.048RRF	B-11 (3.0)	J R
06/02/05	Acetone	33.7%D	B-8 (4.0)DL, MW-01	J/UJ

CCAL	Compound	%D or RRF	Affected Sample(s)	Qualifier
06/02/05			MW-03, MW-04 MW-05, MW-06 MW-07, PW-3	
06/03/05	Dichlorodifluoromethane Chloroethane	47.0%D 30.6%D	MW-7, MW-03DL MW-04DL, MW-06DL MW-07DL, PW-3DL	UJ UJ
06/07/05	Trichlorofluoromethane	29.1%D	MW-7DL	UJ
06/23/05	Acetone 2-Butanone 2-Hexanone	47.6%D 45.1%D 38.5%D	MW-07DL1, PW-3DL1	UJ UJ UJ

- Tentatively Identified Compounds (TICs) were qualified as estimated "J" for unknowns and "NJ" for knowns by the laboratory.

- Compounds reported at less than the CRQL were qualified as estimated "J".

Semivolatile Organics Compounds (SVOC)

Trench-1 (2.0) (soil samples collected on 10/06/04)
Trench-1 (2.0)/765137, Rinsate-1/765140
DO523 (soil samples collected on 05/02/05)
B-1 (9.0)/D0523-01
DO529 (soil samples collected on 05/05/05)
B-3 (9.0)/D0529-01, Rinsate-2 (5-5-05)/D0529-03
DO618 (aqueous samples collected on 05/25/05)
MW-01/D0618-01, MW-06/D0618-05, MW-07/D0618-06, Rin-3 (5-25-05)/D0618-09

QC Samples
Trench-1 (2.0)/765137 MS/MSD
Rinsate-1/765140 (equipment blank 10/06/04)
B-3 (9.0)/D0529-01 MS/MSD
Rinsate-2 (5-5-05) (equipment blank 05/05/05)
MW-01/D0618-01 MS/MSD
Rin-3 (5-25-05)/D0618-09 (equipment blank 05/25/05)

- The following table presents samples with surrogate recoveries outside the QC limits.

Sample ID	Surrogate	Recovery	QC Limits	Qualifier
Trench-1 (2.0)	1,2-Dichlorobenzene-d4	2%	20-130%	J/R all base/neutral (B/N) results
MW-01	2,4,6-Tribromophenol	157%	10-123	None-only one acid fails criteria

Sample ID	Surrogate	Recovery	QC Limits	Qualifier
MW-06	Terphenyl-d14	149%	33-141%	None-only one B/N fails criteria
	Phenol-d5	119%	10-110%	None-all acids non-detect
	2,4,6-Tribromophenol	162%	10-123%	None-all acids non-detect
MW-07	Nitrobenzene-d5	177%	35-114%	None-all B/N non-detect
	2-Fluorobiphenyl	119%	43-116%	None-all B/N non-detect
	Phenol-d5	112%	10-110%	None-all acids non-detect
	2,4,6-Tribromophenol	155%	10-123%	None-all acids non-detect
Rin-3 (5-25-5)	Terphenyl-d14	148%	33-141%	None-only one B/N fails criteria
	2,4,6-Tribromophenol	133%	10-123%	None-only one acid fails criteria

- The following table presents MS/MSD percent recoveries (%R) and/or relative percent differences (RPD) outside the QC limits.

MS/MSD ID	Compound	Recovery %R/%R/RPD	QC Limits	Qualifier
Trench-1 (2.0)	N-Nitroso-di-n-propylamine	OK/39/OK	41-126%/14	None-already qualified due to low surrogate recovery
	Pentachlorophenol	123/OK/OK	17-109%/18	None-qualifiers not applied based on MS/MSD alone and sample non-detect for this compound
MW-01	4-Chloro-3-methylphenol	125/136/OK	23-97%/42	None-qualifiers not applied based on MS/MSD alone and sample non-detect for these compounds
	4-Nitrophenol	125/125/OK	10-80%/50	
	2,4-Dinitrotoluene	105/OK/OK	24-96%/38	
	Pentachlorophenol	114/136/OK	9-103%/50	
	Pyrene	144/141/OK	26-127%/31	

- The following table presents LCS/LCSD percent recoveries (%R) and/or RPD outside the QC limits.

LCS/LCSD ID	Compound	Recovery %R/%R/RPD	Affected Sample(s)	QC Limits	Qualifier
SBLK1 MS/MSD	4-Nitrophenol	92/91/OK	Rinsate-1	10-80%/50	None-sample non-detect for this compound
SBLK2MS	4-Nitrophenol	108	Trench-1 (2.0)	10-80%	None-sample non-detect for these compounds
	Pentachlorophenol	132		9-103%	

LCS/LCSD ID	Compound	Recovery %R/%R/RPD	Affected Sample(s)	QC Limits	Qualifier
SW1LCS	4-Nitrophenol Pentachlorophenol	100/87/OK 111/OK/OK	Rinsate-2 (5-5-05)	10-80% 9-103%	None-sample non-detect for these compounds
S1CLCS	4-Chloro-3-methylphenol 4-Nitrophenol 2,4-Dinitrotoluene Pyrene	147 119 108 148	MW-01 MW-06 MW-07 Rin-3 (5-25-5)	23-97% 10-80% 24-96% 26-127%	None-samples non-detect for these compounds

- The following table present blanks with contaminants and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations of phthalates (common laboratory contaminants) less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture, and sample volume into account) are negated and qualified with a "U". For all other compounds, an action level of five times (5x) the highest associated blank concentration is used.

Blank ID	Contaminant	Concentration	Affected Sample(s)	Qualifier
SBLK1	Di-n-butylphthalate	3 ug/L	Rinsate-1	U
SBLK2	Di-n-butylphthalate	65 ug/kg	Trench-1 (2.0)	U
Rinsate-1	bis(2-Ethylhexyl)phthalate	1 ug/L	Trench-1 (2.0)	U

- The following table presents compounds that exceeded 30 percent relative standard deviation (%RSD) in the initial calibration (ICAL). Associated field samples are also listed. Positive results for these compounds in associated samples are considered estimated and qualified "J".

ICAL	Compound	RSD	Affected Sample(s)	Qualifier
05/31/05	Benzaldehyde 4-Chloroaniline	33.0% 33.3%	MW-01 MW-06 MW-07 Rin-3 (5-25-5)	None-all samples non-detect for these compounds

- The following table presents compounds that exceeded 25 percent deviation (%D) in the continuing calibration (CCAL). Associated field samples are also listed. Positive results for these compounds in associated samples are considered estimated and qualified "J". All non-detect results for these compounds in the associated samples are qualified "UJ". Also listed are those compounds whose relative response factor (RRF) was <0.05. Positive results for these compounds in the associated samples are considered estimated and qualified "J". All non-detect results for these compounds in the associated samples are qualified "R".

CCAL	Compound	%D or RRF	Affected Sample(s)	Qualifier
10/13/04	2,4-Dinitrophenol	39.1%D	Rinsate-1	UJ
10/21/04	Hexachlorocyclopentadiene	36.5%D	Trench-1 (2.0)	UJ
	2,4-Dinitrophenol	35.3%D		UJ
	Pentachlorophenol	29.0%D		UJ
05/25/05	Benzaldehyde	44.0%D	B-1 (9.0)	UJ
	2,4-Dinitrophenol	35.3%D	B-3 (9.0)	UJ
	4-Nitroaniline	28.0%D	Rinsate-2	UJ
	Pentachlorophenol	29.9%D	(5-5-05)	UJ
06/06/05	Benzaldehyde	50.8%D	MW-01	UJ
	4-Chloroaniline	56.4%D	MW-06	UJ
	2-Methylnaphthalene	25.2%D	MW-07 Rin-3	UJ
	bis(2-Ethylhexyl)phthalate	26.1%D	(5-25-5)	UJ
	Di-n-octylphthalate	29.0%D		UJ

- Tentatively Identified Compounds (TICs) were qualified as estimated "J" for unknowns and "NJ" for knowns by the laboratory. TICs detected in samples at less than 5x the concentration detected in the associated blank were qualified "R".

- Compounds reported at less than the CRQL were qualified as estimated "J".

P/PCBs

Trench-1 (2.0) (soil samples collected on 10/06/04)
Trench-1 (2.0)/765137, Rinsate-1/765140
D0523 (soil samples collected on 05/02/05)
B-1 (9.0)/D0523-01
D0529 (soil samples collected on 05/05/05)
B-3 (9.0)/D0529-01, Rinsate-2 (5-5-05)/D0529-03
D0618 (aqueous samples collected on 05/25/05)
MW-01/D0618-01, MW-06/D0618-05, MW-07/D0618-06,
Rin-3 (5-25-05)/D0618-09

QC Samples
Trench-1 (2.0)/765137 MS/MSD
Rinsate-1/765140 (equipment blank 10/06/04)
B-3 (9.0)/D0529-01 MS/MSD
Rinsate-2 (5-5-05) (equipment blank 05/05/05)
MW-01/D0618-01 MS/MSD
Rin-3 (5-25-05)/D0618-09 (equipment blank 05/25/05)

- The following table presents samples with surrogate recoveries outside the QC limits.

Sample ID	Surrogate	Recovery	QC Limits	Qualifier
Rinsate-2 (5-5-05)	TCMX2	173%	30-150%	None-only one surrogate fails criteria

- The following table presents compounds that exceeded 20 percent RSD in the initial calibration (ICAL) or 15 percent deviation (%D) in the continuing calibration (CCAL).

CAL	Compound	RSD or %D	Affected Sample(s)	Qualifier
ICAL 05/04/05-05/05/05	Endosulfan sulfate Endrin ketone	29.8%RSD 25.2%RSD	B-1 (9.0) B-3 (9.0) Rinsate-2 (5-5-05)	None-other column meets criteria and samples non-detect for these compounds
ICAL 06/01/05	Endosulfan sulfate	22.9%RSD	MW-01, MW-06, MW-07, Rin-3 (5-25-5)	None-other column meets criteria and samples non-detect for this compound

- The following table presents samples, detected compounds and percent difference (%D) between the two analytical columns greater than the 25% QC limit.

Sample ID	Compound	%D	Qualifier
B-3 (9.0)	4,4'-DDT	28.0	J
Rinsate-2 (5-5-05)	4,4'-DDE	102.2	U

TPH

D0603 (soil sample collected on 05/23/05)
B-8 (4.0)/D0603-01
D0618 (aqueous samples collected on 05/25/05)
MW-07/D0618-06, PW-3/D0618-07, MW-7/D0618-08

QC Samples
None

- All QC criteria were met.

Metals and Cyanide

Trench-1 (2.0) (soil samples collected on 10/06/04)
Trench-1 (2.0)/765137, Rinsate-1/765140
D0523 (soil samples collected on 05/02/05)
B-1 (9.0)/D0523-01
D0529 (soil samples collected on 05/05/05)
B-3 (9.0)/D0529-01, Rinsate-2 (5-5-05)/D0529-03
D0618 (aqueous samples collected on 05/25/05)
MW-01/D0618-01, MW-06/D0618-05, MW-07/D0618-06, Rin-3 (5-25-05)/D0618-09

QC Samples
Trench-1 (2.0)/765137 MS/DUP
Rinsate-1/765140 (equipment blank 10/06/04)
B-3 (9.0)/D0529-01 MS/DUP
Rinsate-2 (5-5-05) (equipment blank 05/05/05)

MW-01/D0618-01 MS/DUP
Rin-3 (5-25-05)/D0618-09 (equipment blank 05/25/05)

The following items/criteria were reviewed for this report:

- Case narrative and deliverable requirements
- Holding times and sample preservation
- Inorganic analysis data sheets (Form I)
- Initial and continuing calibration verifications
- CRDL sample recoveries
- Lab blank data
- ICP interference check sample recoveries
- Matrix spike/matrix spike duplicate recoveries
- Laboratory duplicate sample precision
- Laboratory Control Sample (LCS) results
- Serial Dilution results

The items listed above were technically and contractually in compliance with the exceptions discussed in the text below. The data have been validated according to the procedures outlined above and qualified accordingly. This report presents all QC outliers that resulted in qualification of data only unless otherwise indicated.

Please note that any results qualified "U" due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedences of QC criteria.

- The following table present analytes that failed 90-110% recovery in the initial calibration (IC) or continuing calibration (CC) standard(s) and/or failed 80-120% recovery in the CRDL (contract required detection limit) standard.

STD ID	Analyte	Recovery	Affected Sample(s)	Qualifier
CC	Thallium	118/111	Trench-1 (2.0)	J
CRDL	Thallium	128	Trench-1 (2.0)	None-already qualified due to CC
CRDL	Selenium	121	Rinsate-1	UJ
CRDL	Silver	165	B-1 (9.0)	None- sample non-detect for silver
CRDL	Zinc	138/133	B-1 (9.0)	J
CRDL	Selenium	140	Rinsate-2 (5-5-05)	None-sample non-detect for selenium
CRDL	Silver	165	B-3 (9.0)	None-sample non-detect for silver
CRDL	Zinc	138/133/127	Rinsate-2 (5-5-05)	J
CRDL	Lead	125/124/122	Rin-3 (5-25-5)	J
CRDL	Silver	128	MW-01, MW-06, MW-07, Rin-3 (5-25-5)	None-samples non-detect for silver

STD ID	Analyte	Recovery	Affected Sample(s)	Qualifier
CRDL	Zinc	130/125/127/132	MW-06, Rin-3 (5-25-5)	J

- All initial calibration blanks (ICB), continuing calibration blanks (CCB), and method blanks were non-detect for target analytes or the analyte concentration was less than the CRDL.

- The following table presents field blanks with contaminants and the sample(s) associated with the blank that had results qualified as a consequence of the blank contamination. An action level of 10 times (10x) the associated blank contamination (after taking sample dilution levels, percent solids, and sample volume into account) are negated and qualified with a "U".

Blank ID	Contaminant	Concentration	Affected Sample(s)	Qualifier
Rinsate-1	Sodium	248 ug/L	Trench-1 (2.0)	U
	Zinc	1.5 ug/L		None-greater than 10X blank
Rinsate-2 (5-5-05)	Aluminum	39.4 ug/L	B-3 (9.0)	None-greater than 10X blank
	Antimony	2.5 ug/L		None-sample non-detect
	Barium	1.8 ug/L		None-greater than 10X blank
	Calcium	331 ug/L		None-greater than 10X blank
	Cobalt	0.61 ug/L		None-greater than 10X blank
	Copper	4.5 ug/L		None-greater than 10X blank
	Iron	22.7 ug/L		None-greater than 10X blank
	Magnesium	38.7 ug/L		None-greater than 10X blank
	Manganese	0.85 ug/L		None-greater than 10X blank
	Nickel	0.83 ug/L		None-greater than 10X blank
	Silver	1.6 ug/L		None-sample non-detect
	Sodium	107 ug/L		U
	Zinc	27.3 ug/L		None-greater than 10X blank
Rin-3 (5-25-5)	Aluminum	70.8 ug/L	MW-01 MW-06 MW-07	None-greater than 10X blank
	Barium	2.9 ug/L		None-greater than 10X blank
	Calcium	134 ug/L		None-greater than 10X blank
	Cobalt	0.87 ug/L	MW-06	U

Blank ID	Contaminant	Concentration	Affected Sample(s)	Qualifier
Rin-3 (5-25-5)	Copper	2.4 ug/L	MW-06	U
	Iron	36.5 ug/L		None-greater than 10X blank or non-detect
	Lead	1.0 ug/L		None-greater than 10X blank
	Magnesium	44.4 ug/L		None-greater than 10X blank
	Manganese	2.5 ug/L		None-greater than 10X blank
	Nickel	1.2 ug/L	MW-06	U
	Sodium	62.0 ug/L		None-greater than 10X blank
	Zinc	9.1 ug/L	MW-06	U

- The following table presents matrix spike (MS) with percent recoveries (%R) outside the 75-125% QC limits.

MS ID	Analyte	Recovery	Affected Sample(s)	Qualifier
Trench-1 (2.0)	Antimony	65%	Trench-1 (2.0)	UJ
	Copper	63%		J
	Zinc	74%		UJ
MW-01	Antimony	72%	MW-01, MW-06, MW-07, Rin-3 (5-25-5)	J/UJ
	Selenium	0%		R
	Silver	28%		R

- The following table presents serial dilution results with percent differences (%D) outside the 10% QC limits.

Sample ID	Analyte	%D	Affected Sample(s)	Qualifier
Trench-1 (2.0)	Cobalt	10.3%	Trench-1 (2.0)	J
B-3 (9.0)	Copper	10.5%	B-3 (9.0)	J
MW-01	Barium	10.3%	MW-01, MW-06, MW-07, Rin-3 (5-25-5)	J
	Cobalt	13.4%		J/UJ
	Iron	14.1%		J
	Lead	10.6%		J/UJ
	Magnesium	12.4%		J
	Manganese	14.1%		J
	Nickel	13.4%		J/UJ
	Vanadium	10.4%		J/UJ
	Zinc	14.5%		J/UJ

Package Summary:

All data are valid and usable with qualifications as noted in this review.

Signed: _____ Dated: 09/06/05

Gloria J. Switalski
President, Data Check, Inc.

WTS# 22864

WASTE CHARACTERIZATION REPORT

Tracking #_____

MHG

☐ *I authorize EQ - The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.*

☒ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. 1-94 Service Drive, Belleville, MI 481 11 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. 1-94 Service Drive, Belleville, MI 481 11 Phone: 800-592-5489 Fax: 800-592-5329	EPA ID # MID 048 090 633
☐ **EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick Street, Detroit, MI 4821 1 Phone: (313) 923-0080 Fax: 313-923-3375	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, MI 48174 Phone: 866-373-8357 Fax: 734-326-4033	EPA ID # MID 060 975 844
☐ **EQ North Carolina** (Stabilization, Treatment, Labpack Decommissioning)	1005 Investment Blvd, Apex, NC 27502 Phone: 919-3634700 Fax: 919-363-4714	EPA ID # NCD 982 170 292
☐ **EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East 8th Ave, Tampa, FL 33619 Phone: 813-623-5463 Fax: 813-628-0842	EPA ID # FLD 981 932 494
☐ **EQ Transfer & Processing** (Drum Transfer/Non-Hazardous Waste Processing)	1010 Old Rawsonville Rd., Ypsilanti, MI 48198 Phone: 734-547-1000 Fax: 734-480-9195	EPA ID # MIR 000 033 969 EPA ID # MIO 000 263 871
☐ **EQ Indianapolis** (Drum Transfer/Non-Hazardous Waste Processing)	4000 West 10th Street, Indianapolis, IN 46222 Phone: 317-247-7160 Fax: 317-247-7170	EPA ID # MIO 000 263 871
☐ **EQ Atlanta** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd SW, Atlanta, GA 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID # MIO 000 263 871
☐ **EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd, Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID # GAR 000 011 817

Waste Common Name:
Soil w/chlorinated solvents

Section I - Generator & Customer Information

SIC/NAICS* 9511

Generator EPA ID # NYD 012 774 063

Generator Anderson Cleaners

Facility Address 5 Hunt Rd.

City Jamestown State NY Zip 14701

County Chautauqua

Mailing Address Same

City _____ State _____ Zip _____

Generator Contact Mike Lyons

Title Owner

Phone 716-664-5610 Fax _____

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Internal Use Only: EQ Division _____

EQ Customer No. 583

Invoicing Company Waste Technology Services, Inc.

Address 435 North 2nd Street

City Lewiston State New York Zip 14092

Country USA

Invoicing Contact Judy Cline

Phone (716) 754-5400 Fax (716) 754-8001

Technical Contact Jim Weber

Phone 716-754-5400 Fax 716-754-8001

Mobile _____ Pager _____

E-mail jweber@wtsonline.com

Section 2 - Shipping & Packaging Information

2.1) Shipping Volume & Frequency 200-300 tons

☒ One Time Only ☐ Year ☐ Quarter ☐ Month

2.2) DOT Shipping Name RQ Hazardous waste, solid, n.o.s., (F001,D039,D043) 9 NA3077 III

2.3) Is this waste surcharge exempt? ☐ Yes ☐ No
If yes, please attach a surcharge exemption form, found in Section 2 of the EQ Resource Guide.

2.4) Packaging (check all that apply)
☐ Bulk Solid (Yd³< 2000 lbs/yd³)
☒ Bulk Solid (Ton >2000 lbs/yd³)
☐ Bulk Liquids (Gallon)
☐ Totes, Size _____
☐ Cubic Yard Boxes/Bags
☐ Drums
☐ Other (palletized, 5 gal. Pail, etc.) _____

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

WTS# 22864

Section 3 - Physical Characteristics

3. 1) Color black 3.2) Odor none

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ☐ Yes ☒ No

3.4) Physical State at 70 F:	☒ Solid	☐ Dust/Powder	☐ Liquid	☐ Sludge	
3.5) What is the pH of this waste?	☐ <2	☐ 2.1-49	☒ 5-10	☐ 10.1-12.4	☐ ≥12.5
3.6) What is the flash point of this waste?	☐ <90 F	☐ 90-140 F	☐ 140-199 F	☒ >200 F	
3.7) Does this waste contain? (check all that apply)		☒ None	☐ Free Liquids	☐ Oily Residue	☐ Metal Fines
☐ Biodegradable Sorbants	☐ Amines	☐ Ammonia	☐ Dioxins	☐ Furans	☐ Biohazard
☐ Shock Sensitive Waste	☐ Reactive Waste	☐ Radioactive Waste	☐ Explosives	☐ Pyrophoric Waste	☐ Isocyanates
☐ Asbestos - non-friable	☐ Asbestos - friable				

Section 4 - Waste Composition and Generating Process

4. 1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

soil/stones	to 90-99 %	vinyl chloride	to trace %
misc. PPE/Debris	to 1-10 %	perchloroethylene	to trace %

Total: 100%

4.2) Provide a *detailed* description of the process generating this waste (attach flow diagram if available).

remediation effort at former dry cleaning facility

Section 5 - Hazardous or Non-Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guidefor a list of waste codes

As determined by 40 CFR, Part 261 and State Rules:			Please list applicable waste code(s):
5. 1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)?	☒ Yes	☐ No	F001
5.2) Is this an EPA RCRA characteristic hazardous waste (D001 -D043)?	☒ Yes	☐ No	D039
5.3) Do any State Waste Codes apply?	☐ Yes	☒ No	
5.4) Is this waste intended for wastewater treatment?	☐ Yes*	☒ No	

If you answered 'no' to 5.1, 5.2, and 5.3, please skip to Section 7. *If you answered 'yes' to 5.4, please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 6 -Hazardous Wastes

6. 1) Does this waste exceed Land Disposal Restriction levels?	☒ Yes	☐ No
6. 1 a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49?	☐ Yes	☒ No
6. lb) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.)	☐ Yes	☒ No
6.2) Is the waste an oxidizer (D001)?	☐ Yes	☒ No
6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)?	☐ Yes	☒ No
6.4) Does this waste contain reactive sulfide > 500 ppm (D003)?	☐ Yes	☒ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either "Below" or "Above" **MUST** be checked for each constituent.

Based On: ☐ Generator Knowledge ☒ Analysis* ☐ MSDS* *Please attach a copy.

Code		Regulatory Level TCLP (mg/l)	Concentration (If above)	Code		Regulatory Level TCLP (mg/l)	Concentration (If above)
D004	Arsenic	5	☒ Below ☐ Above	D024	M-Cresol	200	☒ Below ☐ Above
D005	Barium	100	☒ Below ☐ Above	D025	p-Cresol	200	☒ Below ☐ Above
D006	Cadmium	1	☒ Below ☐ Above	D026	Cresols	200	☒ Below ☐ Above
D007	Chromium	5	☒ Below ☐ Above	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above
D008	Lead	5	☒ Below ☐ Above	D028	1,2-Dicholoroethane	0.5	☒ Below ☐ Above
D009	Mercury	0.2	☒ Below ☐ Above	D029	IJ-Dichloroethylene	0.7	☒ Below ☐ Above
D010	Selenium	1	☒ Below ☐ Above	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above
D011	Silver	5	☒ Below ☐ Above	D031	Heptachlor	0.008	☒ Below ☐ Above
D012	Endrin	0.02	☒ Below ☐ Above	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above
DO 13	Lindane	0.4	☒ Below ☐ Above	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above
D014	Methoxychlor	10	☒ Below ☐ Above	D034	Hexachloroethane	3.0	☒ Below ☐ Above
D015	Toxaphene	0.5	☒ Below ☐ Above	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above
D016	2,4-D	10	☒ Below ☐ Above	D036	Nitrobenzene	2	☒ Below ☐ Above
D017	2,4,5-TP (Silvex)	1	☒ Below ☐ Above	D037	Pentachlorophenol	100	☒ Below ☐ Above
D018	Benzene	0.5	☒ Below ☐ Above	D038	Pyridine	5	☒ Below ☐ Above
D019	Carbon Tetrachloride	0.5	☒ Below ☐ Above	D039	Tetrachloroethylene	0.7	☐ Below ☒ Above
D020	Chlordane	0.03	☒ Below ☐ Above	D040	Trichloroethylene	0.5	☒ Below ☐ Above
D021	Chlorobenzene	100	☒ Below ☐ Above	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above
D022	Chloroform	6.0	☒ Below ☐ Above	D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above
D023	o-Cresol	200	☒ Below ☐ Above	D043	Vinyl Chloride	0.2	☐ Below ☒ Above

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ☐ Yes ☒ No
If yes, please list the constituents in Section 11.

WTS# 22864

Section 7 - Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide

Please list applicable waste code: _____

7. 1) Is this a Michigan non-hazardous liquid industrial waste? ☐ Yes ☒ No
7.2) Is this a Universal waste? ☐ Yes ☒ No
7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ☐ Yes ☒ No
7.4) Is this waste a recoverable petroleum product? ☐ Yes* ☒ No
7.5) Is this waste used oil as defined by 40 CFR Part 279? ☐ Yes* ☒ No

If you answered 'yes' to questions 7.4 or 7.5 please attach the Waste Characterization Report Addendum found in Section 7 of the EQ Resource Guide.

Section 8 - TSCA Information

8. 1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 ppm ☐ 50-499 ppm ☐ 500+ ppm
8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ☐ Yes ☒ No
If you answered "no" to 8.1 and 8.21 please skip to Section 9.
8.3) Has this waste been processed into a non-liquid form? ☐ Yes ☐ No
If yes, what was the concentration of PCBs prior to processing? ☐ N/A ☐ 0-499 ppm ☐ 500+ ppm
8.4) Is the non-liquid PCB waste in the form of *soil*, rags, debris, or other contaminated media? ☐ Yes ☐ No
8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☐ No
8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☐ N/A ☐ Yes ☐ No

Section 9 - Clean Air Act Information

NESHAP SIC*		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

9. 1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40,CFR, Part 264, Subpart CC (RCRA)? ☒ Yes ☐ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants - VOHAP's or Volalite Organic Compounds - VOC's?)
For a complete list of VOHAP's, please see Section I I of the EQ Resource Guide
9.2) Does this waste stream contain Benzene? ☐ Yes ☒ No
If you answered "no" to 9.2 please skip to Section 10.
9.3) Does the waste stream come from a facility with one of the SIC codes listed under the NESHAP? ☐ Yes ☐ No
9.4) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥ 10 Mg/year? ☐ Yes ☐ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.
If you answered "no" to question 9.3 and 9.4, please skip to Section 10.
9.5) Does the waste contain >10% water? ☐ Yes ☐ No
9.6) What is the TAB quantity for your facility? _____ Mg/Year
9.7) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No
9.8) What is the total Benzene concentration in your waste? _____ Percent or _____ ppmw.
(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

Section 10 - Fuel Blending Information

10. 1) Is this waste intended for fuel blending? ☐ Yes* ☒ No
*If yes, Heat value (BTU/lb.) _____ Chlorine (%) _____ Water (%) _____ Solids (%) _____
10.2) Is this waste intended for reclamation? ☐ Yes ☒ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 - Constituent Information

Please identify your waste constituents from these four categories: ***Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)***

Constituent	Concentration	UHC?		Constituent	Concentration	UHC?	
perchloroethylene	<5,510 ppm	☐ Yes	☒ No			☐ Yes	☐ No
vinyl chloride	<2.4 ppm	☐ Yes	☒ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No
		☐ Yes	☐ No			☐ Yes	☐ No

Please see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 - Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature _____ Printed Name MICHAEL K. LYONS

Company ANDERSON Cleaners Title Owner Date 7-18-05

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

WTS# 22864

MHG

Land Disposal Restriction & Certification Form

Please check the appropriate facility:

☒ **Michigan Disposal Waste Treatment Plant**	49350 N. I-94 Service Drive, Belleville, MI 481 11	EPA ID # MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill**	493 50 N. I-94 Service Drive, Belleville, MI 481 1 1	EPA ID # MID 048 090 633
☐ **EQ Detroit, Inc.**	1923 Frederick Street, Detroit, MI 48211	EPA ID # MID 980 991 566
☐ **EQ Resource Recovery, Inc.**	36345 Van Born Road, Romulus, MI 48174	EPA ID # MID 060 975 844
☐ **EQ North Carolina**	1005 Investment Blvd, Apex, NC 27502	EPA ID #NCD 982 170292
☐ **EQ Florida, Inc.**	7202 East 8th Ave, Tampa, Fl, 33619	EPA ID # FLD 981 932 494

Generator Name: Anderson Cleaners **U.S. EPA ID No.:** NYD 012 774 063

Generator Address: 5 Hunt Road, Jamestown, NY 14701

State Manifest No.: n/a **Manifest Doc. No.:** n/a

Instructions

Column 1 - Identify all U.S. EPA hazardous waste codes that apply to this waste shipment.
Column 2- Choose the appropriate treatability group: Non-Wastewater (NWW) or Wastewater (WW).
Column 3- Enter the appropriate Subcategory, if applicable, and also enter "Contaminated Soil" or "Debris" if the waste will be treated using one of the alternative treatment technologies provided by 268.49 (c) - soil, or 268.45 - debris.
Column 4- Enter the letter of the appropriate paragraph from pages 1-2 of this form.
Column 5- For F001 - F005, F039, D001 - D043, Debris and Contaminated Soil: please enter the Reference Number(s) for any constituents in your waste stream subject to treatment The Reference Number(s) can be found in the EQ Resource Guide, LDR/UHC Constituent Table.

Manifest Line Item	U.S. EPA Hazardous Waste Code (s)	NWW or WW	Subcategory	How Must the Waste be Managed?	Reference Number(s) of Hazardous Constituents contained in the waste. Complete for F001-F005, F039, D001-DO43, Soil and Debris wastes.
11A	F001	NWW	None	S	182
11B	D039, D043	NWW	None	S	
11C					
11D					

I hereby certify that all information submitted on this and all associated documents is complete and accurate to the best of my knowledge and information.

Generator Signature: Michael K Lyons **Title:** OWNER

Printed Name: MICHAEL K. LYONS **Date:** 7-18-05

How Must the Waste Be Managed?

5. THIS CONTAMINATED SOIL (DOES) / DOES NOT (CIRCLE ONE) CONTAIN LISTED HAZARDOUS WASTE AND (DOES) / DOES NOT (CIRCLE ONE) EXHIBIT A CHARACTERISTIC OF HAZARDOUS WASTE AND (IS SUBJECT TO) / COMPLIES WITH (CIRCLE ONE) THE SOIL TREATMENT STANDARDS AS PROVIDED BY 268.49(c) OR THE UNIVERSAL TREATMENT STANDARDS. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

THE ENVIRONMENTAL QUALITY COMPANY®

Generator Approval Notification

July 26, 2005

Customer: WASTE TECHNOLOGY SERVICES
Fax: (716) 754-8001

MIKE LYONS
ANDERSON CLEANERS
5 HUNT ROAD
JAMESTOWN, NY 14701

This Generator Approval Notification acknowledges the acceptability of waste material(s) into the EQ environmental protection facility identified below and ensures that this facility has the appropriate permit(s) issued by federal and state regulatory agencies to properly transport, treat, and/or dispose of the waste material(s).

EQ FACILITY: **Michigan Disposal Waste Treatment Plant (MID000724831)**
49350 North I-94 Service Drive, Belleville, Michigan 48111

Approval Number: 022864WTS

Generator EPA ID: NYD012774063
Waste Common Name: SOIL W/CHLORINATED SOLVENTS
Comments: REQUIRES SPECIAL SCHEDULING
Primary Waste Code: F001
Secondary Waste Codes:
D039 D040 D043

Expires On: 7/21/2006

The Approval(s) listed above are based upon characterization information supplied to EQ by the Customer and the generator (if other than the Customer). The Customer is ultimately responsible for the accuracy and completeness of all such information, whether provided by the Customer or the generator. The Customer must notify the EQ Resource Team immediately upon knowledge of any changes to this information. This Approval and all wastes which are transported, delivered, or tendered to EQ under this Approval shall be subject to the attached Standard Terms and Conditions.

The Approval(s) will expire on the date(s) noted. Any new Approvals obtained from EQ on future business will be valid for a period of one (1) year from the date of issuance. Within 60 days of the Approval Expiration Date, you will be notified of the requirements for recertification.

DEQ

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Section 324.11151 or 324.12116 MCL.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NYD012774063 | Manifest Document No. 668918 | 2. Page 1 of 1 | Information in the shaded ar is not required by Fed. law.

3. Generator's Name and Mailing Address
Anderson Cleaners
5 Hunt Road
Jamestown, NY 14701
4. Generator's Phone (716) 655 2473

A. State Manifest Document Number: MI 956891 8
B. State Generator's ID
C. State Transporter's ID: WAS0933700
D. Transporter's Phone: (716) 822-1414
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone: (734) 697-7660

5. Transporter 1 Company Name: Price Trucking Corp. | 6. US EPA ID Number: NYD046765574
7. Transporter 2 Company Name | 8. US EPA ID Number
9. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant
49350 North I-94 Service Drive
Belleville MI 48111
10. US EPA ID Number: MID000724831

	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X	RQ Hazardous waste, solid, n.o.s. 9, NA3077, III (D039, D043, F001)	001	CM	EST 14	T	D039
b.					16-54		
c.							
d.							

J. Additional Descriptions for Materials Listed Above
a) (R.E.T) 622864WTE (NY=T) (Also: D043, F001, D040)

K. Handling Codes for Wastes Listed Above
A.
B.
C.
D.

15. Special Handling Instructions and Additional Information
a) ERG#171
WTS# 17487
Emergency Contact 800-825-6001

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

	Printed/Typed Name	Signature	Date Month Day Year
GENERATOR	Michael K. Lyons		01 29 05
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials: Monte Miles	Monte Miles	01 29 05
	18. Transporter 2 Acknowledgement of Receipt of Materials:		
FACILITY	19. Discrepancy Indication Space: CHANGE BA PER WTS 01/31/05		
	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM. IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 9/88)

TSDF COPY

EQP 5110 Rev. 11/03

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest #111956891S

have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.

FACILITY NAME: *(Please check one)*

☒ Michigan Disposal Waste Treatment Plant
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-592-5329

Authorized Signature: _____

DEQ WASTE AND HAZARDOUS MATERIALS DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Section 324.11151 or 324.12116 MCL.

Please print or type

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NYD012774069 | Manifest Document No. 688919 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Anderson Cleaners
5 Hunt Road
Jamestown, NY 14701

4. Generator's Phone (716) 665-2473

A. State Manifest Document Number MI 9568919
B. State Generator's ID
C. State Transporter's ID MI 0005220
D. Transporter's Phone (810) 982-4414
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone (734) 397-7600

5. Transporter 1 Company Name: Price Trucking Corp. | 6. US EPA ID Number: NYD007855577
7. Transporter 2 Company Name | 8. US EPA ID Number

9. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant
49350 North I-94 Service Drive
Belleville MI 48111

10. US EPA ID Number: MID000724833

	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X RQ Hazardous waste, solid, n.o.s. 9, NA3077, III (D039, D043, F001)	001	CM	Est 0.67	T	D039
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a) (S.L.T) 9228[illegible] (D39, D043, F001, D043)

K. Handling Codes for Wastes Listed Above
A.
B.
C.
D.

15. Special Handling Instructions and Additional Information
a) ERG#171
ANDERSON CLEANERS 716-664-5610
WTS# 17487
Emergency Contact: 800-715-6001

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Michael E. Lyons | Signature | Date: Month 07 Day 26 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Monte Miles | Signature | Date: Month 07 Day 26 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
Minor Error Noted on Manifest

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Date: Month Day Year

GENERATOR

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 9/88) EQP 5110

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # MI9568919

have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.

FACILITY NAME:
(Please check one)

☒ Michigan Disposal Waste Treatment Plant
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.
(EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-592-5329

Authorized Signature: _____

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

FORM1020 (3/96)

...ederal and state regulations require generators and transporters of hazardous waste and owners or ...operators of hazardous waste treatment, storage, and disposal facilities to use this form (8700-22) and, if ...necessary, the continuation sheet (Form 8700-22A) for both inter- and intrastate transportation of hazard... ...us waste as defined in 40 CFR and Part 111 of Act 451 of 1994, as amended (Part 111). ...lso require the use of this manifest ...

Item 16. The generator must read, print his/her name, sign and date the certification statement.

Item 17. Print the ...

WASTE AND HAZARDOUS MATERIALS DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Section 324.11151 or 324.12116 MCL.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
NYD012774063	688920		

3. Generator's Name and Mailing Address
Anderson Cleaners
5 Hunt Road
Jamestown, NY 14701

4. Generator's Phone (716) 655-2473

A. State Manifest Document Number: MI 9568920
B. State Generator's ID:

5. Transporter 1 Company Name: Price Trucking Corp.
6. US EPA ID Number: NYD046765572
C. State Transporter's ID: 4179424 AT
D. Transporter's Phone: (716) 822-1414

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant
49350 North I-94 Service Drive
Belleville MI 48111

10. US EPA ID Number: MID000724831
G. State Facility's ID:
H. Facility's Phone: (734) 697-7830

	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X RQ Hazardous waste, solid, n.o.s. 9, NA3077, III (D039, D043, F001)	001	CM	EST. 14	T	D039
b.				12.26		
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a) (S.E.T) 022854NTS (NY=T) (Also: D043, F001, D040)

K. Handling Codes for Wastes Listed Above
A.
B.
C.
D.

15. Special Handling Instructions and Additional Information
a) ERG#171
WTS# 17487
Emergency Contact: 800-825-6001

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Date (Month Day Year)
Michael K. Lyons		07 21 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Robert Harvey		07 21 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space
CHANGE 13A PER [illegible] 8072815

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
[illegible]		07 22 15

EPA Form 8700-22 (Rev. 9/88)

EQP 5110 Rev. 1

GENERATOR

SERVICE AT 1-800-424-9346 OR 703-412-9810 IN THE DC METROPOLITAN AREA. TDD SERVICE AT 800-553-7672 OR 703-486-3323. HOURS OF OPERATION 9:00 AM TO 6:00 PM EASTERN STANDARD TIME. OUTSIDE OF THE U.S. CALL COLLECT AT 703-487-4650 OR TELEX AT 650-9153439 ANSWERBACK EPA WSH. HOURS OF OPERATION 8:30 AM TO 4:30 PM EASTERN STANDARD TIME. FOR MORE INFORMATION ON RCRA HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON CERCLA HOTLINE CALLS, CALL 202-382-2675. FOR MORE INFORMATION ON SARA HOTLINE CALLS, CALL 202-382-3886. FOR MORE INFORMATION ON TSCA HOTLINE CALLS, CALL 202-382-3550. FOR MORE INFORMATION ON CLEAN AIR ACT HOTLINE CALLS, CALL 202-382-3666. FOR MORE INFORMATION ON CLEAN WATER ACT HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON SAFE DRINKING WATER ACT HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON OIL POLLUTION ACT HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON PESTICIDES HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON LEAD HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON ASBESTOS HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON RADON HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON MERCURY HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON PCB HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON DIOXIN HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON FURAN HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON HEXACHLOROBENZENE HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON HEXACHLOROBUTADIENE HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON HEXACHLOROCYCLOPENTADIENE HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON HEXACHLOROETHANE HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON HEXACHLOROPHENE HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON HEXACHLOROPROPENE HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON HEXACHLOROTOLUENE HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON HEXACHLOROXYLENE HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON HEXACHLOROZINC HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON HEXACHLOROZIRCONIUM HOTLINE CALLS, CALL 202-382-3000. FOR MORE INFORMATION ON HEXACHLOROZIRCONIUM HOTLINE CALLS, CALL 202-382-3000.

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 11956892O

have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.

FACILITY NAME: *(Please check one)*

☑ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-592-5329

Authorized Signature: _____

DEQ

WASTE AND HAZARDOUS MATERIALS DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Section 324.11151 or 324.12116 MCL.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
NYD012774063	6892		

3. Generator's Name and Mailing Address
Anderson Cleaners
5 Hunt Road
Jamestown, NY 14701

4. Generator's Phone (716) 655-2473

A. State Manifest Document Number: MI 9568921
B. State Generator's ID:

5. Transporter 1 Company Name: Price Trucking Corp.
6. US EPA ID Number: NYD046765574
C. State Transporter's ID: WE0833200
D. Transporter's Phone: (716) 822-1414

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Michigan Disposal Waste Treatment Plant
49350 North I-94 Service Drive
Belleville MI 48111
10. US EPA ID Number: MID000724831
G. State Facility's ID:
H. Facility's Phone: (734) 697-7830

	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X RQ Hazardous waste, solid, n.o.s. 9, NA3077, III (D039, D043, F001)	001	CM	EST. 17	T	D039
b.				10.52		
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a) (S.E.T) D039,D043,F001 (Also: D043, F001, D039)

K. Handling Codes for Wastes Listed Above
a.
b.

15. Special Handling Instructions and Additional Information
a) ERG#171
WTS# 17487
Emergency Contact 800-825-6001

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Date (Month Day Year)
MICHAEL K. LYONS	Michael K Lyons	01 21 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Monte Miles	Monte Miles	01 21 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space
CANCEL PER ATTACHMENTS ORDERED

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
		1/21/05

GENERATOR
TRANSPORTER
FACILITY

IN THE EVENT OF A SPILL INVOLVING SHIPMENT OF HAZARDOUS WASTES OR SUBSTANCES, IMMEDIATELY CONTACT THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

EPA Form 8700-22 (Rev. 9/88)

EQP 5110

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # MI 9568921 have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.

FACILITY NAME: *(Please check one)*

☒ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-592-5329

Authorized Signature: _____

Anderson Cleaners Site
Jamestown, New York
BCP Site C907027

DNAPL Removal Logs
Location: PW-3

Date	Time	Weather	Quantity of Water Removed (gallons)	DNAPL Removed (ounces)	Comments
5/21/08	1045	48 Rain	5	32	Purge water turbid; well recharges quickly
"	1234	48 Overcast	5	35	Purge water turbid; steady recharge
5/22/08	1100	44 Overcast/Rain	5	24	Purge water turbid
5/23/08	1045	53 Sun/Clouds	5	22	
5/24/08	1030	55 Sun	5	20	Purge water turbid
5/25/08	1143	62 Sunny	5	24	No recent rain
5/27/08	1130	65 Humid	5	22	
"	1410	54	4	13	Weather changing
5/28/08	1610	53 Stable	5	20	
5/29/08	1643	65 Sunny	5	16	
5/30/08	1612	55 some Clouds	5	16	No recent rain
6/2/08	1655	60 some Clouds	5	14	
6/3/08	1615	60 Cloudy	5	16	Light rain
6/4/08	0930	65 Muggy	5	18	
"	1030		4	19	
"	1530		4	16	
6/5/08	1330	80 light Rain	5	19	
"	1355		2.5	20	
"	1530		2.5	12	
6/6/08	1130	83 Sunny/Calm	5	18	
"	1252		5	24	10 minutes to purge 5 gallons
"	1307		5	42.7	14 minutes to purge 5 gallons
"	1334		5	44	9 minutes to purge 5 gallons
"	1402		5	52	8 minutes to purge 5 gallons
"	1420		5	62	12 minutes to purge 5 gallons
"					6/6/08 30 gallons of water purged and 242.7 oz. of DNAPL removed
6/7/08	0830	80 Humid	5	20	15 minutes to purge 5 gallons
"	0853		5	35	8 minutes to purge 5 gallons
"	0906		5	36	14 minutes to purge 5 gallons
"	0924		5	48	11 minutes to purge 5 gallons
"	0940		5	44	10 minutes to purge 5 gallons
"	0957		5	48	13 minutes to purge 5 gallons
6/8/08	1025	80s Humid	5	18	9 minutes to purge 5 gallons
"	1036		5	35	14 minutes to purge 5 gallons

Anderson Cleaners Site
Jamestown, New York
BCP Site C907027

DNAPL Removal Logs
Location: PW-3

Date	Time	Weather	Quantity of Water Removed (gallons)	DNAPL Removed (ounces)	Comments
6/8/08	1055		5	37	8 minutes to purge 5 gallons
"	1108		2	16	5 minutes to purge 2 gallons
"	1115		2	14	5 minutes to purge 2 gallons
"	1125	Some Rain	4	34	9 minutes to purge 4 gallons
"	1548		5	34	10 minutes to purge 5 gallons
"	1603		5	37	12 minutes to purge 5 gallons
"	1618		5	43	12 minutes to purge 5 gallons
"					38 gallons/268 ounces DNAPL
6/10/08					Pump not working
6/13/08	1310	80s Sunny	30	236	
"	1330		5	39	
"			5	57	
"			5	45	
"			5	59	
"	1500		5	60	55 gallons/496 oz or 3.875 gallons DNAPL
6/17/08	1520	50s Overcast	5	8	
"			5	32	
"			5	44	
"			5	42	
6/18/08	1320	50s Overcast	5	12	
"			4	21	After 9 gallons well went "dry" than recovered
"			4	21	
"			4	29	
"			4	26	21 gallons/109 ounces DNAPL
6/20/08	1415	70 Sun	3.75	5	Started pulling air
"	1425		4	14	
"			4	24	
"			4	24	15.75 gallons/67 ounces DNAPL
5/21/08 - 6/21/08					296.75 gallons of water and 1917.7 ounces (14.98 gallons) of DNAPL removed in the period
6/25/08	1400	Clear	20	81	Pulled air at 3 gallons then fine
6/27/08	1400		4	6	
"			4	12	
"			4	21	

Anderson Cleaners Site
Jamestown, New York
BCP Site C907027

DNAPL Removal Logs
Location: PW-3

Date	Time	Weather	Quantity of Water Removed (gallons)	DNAPL Removed (ounces)	Comments
6/27/08			3.75	22	15.75 gallons/61 ounces DNAPL
6/30/08	1000	Heavy rain over weekend	4	8	
"			4	18	
"			4	18	
"			4	22	20 gallons/82 ounces DNAPL
7/1/08	1030		5.5	12	
"			5	18	
"			4	13	
"			4	14	18.5 gallons/57 ounces DNAPL
7/7/08	1000	Hot/Dry	4	8	
"			4	10	
"			4	22	
"			4.5	21	
"			4	20	
"			4	20	24.5 gallons/101 ounces DNAPL
7/8/08	1510	Hot and Humid	4	5	
"			4	13	
"			4	18	
"			4	24	16 gallons/60 ounces DNAPL
7/10/08	0930	70 less Humid	4	5	
"			4	9	
"			4	18	
"			4	18	
"			4	20	
"			4	21	
"			4	20	28 gallons/111 ounces DNAPL
7/13/08	1125	Heavy Rain	4	5	
"			4	10	
"			4	15	
"			4	20	
"			4	20	
"			4	21	24 gallons/91 ounces DNAPL
7/15/08	1050	70 Clearing	4	5	
"			5	18	
"			4	16	
"			4	14	

Anderson Cleaners Site
Jamestown, New York
BCP Site C907027

DNAPL Removal Logs
Location: PW-3

Date	Time	Weather	Quantity of Water Removed (gallons)	DNAPL Removed (ounces)	Comments
7/15/08			4	15	21 gallons/68 ounces DNAPL
7/16/08	1415		4	6	
"			4	12	
"			4	12	
"			4	16	16 gallons/46 ounces DNAPL
7/18/08	0930	80s Humid	4	3	
"			4	6	
"			4	13	
"			4	16	
"			4	21	
"			4.3	24	
"			3	14	27.3 gallons/97 ounces DNAPL
7/19/08	1000	Hot and Humid	4	2	
"			4	5	
"			4	13	
"			4	17	
"			4	16	20 gallons/53 ounces DNAPL
6/21/08 - 7/21/08					247.05 gallons of water and 892 ounces (6.97 gallons) DNAPL removed in the period
7/22/08	1530	Thunderstorms	4	4	
"			4	8	
"			4	12	
"			5	16	
"			4	18	21 gallons/58 ounces DNAPL
7/24/08	1600	70s some Rain	5	4	
"			5	12	
"			5	14	
"			5	16	
"			5	18	25 gallons/64 ounces DNAPL
7/31/08	1430	Rain on 7/30	4	2	Very turbid, slow purging
"			3.75	3	7.75 gallons/5 ounces DNAPL
8/5/08	0900	Humid/Rainy	4	1	Muddy water slow purging
"			4	7	Less turbid, faster purging
"			4	15	
"			4.5	19	20.5 gallons/52 ounces DNAPL
8/8/08	1230	Overcast/Chilly	5	4	

Anderson Cleaners Site
Jamestown, New York
BCP Site C907027

DNAPL Removal Logs
Location: PW-3

Date	Time	Weather	Quantity of Water Removed (gallons)	DNAPL Removed (ounces)	Comments
8/8/08			5	13	
"			5	19	
"			5	22	
"			5	24	25 gallons/82 ounces DNAPL
8/11/08	1530	Overcast/Rainy	5	2	
"			5	8	
"			5	12	
"			5	15	
"			5	17	25 gallons/54 ounces DNAPL
8/13/08	1600	Clear	5	3	
"			5	8	
"			5	10	
"			5	18	
"			5	18	25 gallons/57 ounces DNAPL
8/16/08	1200	Clear/Cool	4.25	3	
"			4	5	
"			4	8	
"			4	11	
"			4	14	
"			4	12	24.5 gallons/53 ounces DNAPL
8/18/08	1010	Calm/Clear	4	2	
"	1350		4	1	
"			4	2	
"			4	9	
"			4	12	
"			4	10	24 gallons/38 ounces DNAPL
8/20/08	1200	75 Sunny	5	2	Turbid, Hydrogen Sulfide odor
"	1210		5	2	8 minutes to purge 5 gallons
"	1221		5	17	7 minutes to purge 5 gallons
"	1230		5	24	8 minutes to purge 5 gallons
"	1240		5	25	8 minutes to purge 5 gallons
"	1251		5	23	8 minutes to purge 5 gallons
"	1302		5	27	8 minutes to purge 5 gallons
"	1313		5	26	8 minutes to purge 5 gallons
"	1323		5.5	32	9 minutes to purge 5 gallons
"					45.5 gallons/178 ounces or 1.4 gallons DNAPL

Anderson Cleaners Site
Jamestown, New York
BCP Site C907027

DNAPL Removal Logs
Location: PW-3

Date	Time	Weather	Quantity of Water Removed (gallons)	DNAPL Removed (ounces)	Comments
7/21/08 - 8/21/08					239 gallons of water and 641 ounces (5.01 gallons) DNAPL removed in the period
8/22/08	0855	Warm/No Rain	24	50	
8/23/08	1020	Clear	25	54	
8/25/08	1335		25	42	
8/26/08	1020	No Recent Rain	30	65	
8/28/08	1100	Overcast, Rain	5	2	
"			5	4	
"			5	11	
"			5	16	
"			5	16	
"					25 gallons/49 ounces DNAPL
8/30/08	1000	Warm, Wet	20	34	
9/2/08	0930	No Rain	30	53	
9/4/08	930		25	22	
9/6/08	1110	Rain/Cooler	35	58	
9/8/08	1600	Cloudy, 70s	25	20	
9/10/08	1530	Clear	30	34	
9/13/08	0945	Rain, Humid	5	2	
"			5	2	
"			5	4	
"			5	9	
"			5	12	
"			5	16	
"					30 gallons/45 ounces DNAPL
9/15/08	1030	Rain	40	56	
9/18/08	1140	Cooler, no Rain	30	22	
9/21/08	1015	Sunny	5	1	
"			5	1	
"			5	4	
"			5	6	
"			5	9	
"			5	14	
"			5	8	
"			5	13	
"			5	8	

Anderson Cleaners Site
Jamestown, New York
BCP Site C907027

DNAPL Removal Logs
Location: PW-3

Date	Time	Weather	Quantity of Water Removed (gallons)	DNAPL Removed (ounces)	Comments
9/21/08					45 gallons/64 ounces DNAPL
8/21/08 - 9/21/08					439 gallons of water and 649 ounces (5.1 gallons) DNAPL removed in the period
9/24/08	1015	sunny	45	64	
9/27/08			30	20	

Anderson Cleaners Site
Jamestown, New York
BCP Site C907027

DNAPL Removal Logs
MW-204, MW-207 and WP-2

	Location and DNAPL Removed (Ounces)			Total Removed (Ounces)
	MW-204	MW-207	WP-2	
11/08/2006	64			64
12/08/2006	192			192
12/20/2006	76.8			76.8
02/20/2007	trace	32		32
02/26/2007		64		64
03/13/2007		32		32
03/20/2007		12		12
03/26/2007		9		9
03/28/2007		8		8
03/30/2007	trace	trace		1
04/04/2007		16		16
04/10/2007		12		12
04/13/2007		8		8
04/17/2007		6		6
04/20/2007		16		16
04/23/2007		8		8
04/24/2007		2.4		2.4
04/26/2007		6		6
05/01/2007	2	16		18
05/03/2007		8		8
05/04/2007	2	2		4
05/07/2007	2	10		12
05/09/2007		6		6
05/10/2007		2		2
05/14/2007	1	10		11
05/15/2007		2		2
05/17/2007		4		4
05/23/2007	1	16		17
05/31/2007		18.4		18.4
06/01/2007	2	3.4		5.4
06/07/2007	3.5	18		21.5
06/11/2007		16		16
06/13/2007	0.5	8		8.5
06/15/2007		6		6
06/18/2007		10		10
06/20/2007	2.4	6		8.4

Date	Location and DNAPL Removed (Ounces)			Total Removed (Ounces)
	MW-204	MW-207	WP-2	
06/22/2007		5.4		5.4
06/25/2007		8		8
06/28/2007	0.5	8		8.5
07/03/2007		24		24
07/06/2007		10		10
07/09/2007	4	10		14
07/11/2007		5.4		5.4
07/12/2007	0.5			0.5
07/13/2007		4		4
07/16/2007	trace	10		10
07/18/2007	trace	5.4		5.4
07/20/2007	trace	4		4
07/23/2007	0.3	10		10.3
07/27/2007	2	8	PID 9999	10
07/30/2007		8		8
08/01/2007		5.4		5.4
08/02/2007	trace		2	2
08/06/2007		7		7
08/08/2007		10.4		10.4
08/16/2007		6	trace	6
08/18/2007		4	trace	4
08/22/2007		2.4		2.4
08/24/2007		2.2		2.2
08/27/2007		2.2		2.2
08/29/2007	2.4	2.2		6.6
08/31/2007	4	2.4	trace	6.4
09/05/2007		2.4		2.4
09/07/2007	2.4	2.4		4.8
09/11/2007	2.2	4		6.2
09/13/2007		3		3
09/17/2007	5.4	4		9.4
09/20/2007	2.2	2.4		4.6
09/25/2007	2.4	4		6.4
09/27/2007	1	2		3
10/09/2007	8	5.4	sheen	13.4
10/12/2007	12	2	sheen	14
10/15/2007	8	4		12
10/17/2007	3	2.4	2	7.4
10/19/2007	4	3		7
10/22/2007	2.4	4	sheen	6.4
10/24/2007	3	2	trace	5
10/29/2007	10	2.2	trace	12.2

Date	Location and DNAPL Removed (Ounces)			Total Removed (Ounces)
	MW-204	MW-207	WP-2	
10/31/2007	6	2		8
11/02/2007	6	3	trace	9
11/05/2007	2.4	1.8		4.2
11/07/2007	1	2	sheen	3
11/09/2007	8	2	2	12
11/12/2007	12	3		15
11/14/2007	6	0.5		6.5
11/19/2007	12	2	sheen	14
11/27/2007	8	6		14
11/29/2007	8	2.5		8.5
12/3/2007	none	3		3
12/6/2007	16	3		19
12/11/2007	14	4		18
12/17/2007	8	4		12
12/22/2007	3	4		7
12/26/2007	4	2		6
01/2/2008	2.5	4		6.5
01/7/2008	none	none		none
01/9/2008	none	slight sheen		none
01/14/2008	14	2.5		16.5
01/18/2008	1	2		3
01/24/2008	1	none		1
02/2/2008	none	trace		trace
02/8/2008	trace	2	24	26
02/14/2008	trace	1		1
02/22/2008	1	7	3	11
03/7/2008	2	3	2	7
03/17/2008	none	8		8
03/26/2008	2	2	sheen	4
04/2/2008		2		2
04/7/2008	1	4		5
04/17/2008	none	2	sheen	2
05/5/2008	trace	12		12
05/16/2008	none	12	none	12
05/21/2008	1	4	sheen	5
05/22/2008	none	0.5		0.5
05/23/2008	none	1		1
05/24/2008	none	1		1
05/25/2008	none	1		1
05/27/2008	none	2		2
06/2/2008	none	6		6
06/4/2008	none	2		2

Date	Location and DNAPL Removed (Ounces)			Total Removed (Ounces)
	MW-204	MW-207	WP-2	
06/6/2008		5		5
06/13/2008	none	12		12
06/19/2008	none	8		8
07/1/2008		12		12
07/16/2008		6		6
08/19/2008	sheen	20	11	31
8/29/2008		8	4.5	12.5
9/11/2008	none	0.5		0.5

Appendix 3C Fish and Wildlife Resources Impact Analysis Decision Key	If YES Go to:	If NO Go to:
1. Is the site or area of concern a discharge or spill event?	13	2
2. Is the site or area of concern a point source of contamination to the groundwater which will be prevented from discharging to surface water? Soil contamination is not widespread, or if widespread, is confined under buildings and paved areas.	13	3
3. Is the site and all adjacent property a developed area with buildings, paved surfaces and little or no vegetation?	4	9
4. Does the site contain habitat of an endangered, threatened or special concern species?	Section 3.10.1	5
5. Has the contamination gone off-site?	6	14
6. Is there any discharge or erosion of contamination to surface water or the potential for discharge or erosion of contamination?	7	14
7. Are the site contaminants PCBs, pesticides or other persistent, bioaccumulable substances?	Section 3.10.1	8
8. Does contamination exist at concentrations that could exceed ecological impact SCGs or be toxic to aquatic life if discharged to surface water?	Section 3.10.1	14
9. Does the site or any adjacent or downgradient property contain any of the following resources? i. Any endangered, threatened or special concern species or rare plants or their habitat ii. Any DEC designated significant habitats or rare NYS Ecological Communities iii. Tidal or freshwater wetlands iv. Stream, creek or river v. Pond, lake, lagoon vi. Drainage ditch or channel vii. Other surface water feature viii. Other marine or freshwater habitat ix. Forest x. Grassland or grassy field xi. Parkland or woodland xii. Shrubby area xiii. Urban wildlife habitat xiv. Other terrestrial habitat	11	10
10. Is the lack of resources due to the contamination?	3.10.1	14
11. Is the contamination a localized source which has not migrated and will not migrate from the source to impact any on-site or off-site resources?	14	12
12. Does the site have widespread surface soil contamination that is not confined under and around buildings or paved areas?	Section 3.10.1	12
13. Does the contamination at the site or area of concern have the potential to migrate to, erode into or otherwise impact any on-site or off-site habitat of endangered, threatened or special concern species or other fish and wildlife resource? (See #9 for list of potential resources. Contact DEC for information regarding endangered species.)	Section 3.10.1	14
14. No Fish and Wildlife Resources Impact Analysis needed.		